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Summary of Changes

This section describes the technical changes made in this edition.
This edition might also include minor corrections and editorial changes which are not identified.

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Additions in this update

►**New product(s)**
ThinkPad 13 (2nd Gen) models announced January 2017

►**New model(s)**
ThinkPad L560 new models announced January 2017
ThinkPad E470 new models announced January 2017
ThinkPad E475 new models announced January 2017
ThinkPad E570 new models announced January 2017
ThinkPad E575 new models announced January 2017

►**Others**
None

Withdrawals in this update

►**Withdrawn product(s)**
None









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ThinkPad 11e (3rd Gen) Platform Specifications

Processor

Intel® Celeron® processor, Intel Pentium® Processor, or
6th Generation Intel Core™ i3 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics
Cel N3150	4	4	1.6 GHz	2.08 GHz	2MB	DDR3L-1600	Intel HD graphics
Cel N3160			1.6 GHz	2.24 GHz	2MB		Intel HD graphics 400
Pen 4405U	2	4	2.1 GHz	-	2MB		Intel HD graphics 510
i3-6100U			2.3 GHz	-	3MB		Intel HD graphics 520

Graphics

Intel HD Graphics, Intel HD Graphics 510, or Intel HD Graphics 520 in processor,
supports external digital monitor via HDMI™;
supports dual independent display;
Max resolution: 1920X1080 (HDMI)@30Hz

Chipset

Intel SoC (System on Chip) platform

Memory

2GB, 4GB, or 8GB / PC3-12800 1600MHz DDR3L, one DDR3L SO-DIMM socket

Display

11.6" (295mm) HD (1366x768), anti-glare, LED backlight,
220 nits, 16:9 aspect ratio, 500:1 contrast ratio

Multi-touch

None

Hinge

Normal hinge, 180 degree

Storage

M.2 Solid State Drive (SSD), SATA 6.0Gb/s

Optical

None

Ethernet

Realtek RTL8111GUS-CG Gigabit Network Connection

WLAN[4]

One of the following, configurable by model:

- 11ac+BT, Intel Dual Band Wireless-AC 3165, 1x1, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN

None

Dimensions[3]

WxDxH: 11.81" x 8.27" x 0.88"; 300mm x 210mm x 22.3mm

Weight[2]

from 3.3 lb (1.5kg)

Case color

Display cover: Graphite Black or Silver; *Bottom:* Graphite Black

Case material

Display cover: PC+40%GF+TPU; *Bottom:* PCC

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0, HDMI, Ethernet (RJ-45)

Control buttons

Power button, volume control button

Camera

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Realtek® ALC3245 codec / stereo speakers, 2W x 2 /
monaural digital microphone, combo audio/microphone jack

Keyboard

ThinkPad Windows keyboard, 6-row, multimedia Fn keys

Touchpad

Buttonless touchpad below keyboard, multi-touch

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Win7 model: discrete TPM 1.2, TCG Certified
Win10 model: discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 in chipset

vPro

None

Fingerprint reader

None

Battery

Integrated Lithium Polymer 3-cell *(42Wh)*

Max battery life[10]

MobileMark® 2014: 11.53 hr

AC adapter

45-watt AC adapter

Preload

Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Some: Windows 10 Home 64
Some: Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12]

One of the following, configurable by model:

- 1-year depot repair service
- 3-year/1-yr battery depot repair service (US only)

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Keyboard	Fingerprint Reader	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20GB000JUS	US	Celeron N3150	Intel HD	4GBx1	11.6" HD (1366x768)	None	192GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	02/16
20GB000KUS	US	Celeron N3150	Intel HD	8GBx1	11.6" HD (1366x768)	None	192GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	02/16
20GB000LUS	US	Celeron N3150	Intel HD	8GBx1	11.6" HD (1366x768)	None	128GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	02/16
20GB000MUS	US	Celeron N3150	Intel HD	8GBx1	11.6" HD (1366x768)	None	256GB SSD M.2 Opal2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	02/16
20GB000NUS	US	Celeron N3150	Intel HD	4GBx1	11.6" HD (1366x768)	None	128GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	02/16
20GB000PUS	US	i3-6100U	Intel HD 520	4GBx1	11.6" HD (1366x768)	None	128GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	02/16
20GB000QUS	US	i3-6100U	Intel HD 520	8GBx1	11.6" HD (1366x768)	None	128GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	02/16
20GB000RUS	US	i3-6100U	Intel HD 520	8GBx1	11.6" HD (1366x768)	None	192GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	02/16
20GB000SUS	US	i3-6100U	Intel HD 520	8GBx1	11.6" HD (1366x768)	None	256GB SSD M.2 Opal2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	02/16
20GB000UUS	US	i3-6100U	Intel HD 520	4GBx1	11.6" HD (1366x768)	None	192GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	02/16
20GB001HUS	US	Celeron N3160	Intel HD 400	4GBx1	11.6" HD (1366x768)	None	128GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16
20GB001JUS	US	Celeron N3160	Intel HD 400	4GBx1	11.6" HD (1366x768)	None	256GB SSD M.2 Opal2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16
20GB001KUS	US	Celeron N3160	Intel HD 400	8GBx1	11.6" HD (1366x768)	None	128GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16
20GB001LUS	US	Celeron N3160	Intel HD 400	8GBx1	11.6" HD (1366x768)	None	256GB SSD M.2 Opal2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16

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ThinkPad 11e (3rd Gen) Chromebook Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel® Celeron® processor

Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics
Cel N3150	4	4	1.6 GHz	2.08 GHz	2MB	DDR3L-1600	Intel HD graphics
Cel N3160			1.6 GHz	2.24 GHz	2MB		Intel HD graphics 400

Graphics
Intel HD Graphics or Intel HD Graphics 400 in processor,
supports external digital monitor via HDMI™;
supports dual independent display;
Max resolution: 1920X1080 (HDMI)@30Hz

Chipset
Intel SoC (System on Chip) platform

Memory
2GB or 4GB / 1600MHz LPDDR3 / soldered to systemboard, no sockets

Display
11.6" (295mm) HD (1366x768), anti-glare, LED backlight,
220 nits, 16:9 aspect ratio, 500:1 contrast ratio

Multi-touch
None

Hinge
Normal hinge, 180 degree

Storage
16GB eMMC (embedded Multi Media Card) flash memory on board

Optical
None

Ethernet
None

WLAN[4]
11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card

Bluetooth™
Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN
None

Dimensions[3]
WxDxH: 11.81" x 8.27" x 0.88"; 300mm x 210mm x 22.3mm

Weight[2]
from 3.3 lb (1.5kg)

Case color
Display cover: Graphite Black or Silver; *Bottom:* Graphite Black

Case material
Display cover: PC+40%GF+TPU; *Bottom:* PCC

Media reader
4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports
Two USB 3.0 (one Always On), HDMI

Control buttons
None

Camera
HD720p resolution, low light sensitive, fixed focus

Audio support
Realtek® ALC5650 codec / stereo speakers, 2W x 2 /
monaural digital microphone, combo audio/microphone jack

Keyboard
ThinkPad Chrome keyboard, 6-row, multimedia Fn keys

Touchpad
Buttonless touchpad below keyboard, multi-touch

Security
Security keyhole

Security chip
Discrete TPM 1.2, TCG Certified

vPro
None

Fingerprint reader
None

Battery
Integrated Lithium Polymer 3-cell *(42Wh)*

Max battery life[10]
Up to 12 hr

AC adapter
45-watt AC adapter

Preload
Google Chrome OS

Limited warranty[12]
1-year depot repair service

Mil-Spec test
MIL-STD-810G military certification

Environment
EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

ThinkPad 11e (3rd Gen) Chromebook - TopSeller - 20GF

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory (Soldered)	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Keyboard	Fingerprint Reader	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20GF0001US	US	Celeron N3150	Intel HD	4GB Soldered	11.6" HD (1366x768)	None	16GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	03/16
20GF0003US	US	Celeron N3160	Intel HD 400	4GB Soldered	11.6" HD (1366x768)	None	16GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	10/16

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ThinkPad 13 Platform Specifications

Processor

Intel® Celeron® processor or 6th Generation Intel Core™ i3 / i5 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel 3855U	2	2	1.6 GHz	-	2MB	DDR4-2133	Intel HD graphics 510
i3-6100U		4	2.3 GHz	-	3MB		Intel HD graphics 520
i5-6200U			2.3 GHz	2.8 GHz	3MB		
i5-6300U			2.4 GHz	3.0 GHz	3MB		
i7-6500U			2.5 GHz	3.1 GHz	4MB		

Graphics
Intel HD Graphics 510 or 520 in processor,
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 1920x1080 (HDMI)@60Hz, 3840X2160 (USB Type-C)@60Hz

Chipset
Intel SoC (System on Chip) platform

Memory
16GB max / 2133MHz DDR4, two DDR4 SO-DIMM sockets

Display
Some: 13.3" (338mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Some: 13.3" (338mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 220 nits, 16:9 aspect ratio, 600:1 contrast ratio, 170° viewing angle

Multi-touch
None

Storage
M.2 SSD / SATA 6.0Gb/s

Optical
None

Ethernet
Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4]
One of the following, configurable by model:
- 11ac+BT4.0, Intel Dual Band Wireless-AC 3165, 1x1, M.2 card
- 11ac+BT4.1, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card

Bluetooth™
Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN
None

Dimensions[3]
WxDxH (silver): 12.69" x 8.77" x 0.75"; 322.4mm x 222.8mm x 19.1mm
WxDxH (black): 12.69" x 8.77" x 0.78"; 322.4mm x 222.8mm x 19.8mm

Weight[2]
from 3.17 lb / 1.44 kg

Case color
Pure Black or Silver

Case material
Black cover: PC/ABS plastic;
Silver cover: Aluminum

Smart card reader
None

Media reader
4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports
Three USB 3.0 (one Always On), one USB Type-C,
HDMI, Lenovo OneLink+ connector

Camera
HD720p resolution, low light sensitive, fixed focus

Audio support
HD Audio, Realtek® ALC3245 codec / stereo speakers, 2W x 2 /
dual array microphone, combo audio/microphone jack

Keyboard
ThinkPad Windows keyboard, 6-row, multimedia Fn keys

UltraNav™
TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Security
Power-on password, hard disk password, supervisor password, security keyhole

Security chip
Win7 model: discrete TPM 1.2, TCG Certified
Win10 model: discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 in chipset

vPro *(optional)*
Intel vPro Technology

Fingerprint reader
Optional: Swipe style fingerprint reader on the keyboard bezel

Battery
Integrated Lithium Polymer 3-cell *(42Wh)*

Max battery life[10]
MobileMark® 2014: 11.6 hr

AC adapter
45-watt AC adapter

Preload
Some: Genuine Windows® 7 Professional 64
Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Some: Windows 10 Home 64
Some: Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12]
One of the following, configurable by model:
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]

Mil-Spec test
MIL-STD-810G military certification

Environment
EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Keyboard	Fingerprint Reader	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20GJ0006US	US	Celeron 3855U	No	Intel HD 510	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	03/16
20GJ0007US	US	Celeron 3855U	No	Intel HD 510	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	03/16
20GJ0008US	US	i5-6200U	No	Intel HD 520	8GBx2	13.3" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ0009US	US	Celeron 3855U	No	Intel HD 510	4GBx2	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000AUS	US	i3-6100U	No	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ000DUS	US	i3-6100U	No	Intel HD 520	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000EUS	US	i3-6100U	No	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000FUS	US	i3-6100U	No	Intel HD 520	4GBx2	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ000GUS	US	i3-6100U	No	Intel HD 520	4GBx2	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ000HUS	US	i3-6100U	No	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000JUS	US	i5-6200U	No	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000KUS	US	i3-6100U	No	Intel HD 520	4GBx2	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000LUS	US	Celeron 3855U	No	Intel HD 510	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 7 Pro 64	3-year, Depot	03/16
20GJ000MUS	US	Celeron 3855U	No	Intel HD 510	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ000NUS	US	i5-6200U	No	Intel HD 520	4GBx2	13.3" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000PUS	US	i5-6200U	No	Intel HD 520	4GBx2	13.3" HD (1366x768)	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000QUS	US	Celeron 3855U	No	Intel HD 510	4GBx2	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000RUS	US	i5-6200U	No	Intel HD 520	4GBx2	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ000SUS	US	i5-6200U	No	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000TUS	US	i5-6200U	No	Intel HD 520	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Keyboard	Fingerprint Reader	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20GJ000UUS	US	i3-6100U	No	Intel HD 520	4GBx2	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ000VUS	US	i5-6200U	No	Intel HD 520	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000WUS	US	i3-6100U	No	Intel HD 520	4GBx2	13.3" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000XUS	US	Celeron 3855U	No	Intel HD 510	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ000YUS	US	i5-6200U	No	Intel HD 520	4GBx2	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ0010US	US	Celeron 3855U	No	Intel HD 510	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ0011US	US	i5-6200U	No	Intel HD 520	4GBx2	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ0012US	US	i3-6100U	No	Intel HD 520	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ0013US	US	i5-6200U	No	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ0014US	US	i5-6200U	No	Intel HD 520	4GBx2	13.3" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ0015US	US	i3-6100U	No	Intel HD 520	4GBx1	13.3" HD (1366x768)	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ0016US	US	i3-6100U	No	Intel HD 520	4GBx2	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ0019US	US	i5-6300U	vPro	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ0031US	US	i5-6200U	No	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ0039US	US	i5-6300U	vPro	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ003AUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ003BUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ003CUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	13.3" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ003WUS	US	i3-6100U	No	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ003XUS	US	i5-6200U	No	Intel HD 520	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Keyboard	Fingerprint Reader	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20GJ003YUS	US	i3-6100U	No	Intel HD 520	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	03/16
20GJ0048US	US	i5-6200U	No	Intel HD 520	8GBx1	13.3" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	06/16
20GJ0055US	US	i5-6200U	No	Intel HD 520	8GBx1	13.3" HD (1366x768)	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	06/16
20GJ005EUS	US	i3-6100U	No	Intel HD 520	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	06/16
20GJ005FUS	US	i5-6200U	No	Intel HD 520	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	06/16
20GJ005JUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	13.3" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	04/16
20GJ005KUS	US	i5-6200U	No	Intel HD 520	8GBx1	13.3" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	04/16
20GJ005LUS	US	i5-6300U	vPro	Intel HD 520	8GBx2	13.3" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Windows 10 DG Windows 7 Pro 64	3-year, Depot	04/16
20GJ006MUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	13.3" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	10/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Keyboard	Fingerprint Reader	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20GJ000BUS	US	Celeron 3855U	No	Intel HD 510	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16
20GJ000CUS	US	Celeron 3855U	No	Intel HD 510	4GBx1	13.3" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	03/16

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ThinkPad 13 (2nd Gen) Platform Specifications

Processor

Intel® Celeron® processor or 7th Generation Intel Core i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel 3865U	2	2	1.8 GHz	-	2MB	DDR4-2133	Intel HD Graphics
i3-7100U		4	2.4 GHz	-	3MB		Intel HD Graphics 620
i5-7200U			2.5 GHz	3.1 GHz	3MB		
i5-7300U			2.6 GHz	3.5 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		

Graphics

Intel HD Graphics or Intel HD Graphics 620 in processor,
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 1920x1080 (HDMI)@60Hz, 3840X2160 (USB Type-C)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

32GB max / 2133MHz DDR4, two DDR4 SO-DIMM sockets

Display

Some: 13.3" (338mm) HD (1366x768), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio
Some: 13.3" (338mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle

Multi-touch *(opt)*

On-cell touch, supports 10-finger gesture

Storage

Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)

Optical

None

Ethernet

None

WLAN

11ac+BT, Intel Dual Band Wireless-AC 8265, 2x2, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
* *Intel 8265ac card supports Bluetooth 4.2 but is limited to BT 4.1 by Windows OS*

WWAN

None

Dimensions

WxDxH (silver): 12.69" x 8.77" x 0.75"; 322.4mm x 222.8mm x 19.1mm
WxDxH (black): 12.69" x 8.77" x 0.78"; 322.4mm x 222.8mm x 19.8mm

Weight

from 3.17 lb / 1.44 kg

Case color

Pure Black or Silver

Case material

Black cover: PC/ABS plastic;
Silver cover: Aluminum

Smart card reader

None

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), one USB Type-C, HDMI, Lenovo OneLink+ connector

Camera

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack

Keyboard

6-row, multimedia Fn keys, optional LED backlight

UltraNav™

TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Discrete TPM 2.0, TCG Certified

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: swipe style fingerprint reader on the palm rest

Battery

Integrated Lithium Polymer 3-cell *(42Wh)*

Max battery life

MobileMark® 2014: 14.56 hr

AC adapter

45W AC adapter

Preload

Some: Windows® 10 Home 64
Some: Windows 10 Pro 64
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate

Limited warranty

One of the following, configurable by model:
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant

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January 2017

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Color	Camera	Keyboard	Fingerprint Reader	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20J10006US	US	i3-7100U	No	Intel HD 620	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	12/16
20J1000AUS	US	i5-7200U	No	Intel HD 620	4GBx1	13.3" HD (1366x768)	None	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	12/16
20J1000EUS	US	i5-7200U	No	Intel HD 620	8GBx1	13.3" HD (1366x768)	None	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	12/16
20J1001BUS	US	i3-7100U	No	Intel HD 620	4GBx1	13.3" FHD (1920x1080) IPS	10-point Multi-touch	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	12/16
20J1001CUS	US	i5-7200U	No	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Black	720p	Backlit	Fingerprint Reader	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	12/16
20J1001DUS	US	i5-7200U	No	Intel HD 620	4GBx1	13.3" FHD (1920x1080) IPS	10-point Multi-touch	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	12/16
20J1001EUS	US	i3-7100U	No	Intel HD 620	4GBx1	13.3" FHD (1920x1080) IPS	10-point Multi-touch	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	12/16
20J1001FUS	US	i5-7200U	No	Intel HD 620	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	12/16
20J1001GUS	US	i5-7200U	No	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Silver	720p	Backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	3-year, Depot	12/16
20J1001HUS	US	i3-7100U	No	Intel HD 620	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	12/16
20J1001JUS	US	i5-7200U	No	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Silver	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	12/16

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ThinkPad 13 Chromebook Platform Specifications

Processor

Intel® Celeron® processor or 6th Generation Intel Core™ i3 / i5 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel 3855U	2	2	1.6 GHz	-	2MB	LPDDR3-1866	Intel HD graphics 510
i3-6100U		4	2.3 GHz	-	3MB		Intel HD graphics 520
i5-6300U			2.4 GHz	3.0 GHz	3MB		

Graphics

Intel HD Graphics 510 or 520 in processor,
supports external digital monitor via USB Type-C;
supports three independent displays;
Max resolution: 3840X2160 (USB Type-C)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

4GB or 8GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets

Display

Some: 13.3" (338mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Some: 13.3" (338mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 220 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle
Some: 13.3" (338mm) FHD (1920x1080), glossy, LED backlight, IPS, multi-touch, 250 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle

Multi-touch *(opt)*

Capacitive-type multi-touch, supports 10-finger gesture

Storage

16GB or 32GB eMMC (embedded Multi Media Card) flash memory on board

Optical

None

Ethernet

None

WLAN[4]

11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN

None

Dimensions[3]

WxDxH: 12.69" x 8.77" x 0.78"; 322.4mm x 222.8mm x 19.8mm

Weight[2]

from 3.1 lb / 1.41 kg

Case color

Pure Black

Case material

PC/ABS plastic

Smart card reader

None

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0 (Always On), two USB Type-C

Camera

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Nuvoton NAU88L25B codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack

Keyboard

ThinkPad Chrome keyboard, 6-row, multimedia Fn keys

Touchpad

Buttonless touchpad below keyboard, multi-touch

Security

Security keyhole

Security chip

Discrete TPM 1.2, TCG Certified

vPro

None

Fingerprint reader

None

Battery

Integrated Lithium Polymer 3-cell *(42Wh)*

Max battery life[10]

13 hr

AC adapter

USB Type-C 45-watt AC adapter

Preload

Google Chrome OS

Limited warranty[12]

1-year depot repair service

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Keyboard	Fingerprint Reader	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20GL0000US	US	Celeron 3855U	No	Intel HD 510	4GB Soldered	13.3" HD (1366x768) Anti-glare	None	16GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	05/16
20GL0002US	US	i3-6100U	No	Intel HD 520	4GB Soldered	13.3" HD (1366x768) Anti-glare	None	16GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	05/16
20GL0004US	US	i5-6300U	No	Intel HD 520	8GB Soldered	13.3" FHD (1920x1080) IPS Anti-glare	None	32GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	05/16
20GL0005US	US	i5-6300U	No	Intel HD 520	8GB Soldered	13.3" HD (1366x768) Anti-glare	None	32GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	05/16
20GL0006US	US	Celeron 3855U	No	Intel HD 510	4GB Soldered	13.3" FHD (1920x1080) IPS Glossy	10-point Multi-touch	16GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	10/16
20GL0007US	US	i5-6300U	No	Intel HD 520	8GB Soldered	13.3" FHD (1920x1080) IPS Glossy	10-point Multi-touch	32GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	10/16
20GL0008US	US	i3-6100U	No	Intel HD 520	4GB Soldered	13.3" FHD (1920x1080) IPS Glossy	10-point Multi-touch	16GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	Non-backlit	None	dTPM 1.2	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	10/16

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ThinkPad E450 Platform Specifications

Processor

4th or 5th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics
i3-4005U	2	4	1.7 GHz	-	3MB	DDR3L-1600	HD4400
i3-5005U	2	4	2.0 GHz	-	3MB		HD5500
i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500
i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB		HD5500

Graphics

Intel HD Graphics in processor only, or
AMD Radeon R5 M240 Graphics, 1GB DDR3 memory,
AMD Radeon R7 M260 Graphics, 2GB DDR3 memory,
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent display
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable,
two 204-pin SO-DIMM sockets

Display

Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight,
200 nits, 16:9 aspect ratio
Some: 14.0" (355mm) FHD (1920x1080) color, anti-glare, LED backlight,
220 nits, 16:9 aspect ratio

Multi-touch

Some: supports 10-finger gesture

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable,
upgradable, Shock Mounted Hard Drive, Active Protection System™
Some: Hybrid drive with 8GB NAND flash memory

Optical

None

M.2 SSD

None

Ethernet

Intel WGI218V Gigabit Ethernet Connection

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN

One of the following, configurable by model:

- Intel Wireless-AC 3160, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card
- RTL8723BE, Realtek 11b/g/n, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- BCM43162, Broadcom 11-AC, 1x1, Wi-Fi + BT combo adapter, M.2 Card

WWAN

None

SIM card

None

Smart Card Read

None

ExpressCard

None

Dimensions

None Touch(WxDxH): 13.35" x 9.41" x 0.94"; 339mm x 239mm x 24mm

Weight

6-cell None Touch: from 4.00 lb (1.81kg)

Case color

Graphite Black

Case material

PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0, one USB 2.0 (Always On), Ethernet (RJ-45),
external monitor (HDMI), Lenovo OneLink connector

Monitor cable

None

Camera

Some: 0.3-megapixel, fixed focus
Some: HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX20751 codec, Dolby® Advanced Audio™ v4 /
stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

TPM : Trusted Platform Module, TCG 1.2-compliant
Soft : Software TPM enabled

vPro

None

Fingerprint reader

Some: Fingerprint reader on the keyboard bezel, swipe sensor

NFC

None

Battery type

Li-Ion 6-cell (47Wh)

Battery life

6-cell (47Wh): up to 9.0 hr

AC adapter

Some: 45-watt AC adapter (Integrated Graphics)
Some: 65-watt AC adapter (Discrete Graphics)

Preload

Some: No operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)

Some: Windows 8.1 64-bit

Some: Windows 8.1 Pro 64-bit

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- ThinkVantage System Update
- Evernote
- Maxthon Cloud Browser
- Norton Studio
- Microsoft Office preloaded; purchase a product key to activate
- Norton Internet Security (30 days of virus definitions)

Some: Windows 7 Professional preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™

Some: Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- Microsoft Office preloaded; purchase a product key to activate
- McAfee LiveSafe (30 days of virus definitions)

Limited warranty

1-year - depot repair service / service upgrades available

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

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(LNST1-Spec) August 2015

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DC003FUS	US	i3-4005U	No	Intel HD 4400	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 64-bit	1-year, Depot	01/15
20DC003JUS	US	i3-4005U	No	Intel HD 4400	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003KUS	US	i3-4005U	No	Intel HD 4400	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003LUS	US	i3-4005U	No	Intel HD 4400	8GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003MUS	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 64-bit	1-year, Depot	01/15
20DC003NUS	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003PUS	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003QUS	US	i3-5005U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003RUS	US	i3-5005U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003SUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003TUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003UUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003VUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DC003WUS	US	i3-4005U	No	Intel HD 4400	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC003XUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC003YUS	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	14" HD (1366x768)	None	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0040US	US	i3-4005U	No	Intel HD 4400	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0041US	US	i3-4005U	No	Intel HD 4400	4GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0042US	US	i3-4005U	No	Intel HD 4400	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0043US	US	i3-4005U	No	Intel HD 4400	8GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DC0044US	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0045US	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0046US	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0047US	US	i3-5005U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0048US	US	i3-5005U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0049US	US	i3-5005U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004CUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004DUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004EUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" FHD (1920x1080)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004FUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" FHD (1920x1080)	None	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004GUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004HUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004JUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" FHD (1920x1080)	None	1TB 5400rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004KUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004LUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004MUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" FHD (1920x1080)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004NUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004PUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" FHD (1920x1080)	None	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004QUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004SUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DC004TUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" FHD (1920x1080)	None	1TB 5400rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004UUS	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	14" FHD (1920x1080)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004VUS	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	14" FHD (1920x1080)	None	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004WUS	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	14" HD (1366x768)	None	1TB 5400rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004XUS	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	14" FHD (1920x1080)	None	1TB 5400rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC004YUS	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0050US	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	14" FHD (1920x1080)	None	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0051US	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	14" FHD (1920x1080)	None	1TB 5400rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC0099US	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DC00AVUS	US	i3-4005U	No	Intel HD 4400	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	07/15
20DC00AWUS	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	14" FHD (1920x1080)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	07/15
20DC00AXUS	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	14" FHD (1920x1080)	None	500GB 7200rpm	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	07/15
20DC00AYUS	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	14" FHD (1920x1080)	None	192GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	07/15
20DC00B0US	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	07/15
20DC00B1US	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	07/15
20DC00B2US	US	i3-4005U	No	Intel HD 4400	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	07/15
20DC00BVUS	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	0.3MP	Non-backlit	None	dTPM 1.2	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	08/15
20DC00BWUS	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	08/15
20DC00BXUS	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15
20DC00BYUS	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	0.3MP	Non-backlit	None	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DC00C0US	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	0.3MP	Non-backlit	None	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15

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ThinkPad E460 Platform Specifications

Processor

6th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-6100U	2	4	2.3 GHz	-	3MB	DDR3L-1600	Intel HD Graphics 520
i5-6200U			2.3 GHz	2.8 GHz	3MB		
i7-6500U			2.5 GHz	3.1 GHz	4MB		

Graphics

Intel HD Graphics in processor only, or
AMD Radeon R5 M330 Graphics, 2GB DDR3 memory, or
AMD Radeon R7 M360 Graphics, 2GB DDR3 memory,
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent displays;
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable,
two 204-pin SO-DIMM sockets

Display

Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight,
220 nits, 16:9 aspect ratio
Some: 14.0" (355mm) FHD (1920x1080) color, anti-glare, LED backlight, IPS,
250 nits, 16:9 aspect ratio

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable,
upgradable, Active Protection System™
Some: SSHD with 8GB NAND flash memory

Optical

None

M.2 SSD

None

Ethernet

Gigabit Ethernet Connection

Bluetooth™

Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN

One of the following, configurable by model:

- Intel Dual Band Wireless-AC 3165, 1x1, Wi-Fi + BT combo adapter, M.2 Card
- Intel Dual Band Wireless-AC 8260, 2x2, Wi-Fi + BT combo adapter, M.2 Card
- BCM, Broadcom Wireless-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- QCA, Qualcomm Wireless-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card

WWAN

None

SIM card

None

Dimensions

Aluminum (WxDxH): 13.35" x 9.41" x 0.90"; 339mm x 239mm x 22.9mm
PC/ABS (WxDxH): 13.35" x 9.41" x 0.96"; 339mm x 239mm x 24.4mm

Weight

From 4.23 lb (1.92kg)

Case color

Graphite black

Case material

Aluminum: Aluminum display cover
PC/ABS: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic display cover

Smart Card Reader

None

ExpressCard

None

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), HDMI, Ethernet (RJ-45),
Lenovo OneLink connector, combo audio / microphone jack

Monitor cable

None

Camera

Some: HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio™ /
stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

TPM2.0 : Trusted Platform Module, TPM2.0 FW (firmware)
TPM1.2: Trusted Platform Module, TCG 1.2-compliant
TPM : TPM2.0 and TPM1.2

vPro

None

Fingerprint reader

Some: Fingerprint reader on the keyboard bezel, swipe sensor

NFC

None

Battery type

Li-Ion 6-cell (47Wh)

Battery life

6-cell (47Wh): up to 9.0 hr

AC adapter

Some: 45-watt AC adapter (Integrated Graphics)
Some: 65-watt AC adapter (Discrete Graphics)

Preload

Some: No operating system
Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- PC Device Stage
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Some: Windows 10 Pro 64
Some: Windows 10 Home 64

- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Settings
- ThinkVantage System Update
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty

1-year - depot repair service / service upgrades available

Mil-Spec test

None

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20ET000YUS	US	i3-6100U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20ET0010US	US	i5-6200U	No	Intel HD 520	8GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20ET0011US	US	i3-6100U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20ET0012US	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20ET0013US	US	i7-6500U	No	AMD R7 M360 2GB	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (47Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20ET0014US	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20ET0015US	US	i3-6100U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20ET0016US	US	i5-6200U	No	Intel HD 520	8GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20ET0017US	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20ET0018US	US	i3-6100U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20ET0019US	US	i7-6500U	No	AMD R7 M360 2GB	8GBx1	14" FHD (1920x1080) IPS	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (47Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20ET001AUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20ET001BUS	US	i7-6500U	No	AMD R7 M360 2GB	8GBx1	14" FHD (1920x1080) IPS	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20ET001CUS	US	i7-6500U	No	AMD R7 M360 2GB	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20ET004GUS	US	i7-6500U	No	AMD R7 M360 2GB	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	04/16
20ET004HUS	US	i7-6500U	No	AMD R7 M360 2GB	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (47Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	04/16
20ET004VUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	09/16
20ET004WUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	09/16
20ET0054US	US	i5-6200U	No	Intel HD 520	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	10/16
20ET0055US	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	10/16

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ThinkPad E465 Platform Specifications

Processor

AMD Accelerated Processor A6, A8, or A10 APU

Processor Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	Memory speed	Graphics
A6-8500P	2	6	1.6 GHz	3.0 GHz	1MB	DDR3L-1600	R5 Graphics
A6-8500P	2	6	1.6 GHz	3.0 GHz	1MB		R5 M330
A8-8600P	4	10	1.6 GHz	3.0 GHz	2MB		R6 M335DX (R6+R5 M330)
A10-8700P	4	10	1.8 GHz	3.2 GHz	2MB		R6 M340DX (R6+R5 M330)

Graphics

AMD Radeon™ R5 Graphics in processor only, or
AMD Radeon R5 M330 Graphics, 2GB DDR3 memory, or
Dual Graphics support for A8 and A10 APU
digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

AMD SoC (System on Chip) platform

Memory

16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets

Display

Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio
Some: 14.0" (355mm) FHD (1920x1080) color, anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™
Some: SSHD with 8GB NAND flash memory

Optical

None

M.2 SSD

None

Ethernet

Gigabit Ethernet Connection

Bluetooth™

Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN

One of the following, configurable by model:

- BCM, Broadcom Wireless-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- QCA, Qualcomm Wireless-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card

WWAN

None

SIM card

None

Dimensions

Aluminum (WxDxH): 13.35" x 9.41" x 0.90"; 339mm x 239mm x 22.9mm
PC/ABS (WxDxH): 13.35" x 9.41" x 0.96"; 339mm x 239mm x 24.4mm

Weight

From 4.27 lb (1.94kg)

Case color

Graphite black

Case material

Aluminum: Aluminum display cover
PC/ABS: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic display cover

Smart Card Reader

None

ExpressCard

None

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), HDMI, Ethernet (RJ-45), Lenovo OneLink connector, combo audio / microphone jack

Monitor cable

None

Camera

HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio™ / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

TPM2.0 : Trusted Platform Module, TPM2.0 FW (firmware)
TPM1.2: Trusted Platform Module, TCG 1.2-compliant
TPM : TPM2.0 and TPM1.2

vPro

None

Fingerprint reader

Some: Fingerprint reader on the keyboard bezel, swipe sensor

NFC

None

Battery type

Li-Ion 6-cell (47Wh)

Battery life

Up to 6.5 hr

AC adapter

Some: 45-watt AC adapter (Integrated Graphics)
Some: 65-watt AC adapter (Discrete Graphics)

Preload

Some: No operating system
Some: Windows® 7 Professional 64
Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- PC Device Stage
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Some: Windows 10 Pro 64
Some: Windows 10 Home 64

- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Settings
- ThinkVantage System Update
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty

1-year - depot repair service / service upgrades available

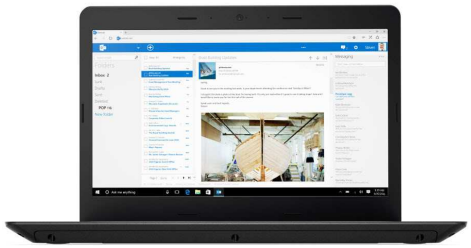
Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20EX0008US	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	14" HD (1366x768)	None	500GB 5400rpm	None	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EX0009US	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	14" HD (1366x768)	None	192GB SSD	None	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EX000AUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	14" HD (1366x768)	None	500GB 5400rpm	None	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EX000BUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	14" HD (1366x768)	None	500GB 5400rpm	None	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EX000CUS	US	AMD A6-8500P	No	AMD R5 Graphics	4GBx1	14" HD (1366x768)	None	500GB 5400rpm	None	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EX000DUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	14" HD (1366x768)	None	500GB 5400rpm	None	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EX000EUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	14" HD (1366x768)	None	192GB SSD	None	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EX001JUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	14" FHD (1920x1080) IPS	None	500GB 5400rpm	None	QCA435 ac, 1x1 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	06/16
20EX001KUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	14" FHD (1920x1080) IPS	None	192GB SSD	None	QCA435 ac, 1x1 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	06/16
20EX001LUS	US	AMD A6-8500P	No	AMD R5 Graphics	4GBx1	14" HD (1366x768)	None	500GB 5400rpm	None	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (47Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	06/16
20EX001MUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	14" HD (1366x768)	None	192GB SSD	None	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	06/16
20EX001NUS	US	AMD A6-8500P	No	AMD R5 Graphics	4GBx1	14" HD (1366x768)	None	500GB 5400rpm	None	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	6-cell (47Wh)	45W	Win10 Pro 64	1-year, Depot	06/16
20EX001PUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	14" HD (1366x768)	None	500GB 5400rpm	None	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	06/16
20EX001QUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	14" FHD (1920x1080) IPS	None	500GB 5400rpm	None	QCA435 ac, 1x1 + BT4.0	None	None	Black	Aluminum	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 Pro 64	1-year, Depot	06/16
20EX001RUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	14" HD (1366x768)	None	500GB 5400rpm	None	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (47Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	06/16

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ThinkPad E470 Platform Specifications

Processor

6th or 7th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620
i5-7200U			2.5 GHz	3.1 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520

Graphics

Intel HD Graphics in processor only, or
NVIDIA GeForce 920MX Graphics, 2GB DDR3 memory, or
NVIDIA GeForce 940MX Graphics, 2GB DDR3 memory,
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent displays;
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

32GB max / PC4-19200 2400MHz DDR4, non-parity, dual-channel capable,
two 260-pin SO-DIMM sockets
*System automatically clocks down with 1866MHz DDR4 memory controller

Display

Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight,
220 nits, 16:9 aspect ratio, 400:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS,
250 nits, 16:9 aspect ratio, 400:1 contrast ratio

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable,
upgradable, Active Protection System™

M.2 SSD

None

Optical

None

Ethernet

Gigabit Ethernet Connection, Realtek R8111GUS

WLAN

One of the following, configurable by model:

- Intel Dual Band Wireless-AC 8265, 2x2, Wi-Fi + BT combo adapter, M.2 Card
- QCA, Qualcomm 344A-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card
- QCA, Qualcomm 435-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card

Bluetooth™

Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN

None

SIM card

None

Smart Card Reader

None

ExpressCard

None

Dock

None

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0 (one Always On), one USB 2.0, HDMI, Ethernet (RJ-45),
combo audio / microphone jack

Monitor cable

None

Dimensions

Aluminum (WxDxH): 13.35" x 9.53" x 0.88"; 339mm x 242mm x 22.4mm
PC/ABS (WxDxH): 13.35" x 9.53" x 0.93"; 339mm x 242mm x 23.7mm

Weight

From 4.12 lb (1.87kg)

Case color

Black, Silver, Gold

Case material

Aluminum: Aluminum display cover
PC/ABS: PolyCarbonate/Acrylonitrile-Butadiene-Styrene display cover

Camera

Some: HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® Audio™ Premium /
stereo speakers, 2W x 2 / dual array microphone,
combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Fingerprint reader

Some: Fingerprint reader on the keyboard bezel, swipe sensor

NFC

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

FW TPM 2.0: Firmware TPM 2.0, integrated in chipset
dTPM 2.0: Discrete TPM 2.0, TCG Certified

vPro

No

Battery type

Li-Polymer 3-cell (45Wh)

Battery life

3-cell (45Wh): up to 8.4 hr

AC adapter

Some: 45-watt AC adapter
Some: 65-watt AC adapter
Some: 90-watt AC adapter

Preload

Some: Windows 10 Pro 64
Some: Windows 10 Home 64
Some: No operating system

- Lenovo Companion
- Lenovo Settings
- Microsoft Office preloaded;
  purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty

1-year - depot repair service / service upgrades available

Mil-Spec test

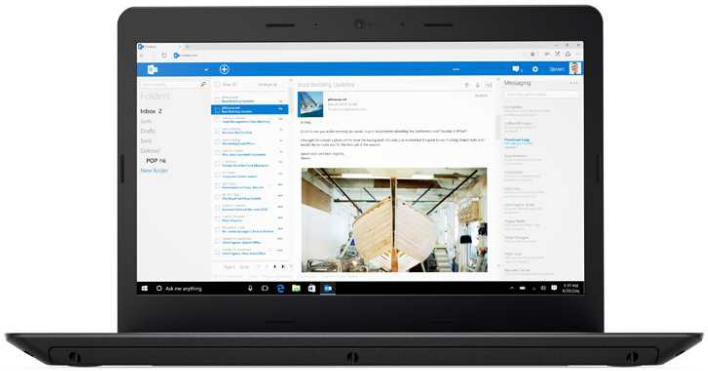
None

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H10038US	US	i3-7100U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (45Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16
20H10039US	US	i5-7200U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (45Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16
20H1003AUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (45Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16
20H1003DUS	US	i3-6006U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	3-cell (45Wh)	45W	Windows 10 Pro 64	1-year, Depot	11/16
20H1004RUS	US	i7-7500U	No	940MX 2GB	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (45Wh)	65W	Windows 10 Pro 64	1-year, Depot	09/16
20H1004SUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (45Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16
20H1004TUS	US	i7-7500U	No	940MX 2GB	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (45Wh)	65W	Windows 10 Pro 64	1-year, Depot	09/16
20H10059US	US	i3-7100U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	3-cell (45Wh)	45W	Windows 10 Pro 64	1-year, Depot	01/17
20H1005AUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	3-cell (45Wh)	45W	Windows 10 Pro 64	1-year, Depot	01/17
20H1005BUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	3-cell (45Wh)	45W	Windows 10 Pro 64	1-year, Depot	01/17

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ThinkPad E475 Platform Specifications

Processor

AMD Accelerated Processor A6, or A10 APU

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
A6-9500B	2	4	2.3 GHz	3.2 GHz	2MB	DDR4-1866	R5 Graphics
A10-9600P	4	8	2.4 GHz	3.3 GHz	2MB		

Graphics

AMD Radeon™ R5 Graphics in processor only, or
AMD Radeon R5 M430 Graphics, 2GB DDR3 memory, or
digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent displays;
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

AMD SoC (System on Chip) platform

Memory

32GB max / PC4-19200 2400MHz DDR4, non-parity, dual-channel capable, two 260-pin SO-DIMM sockets
*System automatically clocks down with 1866MHz DDR4 memory controller

Display

Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™

M.2 SSD

None

Optical

None

Ethernet

Gigabit Ethernet Connection, Realtek R8111GUS

WLAN

One of the following, configurable by model:

- QCA, Qualcomm 344A-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card
- QCA, Qualcomm 435-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card

Bluetooth™

Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN

None

SIM card

None

Smart Card Reader

None

ExpressCard

None

Dock

None

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0 (one Always On), one USB 2.0, HDMI, Ethernet (RJ-45), combo audio / microphone jack

Monitor cable

None

Dimensions

PC/ABS (WxDxH): 13.35" x 9.53" x 0.93"; 339mm x 242mm x 23.7mm

Weight

From 4.12 lb (1.87kg)

Case color

Black

Case material

PC/ABS: PolyCarbonate/Acrylonitrile-Butadiene-Styrene display cover

Camera

HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® Audio™ Premium / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Fingerprint reader

None

NFC

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

FW TPM2.0: Firmware TPM 2.0, integrated in chipset
dTPM2.0: Discrete TPM 2.0, TCG Certified

vPro

No

Battery type

Li-Polymer 3-cell (45Wh)

Battery life

3-cell (45Wh): up to 6.5 hr

AC adapter

Some: 45-watt AC adapter
Some: 65-watt AC adapter

Preload

Some: Windows 10 Pro 64
Some: Windows 10 Home 64
Some: No operating system

- Lenovo Companion
- Lenovo Settings
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty

1-year - depot repair service / service upgrades available

Mil-Spec test

None

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H40006US	US	AMD A6-9500B	No	AMD R5 Graphics	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 2.0	3-cell (45Wh)	45W	Windows 10 Pro 64	1-year, Depot	11/16
20H40007US	US	AMD A10-9600P	No	AMD R5 M430 2GB	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	3-cell (45Wh)	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H40008US	US	AMD A10-9600P	No	AMD R5 M430 2GB	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	3-cell (45Wh)	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H40009US	US	AMD A6-9500B	No	AMD R5 Graphics	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 2.0	3-cell (45Wh)	45W	Windows 10 Pro 64	1-year, Depot	11/16
20H4000AUS	US	AMD A10-9600P	No	AMD R5 M430 2GB	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	3-cell (45Wh)	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H4000DUS	US	AMD A10-9600P	No	AMD R5 M430 2GB	8GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	3-cell (45Wh)	65W	Windows 10 Pro 64	1-year, Depot	01/17

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ThinkPad E550 Platform Specifications

Processor

4th or 5th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics
i3-4005U	2	4	1.7 GHz	-	3MB	DDR3L-1600	HD4400
i3-5005U	2	4	2.0 GHz	-	3MB		HD5500
i3-5015U	2	4	2.1 GHz		3MB		HD5500
i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500
i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB		HD5500

Graphics

Intel HD Graphics in processor only, or
AMD Radeon R7 M260 Graphics, 2GB DDR3 memory,
external analog monitor support via VGA DB-15 connector and
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent display
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable,
two 204-pin SO-DIMM sockets

Display

*S*ome: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight,
200 nits, 16:9 aspect ratio
Some: 15.6" (396mm) FHD (1920x1080) color, anti-glare, LED backlight,
220 nits, 16:9 aspect ratio

Multi-touch

Some: supports 10-finger gesture

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable,
upgradable, Shock Mounted Hard Drive, Active Protection System™
Some: Hybrid drive with 8GB NAND flash memory

Optical

Some: DVD burner, 9.0mm high, removable
Some: Blank Bezel

M.2 SSD

None

Ethernet

Intel WGI218V Gigabit Ethernet Connection

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN

One of the following, configurable by model:

- Intel Wireless-AC 3160, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card
- RTL8723BE, Realtek 11b/g/n, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- BCM43162, Broadcom 11-AC, 1x1, Wi-Fi + BT combo adapter, M.2 Card

WWAN

None

SIM card

None

Smart Card Read

None

ExpressCard

None

Dimensions

None Touch(WxDxH): 14.84" x 10.08" x 1.06"; 377mm x 256mm x 27mm

Weight

6-cell None Touch: from 5.21 lb (2.35kg)

Case color

Graphite Black

Case material

PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0 (one Always On), one USB 2.0, Ethernet (RJ-45),
external monitor (VGA DB-15, HDMI), Lenovo OneLink connector

Monitor cable

None

Camera

Some: 0.3-megapixel, fixed focus
Some: HD720p resolution, fixed focus
Some: 3D camera, Intel RealSense™ 3D Camera with MIC

Audio support

HD Audio, Conexant® CX20751 codec, Dolby® Advanced Audio™ v4 /
stereo speakers or JBL speakers, 2W x 2 / dual array microphone,
combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Some: Trusted Platform Module, TCG 1.2-compliant

vPro

None

Fingerprint reader

Some: Fingerprint reader on the keyboard bezel, swipe sensor

NFC

None

Battery type

Li-Ion 6-cell (48Wh)

Battery life

6-cell (48Wh): up to 9.0 hr

AC adapter

Some: 45-watt AC adapter (Integrated Graphics)
Some: 65-watt AC adapter (Discrete Graphics)

Preload

Some: No operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)

Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- ThinkVantage System Update
- Evernote
- Maxthon Cloud Browser
- Norton Studio
- Microsoft Office preloaded; purchase a product key to activate
- Norton Internet Security (30 days of virus definitions)

Some: Windows 7 Professional preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™

Some: Windows 10 Pro 64
Some: Windows 10 Home 64

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- Microsoft Office preloaded; purchase a product key to activate
- McAfee LiveSafe (30 days of virus definitions)

Limited warranty

1-year - depot repair service / service upgrades available

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

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(GDN1-Spec) August 2015

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DF002WUS	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 64-bit	1-year, Depot	01/15
20DF002XUS	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF002YUS	US	i3-4005U	No	Intel HD 4400	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0030US	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0031US	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0032US	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0033US	US	i3-4005U	No	Intel HD 4400	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 64-bit	1-year, Depot	01/15
20DF0034US	US	i3-4005U	No	Intel HD 4400	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0035US	US	i3-4005U	No	Intel HD 4400	4GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0036US	US	i3-4005U	No	Intel HD 4400	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0037US	US	i3-4005U	No	Intel HD 4400	8GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0038US	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0039US	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003AUS	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003BUS	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003CUS	US	i3-5005U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003DUS	US	i3-5005U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003EUS	US	i3-5005U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003FUS	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003GUS	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" FHD (1920x1080)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DF003HUS	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003JUS	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" FHD (1920x1080)	None	128GB SSD	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003KUS	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003LUS	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003MUS	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" FHD (1920x1080)	None	1TB 5400rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003NUS	US	i5-5200U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003PUS	US	i5-5200U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003QUS	US	i5-5200U	No	Intel HD 5500	8GBx1	15.6" FHD (1920x1080)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003RUS	US	i5-5200U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003SUS	US	i5-5200U	No	Intel HD 5500	8GBx1	15.6" FHD (1920x1080)	None	128GB SSD	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003TUS	US	i5-5200U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003UUS	US	i5-5200U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003VUS	US	i5-5200U	No	Intel HD 5500	8GBx1	15.6" FHD (1920x1080)	None	1TB 5400rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003WUS	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	15.6" FHD (1920x1080)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003XUS	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	15.6" FHD (1920x1080)	None	128GB SSD	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF003YUS	US	i7-5500U	No	AMD R7 M260 2GB	4GBx1	15.6" FHD (1920x1080)	None	1TB 5400rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0040US	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	15.6" FHD (1920x1080)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0041US	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	15.6" FHD (1920x1080)	None	128GB SSD	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0042US	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	15.6" FHD (1920x1080)	None	1TB 5400rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DF0043US	US	i3-4005U	No	Intel HD 4400	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DF0044US	US	i3-4005U	No	Intel HD 4400	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF0045US	US	i3-4005U	No	Intel HD 4400	8GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF0046US	US	i3-4005U	No	Intel HD 4400	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF0047US	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF0048US	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF0049US	US	i3-5005U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF004AUS	US	i3-5005U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF004BUS	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF004CUS	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF004DUS	US	i5-5200U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF004EUS	US	i5-5200U	No	Intel HD 5500	8GBx1	15.6" HD (1366x768)	None	1TB 5400rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win8.1 Pro 64-bit	1-year, Depot	01/15
20DF00BXUS	US	i3-4005U	No	Intel HD 4400	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	07/15
20DF00BYUS	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	15.6" FHD (1920x1080)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	07/15
20DF00C0US	US	i3-4005U	No	Intel HD 4400	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	07/15
20DF00C1US	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	15.6" FHD (1920x1080)	None	192GB SSD	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	07/15
20DF00C2US	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	07/15
20DF00C3US	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	15.6" FHD (1920x1080)	None	500GB 7200rpm	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	07/15
20DF00C4US	US	i5-5200U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	07/15
20DF00CAUS	US	i7-5500U	No	AMD R7 M260 2GB	8GBx1	15.6" FHD (1920x1080)	None	192GB SSD	DVD±RW	Intel 7265 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	3D Camera	Non-backlit	Fingerprint Reader	None	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	07/15
20DF00CQUS	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DF00EDUS	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	0.3MP	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15
20DF00EEUS	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	0.3MP	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	08/15
20DF00EFUS	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	08/15
20DF00EGUS	US	i3-5005U	No	Intel HD 5500	4GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 3160 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	0.3MP	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15

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ThinkPad E560 Platform Specifications

Processor

6th Generation Intel® Core™ i3 / i5 / i7 Processor and Celeron Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel 3855U	2	2	1.6 GHz	-	2MB	DDR3L-1600	Intel HD Graphics 510
i3-6100U	2	4	2.3 GHz	-	3MB	DDR3L-1600	Intel HD Graphics 520
i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR3L-1600	Intel HD Graphics 520
i7-6500U	2	4	2.5 GHz	3.1 GHz	4MB	DDR3L-1600	Intel HD Graphics 520

Graphics

Intel HD Graphics in processor only, or
AMD Radeon R7 M370 Graphics, 2GB GDDR5 memory,
external analog monitor support via VGA DB-15 connector and
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent displays;
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable,
two 204-pin SO-DIMM sockets

Display

*S*ome: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight,
220 nits, 16:9 aspect ratio
Some: 15.6" (396mm) FHD (1920x1080) color, anti-glare, LED backlight, IPS,
250 nits, 16:9 aspect ratio

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable,
upgradable, Active Protection System™
Some: SSHD with 8GB NAND flash memory

Optical

Some: DVD burner, 9.0mm high, removable
Some: Blank Bezel

M.2 SSD

None

Ethernet

Gigabit Ethernet Connection

Bluetooth™

Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN

One of the following, configurable by model:

- Intel Dual Band Wireless-AC 3165, 1x1, Wi-Fi + BT combo adapter, M.2 Card
- Intel Dual Band Wireless-AC 8260, 2x2, Wi-Fi + BT combo adapter, M.2 Card
- BCM, Broadcom Wireless-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- QCA, Qualcomm Wireless-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card

WWAN

None

SIM card

None

Dimensions

All (WxDxH): 14.84" x 10.04" x 1.07"; 377mm x 255mm x 27.1mm

Weight

From 5.39 lb (2.45kg)

Case color

Graphite Black

Case material

PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic display cover

Smart Card Reader

None

ExpressCard

None

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), VGA, HDMI, Ethernet (RJ-45),
Lenovo OneLink connector, combo audio/microphone jack

Monitor cable

None

Camera

Some: HD720p resolution, fixed focus
Some: 3D camera, Intel RealSense™ 3D Camera with MIC

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio™ /
stereo speakers or JBL speakers, 2W x 2 / dual array microphone,
combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

TPM2.0 : Trusted Platform Module, TPM2.0 FW (firmware)
TPM1.2: Trusted Platform Module, TCG 1.2-compliant
TPM : TPM2.0 and TPM1.2

vPro

None

Fingerprint reader

Some: Fingerprint reader on the keyboard bezel, swipe sensor

NFC

None

Battery type

Li-Ion 6-cell (48Wh)

Battery life

6-cell (48Wh): up to 9.0 hr

AC adapter

Some: 45-watt AC adapter (Integrated Graphics)
Some: 65-watt AC adapter (Discrete Graphics)

Preload

Some: No operating system
Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- PC Device Stage
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Some: Windows 10 Pro 64
Some: Windows 10 Home 64

- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Settings
- ThinkVantage System Update
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty

1-year - depot repair service / service upgrades available

Mil-Spec test

None

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20EV0027US	US	i7-6500U	No	AMD R7 M370 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	3D Camera	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EV002DUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EV002EUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EV002FUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EV002GUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EV002HUS	US	i5-6200U	No	Intel HD 520	8GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EV002JUS	US	i7-6500U	No	AMD R7 M370 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EV002KUS	US	i7-6500U	No	AMD R7 M370 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EV002LUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20EV002MUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20EV002NUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20EV002PUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20EV002QUS	US	i5-6200U	No	Intel HD 520	8GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20EV002RUS	US	i7-6500U	No	AMD R7 M370 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EV002SUS	US	i7-6500U	No	AMD R7 M370 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EV003EUS	US	i7-6500U	No	AMD R7 M370 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	04/16
20EV003FUS	US	i7-6500U	No	AMD R7 M370 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	04/16
20EV003VUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	09/16
20EV003WUS	US	i5-6200U	No	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	09/16
20EV0043US	US	i5-6200U	No	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	11/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20EVA05UUS	US	i5-6200U	No	Intel HD 520	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	10/16

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ThinkPad E565 Platform Specifications

Processor

AMD Accelerated Processor A6, A8, A10, or FX APU

Processor Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	Memory speed	Graphics
A6-8500P	2	6	1.6 GHz	3.0 GHz	1MB	DDR3L-1600	R5 Graphics
A8-8600P	4	10	1.6 GHz	3.0 GHz	2MB		R6 Graphics
A8-8600P	4	10	1.6 GHz	3.0 GHz	2MB		R6 M335DX (R6+R5 M330)
A10-8700P	4	10	1.8 GHz	3.2 GHz	2MB		R6 M340DX (R6+R5 M330)
FX-8800P	4	12	2.1 GHz	3.4 GHz	2MB		R8 M350DX (R7+R5 M330)

Graphics

AMD Radeon™ R5 or R6 Graphics in processor only, or
AMD Radeon R5 M330 Graphics, 2GB DDR3 memory, or
Dual Graphics support for A8, A10 and FX APU
external analog monitor support via VGA DB-15 connector and
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent display

Chipset

AMD SoC (System on Chip) platform

Memory

16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable,
two 204-pin SO-DIMM sockets

Display

Some: **15.6"** (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio
Some: **15.6"** (396mm) FHD (1920x1080) color, anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™
Some: SSHD with 8GB NAND flash memory

Optical

Some: DVD burner, 9.0mm high, removable
Some: Blank Bezel

M.2 SSD

None

Ethernet

Gigabit Network Connection

Bluetooth™

Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN

One of the following, configurable by model:

- BCM, Broadcom Wireless-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- QCA, Qualcomm Wireless-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card

WWAN

None

SIM card

None

Dimensions

All (WxDxH): 14.84" x 10.04" x 1.07"; 377mm x 255mm x 27.1mm

Weight

From 5.46 lb (2.48kg)

Case color

Graphite black

Case material

PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic display cover

Smart Card Reader

None

ExpressCard

None

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), VGA, HDMI, Ethernet (RJ-45),
Lenovo OneLink connector, combo audio/microphone jack

Monitor cable

None

Camera

HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio™ /
stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

TPM2.0 : Trusted Platform Module, TPM2.0 FW (firmware)
TPM1.2: Trusted Platform Module, TCG 1.2-compliant
TPM : TPM2.0 and TPM1.2

vPro

None

Fingerprint reader

Some: Fingerprint reader on the keyboard bezel, swipe sensor

NFC

None

Battery type

Li-Ion 6-cell (48Wh)

Battery life

Up to 6.5 hr

AC adapter

Some: 45-watt AC adapter (Integrated Graphics)
Some: 65-watt AC adapter (Discrete Graphics)

Preload

Some: No operating system
Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- PC Device Stage
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Some: Windows 10 Pro 64
Some: Windows 10 Home 64

- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Settings
- ThinkVantage System Update
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty

1-year - depot repair service / service upgrades available

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

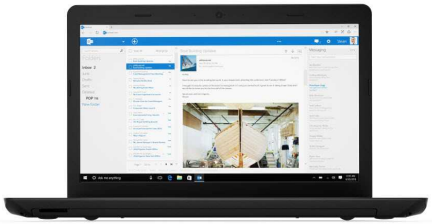
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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20EY0006US	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 5400rpm	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EY0007US	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EY0008US	US	AMD A6-8500P	No	AMD R5 Graphics	8GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EY0009US	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EY000AUS	US	AMD A6-8500P	No	AMD R5 Graphics	4GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EY000BUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EY000CUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EY000DUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EY000EUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 5400rpm	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EY000FUS	US	AMD A6-8500P	No	AMD R5 Graphics	8GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20EY000GUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	11/15
20EY000HUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EY000JUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	11/15
20EY000KUS	US	AMD A6-8500P	No	AMD R5 Graphics	4GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	BCM43162 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20EY001EUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	06/16
20EY001FUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	06/16
20EY001GUS	US	AMD A6-8500P	No	AMD R5 Graphics	4GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	06/16
20EY001HUS	US	AMD A6-8500P	No	AMD R5 Graphics	8GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM1.2 + FW TPM2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	06/16
20EY001JUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	06/16
20EY001KUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	06/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20EY001LUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	06/16
20EY001MUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	06/16
20EY001NUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	06/16
20EY001PUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	06/16
20EY001QUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	06/16
20EY001RUS	US	AMD A6-8500P	No	AMD R5 Graphics	8GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	06/16
20EY001SUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	06/16
20EY001TUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	15.6" FHD (1920x1080) IPS	None	192GB SSD	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	06/16
20EY001UUS	US	AMD A10-8700P	No	AMD R6 M340DX 2GB	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	06/16
20EY001VUS	US	AMD A6-8500P	No	AMD R5 Graphics	4GBx1	15.6" HD (1366x768)	None	500GB 5400rpm	DVD±RW	QCA435 ac, 1x1 + BT4.0	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	06/16

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ThinkPad E570 Platform Specifications

Processor

6th or 7th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620
i5-7200U			2.5 GHz	3.1 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520

Graphics

Intel HD Graphics in processor only, or
NVIDIA GeForce 940MX Graphics, 2GB DDR5 memory, or
NVIDIA GeForce GTX 950MX Graphics, 2GB DDR5 memory,
external analog monitor support via VGA DB-15 connector and
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent displays;
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

32GB max / PC4-19200 2400MHz DDR4, non-parity, dual-channel capable,
two 260-pin SO-DIMM sockets
*System automatically clocks down with 1866MHz DDR4 memory controller

Display

Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight,
220 nits, 16:9 aspect ratio, 400:1 contrast ratio
Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS,
250 nits, 16:9 aspect ratio, 600:1 contrast ratio

Multi-touch

None

Storage

Some: M.2 SSD / SATA 6.0Gb/s
Some: M.2 SSD / PCIe NVMe
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable,
upgradable, Active Protection System™

Optical

Some: DVD burner, 9.0mm high, removable
Some: Blank Bezel

Ethernet

Gigabit Ethernet Connection, Realtek R8111GUS

WLAN

One of the following, configurable by model:

- Intel Dual Band Wireless-AC 8265, 2x2, Wi-Fi + BT combo adapter, M.2 Card
- QCA, Qualcomm 344A-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card
- QCA, Qualcomm 435-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card

Bluetooth™

Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN

None

SIM card

None

Smart Card Reader

None

ExpressCard

None

Dock

None

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0, one USB 2.0 (Always On), VGA, HDMI, Ethernet (RJ-45),
combo audio / microphone jack

Monitor cable

None

Dimensions

Aluminum (WxDxH): 14.92" x 10.28" x 0.94" 379mm x 261mm x 23.9mm
PC/ABS (WxDxH): 14.92" x 10.28" x 1.00"; 379mm x 261mm x 25.4mm

Weight

From 5.07 lb (2.30kg)

Case color

Black, Silver, Gold

Case material

Aluminum: Aluminum display cover
PC/ABS: PolyCarbonate/Acrylonitrile-Butadiene-Styrene display cover

Camera

Some: HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® Audio™ Premium /
stereo speakers, 2W x 2 / dual array microphone,
combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Fingerprint reader

Some: Fingerprint reader on the keyboard bezel, swipe sensor

NFC

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

FW TPM 2.0: Firmware TPM 2.0, integrated in chipset
dTPM 2.0: Discrete TPM 2.0, TCG Certified

vPro

No

Battery type

Some: Li-Polymer 4-cell (32Wh)
Some: Li-Ion 4-cell (41Wh)

Battery life

Some: Up to 5.0 hr for Li-Polymer 4-cell (32Wh)
Some: Up to 7.0 hr for Li-Ion 4-cell (41Wh)

AC adapter

Some: 45-watt AC adapter
Some: 65-watt AC adapter
Some: 90-watt AC adapter

Preload

Some: Windows 10 Pro 64
Some: Windows 10 Home 64
Some: No operating system

- Lenovo Companion
- Lenovo Settings
- Microsoft Office preloaded;
  purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty

1-year - depot repair service / service upgrades available

Mil-Spec test

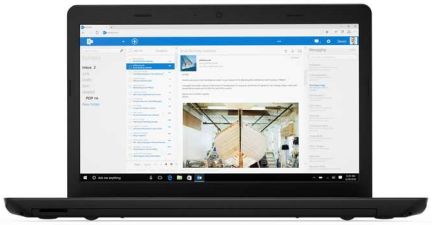
None

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H50042US	US	i3-7100U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16
20H50043US	US	i7-7500U	No	GTX 950MX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	90W	Windows 10 Pro 64	1-year, Depot	09/16
20H50044US	US	i3-6006U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 2.0	4-cell (41Wh)	45W	Windows 10 Pro 64	1-year, Depot	11/16
20H50045US	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD PCIe NVMe Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16
20H50047US	US	i7-7500U	No	GTX 950MX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD PCIe NVMe Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	90W	Windows 10 Pro 64	1-year, Depot	09/16
20H50048US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Windows 10 Pro 64	1-year, Depot	09/16
20H5007UUS	US	i3-7100U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Windows 10 Pro 64	1-year, Depot	01/17
20H5007VUS	US	i5-6200U	No	940MX 2GB	8GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	65W	Windows 10 Pro 64	1-year, Depot	01/17
20H5007WUS	US	i5-6200U	No	940MX 2GB	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	65W	Windows 10 Pro 64	1-year, Depot	01/17

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ThinkPad E575 Platform Specifications

Processor

AMD Accelerated Processor A6, A10, or A12 APU

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
A6-9500B	2	4	2.3 GHz	3.2 GHz	2MB	DDR4-1866	R5 Graphics
A10-9600P	4	8	2.4 GHz	3.3 GHz	2MB		R5 Graphics
A12-9700P	4	8	2.5 GHz	3.4 GHz	2MB		R7 Graphics

Graphics

AMD Radeon™ R5 Graphics in processor only, or
AMD Radeon R5 M430 Graphics, 2GB DDR3 memory, or
external analog monitor support via VGA DB-15 connector and
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent displays;
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

AMD SoC (System on Chip) platform

Memory

32GB max / PC4-19200 2400MHz DDR4, non-parity, dual-channel capable,
two 260-pin SO-DIMM sockets
*System automatically clocks down with 1866MHz DDR4 memory controller

Display

Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight,
220 nits, 16:9 aspect ratio, 400:1 contrast ratio
Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS,
250 nits, 16:9 aspect ratio, 600:1 contrast ratio

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable,
upgradable, Active Protection System™

Optical

Some: DVD burner, 9.0mm high, removable
Some: Blank Bezel

Ethernet

Gigabit Ethernet Connection, Realtek R8111GUS

WLAN

One of the following, configurable by model:

- QCA, Qualcomm 344A-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card
- QCA, Qualcomm 435-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card

Bluetooth™

Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN

None

SIM card

None

Smart Card Reader

None

ExpressCard

None

Dock

None

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0, one USB 2.0 (Always On), VGA, HDMI, Ethernet (RJ-45),
combo audio / microphone jack

Monitor cable

None

Dimensions

PC/ABS (WxDxH): 14.92" x 10.28" x 1.00"; 379mm x 261mm x 25.4mm

Weight

From 5.07 lb (2.30kg)

Case color

Black

Case material

PC/ABS: PolyCarbonate/Acrylonitrile-Butadiene-Styrene display cover

Camera

Some: HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® Audio™ Premium /
stereo speakers, 2W x 2 / dual array microphone,
combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Fingerprint reader

None

NFC

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

FW TPM2.0: Firmware TPM 2.0, integrated in chipset
dTPM2.0: Discrete TPM 2.0, TCG Certified

vPro

No

Battery type

Some: Li-Ion 4-cell (41Wh)

Battery life

Some: Up to 6.5 hr

AC adapter

Some: 45-watt AC adapter
Some: 65-watt AC adapter

Preload

Some: Windows 10 Pro 64
Some: Windows 10 Home 64
Some: No operating system

- Lenovo Companion
- Lenovo Settings
- Microsoft Office preloaded;
  purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty

1-year - depot repair service / service upgrades available

Mil-Spec test

None

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H8000CUS	US	AMD A10-9600P	No	AMD R5 M430 2GB	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	4-cell (41Wh)	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000DUS	US	AMD A10-9600P	No	AMD R5 M430 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	4-cell (41Wh)	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000EUS	US	AMD A10-9600P	No	AMD R5 M430 2GB	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	4-cell (41Wh)	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000FUS	US	AMD A6-9500B	No	AMD R5 Graphics	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	4-cell (41Wh)	45W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000GUS	US	AMD A10-9600P	No	AMD R5 M430 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	4-cell (41Wh)	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000HUS	US	AMD A6-9500B	No	AMD R5 Graphics	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 1.2	4-cell (41Wh)	45W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000QUS	US	AMD A10-9600P	No	AMD R5 M430 2GB	8GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	QCA435ac, 1x1 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	FW TPM 2.0	4-cell (41Wh)	65W	Windows 10 Pro 64	1-year, Depot	01/17

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ThinkPad L450 Platform Specifications

Processor

Intel® Celeron® processor, 4th Generation Intel Core™ i5 Processor, or 5th Generation Intel Core i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel 3205U	2	2	1.5 GHz	-	2MB	DDR3L-1600	Intel HD Graphics
i5-4300U		4	1.9 GHz	2.9 GHz	3MB		Intel HD Graphics 4400
i3-5005U			2 GHz	-	3MB		Intel HD Graphics 5500
i5-5200U			2.2 GHz	2.7 GHz	3MB		
i5-5300U			2.3 GHz	2.9 GHz	3MB		
i7-5500U			2.4 GHz	3 GHz	4MB		

Graphics

Intel HD Graphics or Intel HD Graphics 4400 / 5500 in processor only, or Intel HD Graphics 5500 in processor and AMD Radeon™ R5 M240, 2GB memory (discrete models are only available in Western Europe); supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays; Max resolution: 3840x2160@60Hz (DP via mDP cable); 1920x1200@60Hz (VGA)

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets

Display

Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
Some: SSHD with 8GB NAND flash memory

M.2 SSD *(opt)*

M.2 Solid State Drive (SSD), via M.2 card slot

Optical

None

Ethernet

Non-vPro model: Intel Ethernet Connection I218-V (Clarkville)
vPro model: Intel Ethernet Connection I218-LM (Clarkville)

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN[4]

One of the following, configurable by model:

- 11b/g/n, ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card
- 11b/g/n, Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card (WE only)
- 11a/b/g/n, Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card (WE only)
- 11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 card

WWAN *(optional)*

One of the following, configurable by model:

- Wireless WAN upgradable
- Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card (WE only)
- Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card

SIM card *(opt)*

AT&T® or Verizon® LTE (4G), contract required with service provider

Dimensions[3]

14.0" (WxDxH): 13.34" x 9.23" x 0.95"; 339mm x 235mm x 24.3mm

Weight[2]

Models	*3-cell*	*6-cell*
Integrated	4.25 lb / 1.93 kg	4.43 lb / 2.01 kg
Discrete	4.30 lb / 1.95 kg	4.50 lb / 2.04 kg

Case material

PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic

Smart card reader

Optional: Smart card reader

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector (integrated models only)

Camera *(optional)*

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Realtek® ALC3232 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Trusted Platform Module, TCG 1.2-compliant

ThinkEngine

Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: Fingerprint reader on the keyboard bezel, swipe sensor

Battery type

Li-Ion 3-cell *(23Wh)* or 6-cell *(48Wh or 72Wh)*

Max battery life[10]

Models	*3-cell 23Wh*	*6-cell 48Wh*	*6-cell 72Wh*
Integrated	5.2 hr	10.7 hr	16 hr
Discrete	5.1 hr	10.6 hr	15.9 hr

AC adapter

45W AC adapter or 65W AC adapter

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo REACHit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- PC Device Stage
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)

Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit
Some: Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo Settings
- Lenovo SHAREit
- Lenovo REACHit
- Lenovo Companion
- Microsoft Office preloaded; purchase a product key to activate
- Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model)
- McAfee® LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)

Limited warranty[12]

One of the following, configurable by model:

- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DT000QUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DT000RUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DT000SUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DT000TUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DT000WUS	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DT000YUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DT0010US	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20DT001AUS	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	02/15
20DT001BUS	US	i5-4300U	vPro	Intel HD 4400	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	02/15
20DT001CUS	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	02/15
20DT001DUS	US	i5-4300U	vPro	Intel HD 4400	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	02/15
20DT001KUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20DT001PUS	US	i3-5005U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15
20DT001QUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20DT001SUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20DT001VUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15
20DT001WUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DS000TUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS000UUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell (23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS000VUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS000WUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS000XUS	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS000YUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS0010US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS0011US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" FHD (1920x1080) IPS	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell (23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0012US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell (23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0013US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0014US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell (23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0015US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS0016US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0017US	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS0018US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0019US	US	i5-5200U	No	Intel HD 5500	8GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS001AUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS001BUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell (23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS001CUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS001DUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	3-cell (23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DS001EUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS001FUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS001GUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	3-cell (23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS001HUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS001JUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS001KUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS001LUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell (23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS001MUS	US	i5-5200U	No	Intel HD 5500	4GBx2	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS001NUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell (23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20DS001SUS	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS001UUS	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS001WUS	US	i5-4300U	vPro	Intel HD 4400	8GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS001XUS	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS001YUS	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0020US	US	i5-4300U	vPro	Intel HD 4400	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0021US	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0022US	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0023US	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0024US	US	i5-4300U	vPro	Intel HD 4400	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20DS0025US	US	i5-4300U	vPro	Intel HD 4400	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20DS0026US	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" HD (1366x768)	None	128GB SSD	None	None	Intel 7260 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15

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ThinkPad L460 Platform Specifications

Processor

Intel® Celeron® processor or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel 3855U	2	2	1.6 GHz	-	2MB	DDR3L-1600	Intel HD Graphics 510
i3-6006U		4	2.0 GHz	-	3MB		Intel HD Graphics 520
i3-6100U			2.3 GHz	-	3MB		
i5-6200U			2.3 GHz	2.8 GHz	3MB		
i5-6300U			2.4 GHz	3.0 GHz	3MB		
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

Graphics

Intel HD Graphics 510 or 520 in processor only, or
Intel HD Graphics 520 in processor and AMD Exo Pro Radeon R5, 2GB memory; supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays;
Max resolution: 3840x2160@60Hz (DP via mDP cable); 1920x1200@60Hz (VGA)

Chipset

Intel SoC (System on Chip) platform

Memory

32GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two DDR3L SO-DIMM sockets

Display

Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 or 500:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 or 700:1 contrast ratio, 170° viewing angle

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Shock Mounted Hard Drive, Active Protection System™
Some: SSHD with 8GB NAND flash memory

Optical

None

Ethernet

Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4]

One of the following, configurable by model:
- 11ac+BT, Broadcom BCM4356, 2x2, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*

One of the following, configurable by model:
- Wireless WAN upgradable
- Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)

SIM card *(opt)*

Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card

Dimensions[3]

WxDxH: 13.34" x 9.23" x 0.95"; 339mm x 235mm x 24.3mm

Weight[2]

Models	*3-cell*	*6-cell*
Integrated model	4.25 lb / 1.93 kg	4.45 lb / 2.02 kg
discrete model	4.3 lb / 1.95 kg	4.5 lb / 2.04 kg

Case material

PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic

Smart card reader

Optional: Smart card reader

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector (integrated models only)

Camera *(optional)*

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Realtek® ALC3245 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine

Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: Swipe style fingerprint reader on the keyboard bezel

Battery

Li-Ion 3-cell *(23Wh)* or 6-cell *(48Wh or 72Wh)*

Max battery life[10] (*MobileMark® 2014*)

Models	*3-cell*	*6-cell 48Wh*	*6-cell 72Wh*
Max battery life	6.93 hr	12.7 hr	20.53 hr

AC adapter

45W or 65W AC adapter

Preload

Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12]

One of the following, configurable by model:
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

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January 2017

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FU0014US	US	i5-6200U	No	Intel HD 520	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FU0015US	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	01/16
20FU0017US	US	i3-6100U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	01/16
20FU0018US	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FU001BUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	01/16
20FU001CUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FU001DUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	01/16
20FU001EUS	US	i3-6100U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FU001GUS	US	i3-6100U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FU001HUS	US	i3-6100U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	01/16
20FU0024US	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FU0025US	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	01/16
20FU0026US	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	01/16
20FU0027US	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FU0028US	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FU0029US	US	i5-6200U	No	AMD Exo Pro R5 2GB	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	65W	Win10 Pro 64	1-year, Depot	02/16
20FU002AUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20FU002BUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	02/16
20FU003PUS	US	i3-6100U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	10/16
20FU003QUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FU003RUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	10/16
20FU003SUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	10/16
20FU003TUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	10/16
20FU003UUS	US	i3-6100U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	10/16
20FU004GUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	11/16
20FU004HUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FU004JUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/16
20FU004LUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	11/16

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ThinkPad L560 Platform Specifications

Processor — Intel® Celeron® processor or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel 3855U	2	2	1.6 GHz	-	2MB	DDR3L-1600	Intel HD graphics 510
i3-6006U		4	2.0 GHz	-	3MB		Intel HD graphics 520
i3-6100U			2.3 GHz	-	3MB		
i5-6200U			2.3 GHz	2.8 GHz	3MB		
i5-6300U			2.4 GHz	3.0 GHz	3MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

Graphics — Intel HD Graphics 510 or 520 in processor,
supports external analog monitor via VGA and digital monitor via Mini DisplayPort;
supports three independent displays;
Max resolution: 3840x2160@60Hz (DP via mDP cable); 1920x1200@60Hz (VGA)

Chipset — Intel SoC (System on Chip) platform

Memory — 16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity,
dual-channel capable, two DDR3L SO-DIMM sockets

Display — *Some:* 15.6" (396mm) HD (1366x768), anti-glare, LED backlight,
220 nits, 16:9 aspect ratio, 350:1 contrast ratio
Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS,
250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 160° viewing angle

Multi-touch — None

Storage — *Some:* SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high,
Shock Mounted Hard Drive, Active Protection System™
Some: SSHD with 8GB NAND flash memory

Optical *(optional)* — DVD burner, 9mm high, fixed, not removable, tray-in

Ethernet — *Non-vPro model:* Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4] — *One of the following, configurable by model:*
- 11ac+BT, Broadcom BCM4356, 2x2, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card

Bluetooth™ — Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)* — *One of the following, configurable by model:*
- Wireless WAN upgradable
- Wireless WAN, Sierra Wireless EM7455,
Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S,
HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)

SIM card *(opt)* — Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card

Dimensions[3] — *WxDxH:* 14.84" x 9.75" x 1.08-1.21"; 377mm x 255mm x 27.6-30.85mm

Weight[2] — from 5.25 lb / 2.38 kg

Case material — PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic

ExpressCard *(opt)* — One slot (ExpressCard/34)

Smart card reader — *Optional:* Smart card reader

Media reader — 4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports — *Cel 3855U model:* three USB 3.0, one USB 2.0 Always On;
Other model: four USB 3.0 (one Always On),
All: VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector

Camera *(optional)* — HD720p resolution, low light sensitive, fixed focus

Audio support — HD Audio, Realtek® ALC3245 codec / stereo speakers, 1.5W x 2 /
dual array microphone, combo audio/microphone jack

Keyboard — 6-row, spill-resistant, multimedia Fn keys, numeric keypad

UltraNav™ — TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad

Security — Power-on password, hard disk password, supervisor password, security keyhole

Security chip — Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine — Delivers improved thermal and power efficiency, up to 30 day standby,
faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)* — Intel vPro Technology

Fingerprint reader — *Optional:* Swipe style fingerprint reader on the palm rest

Battery — Li-Ion 6-cell *(48Wh)*

Max battery life[10] — *MobileMark® 2014:* 11.2 hr

AC adapter — 45W AC adapter

Preload — Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12] — *One of the following, configurable by model:*
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test — MIL-STD-810G military certification

Environment — EPEAT™ Gold (US); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Express-Card	Camera	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20F1000PUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	02/16
20F1000QUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	02/16
20F1000RUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	02/16
20F1000SUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	02/16
20F1000TUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	02/16
20F1000UUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	02/16
20F1000VUS	US	i5-6200U	No	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	02/16
20F1000WUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	02/16
20F1000XUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	02/16
20F1001MUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20F1001NUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20F1001PUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20F1001QUS	US	i5-6200U	No	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20F1001RUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20F1001SUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	192GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20F1001TUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20F1001UUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20F1001VUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20F1002AUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	04/16
20F1002BUS	US	i5-6200U	No	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	04/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Express-Card	Camera	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20F1002CUS	US	i5-6200U	No	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	04/16
20F1002DUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Non-backlit	Fingerprint Reader	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	04/16
20F1003PUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/16
20F1003QUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/16
20F1003RUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	11/16
20F1003SUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	11/16
20F1003TUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/16
20F1003UUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	11/16
20F1003VUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	11/16
20F1003WUS	US	i3-6100U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	11/16
20F1004AUS	US	i3-6006U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	12/16
20F1004BUS	US	i3-6006U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	12/16
20F1004CUS	US	i3-6006U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	12/16
20F1004DUS	US	i3-6006U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	12/16

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ThinkPad P50 Platform Specifications

Processor

6th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v5 Family

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i7-6700HQ	4	8	2.6 GHz	3.5 GHz	6MB	DDR4-2133	Intel HD Graphics 530
i7-6820HQ			2.7 GHz	3.6 GHz	8MB		
E3-1505M v5			2.8 GHz	3.7 GHz	8MB		Intel HD Graphics P530
E3-1535M v5			2.9 GHz	3.8 GHz	8MB		

Graphics

Intel HD Graphics 530 or P530 in processor and
NVIDIA Quadro® M1000M (2GB or 4GB memory) or M2000M (4GB memory);
supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™;
supports four independent displays;
Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable);
3840x2160@60Hz (Thunderbolt); 3840x2160@30Hz (HDMI)

Chipset

Mobile Intel CM236 Chipset (Intel GL82CM236 PCH)

Memory

64GB max[7] / 2133MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets

Display

Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 45% gamut, 160° viewing angle
Some: 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% gamut, 178° viewing angle

Multi-touch *(opt)*

Capacitive-type multi-touch, supports 10-finger gesture, 220 nits

Pen *(optional)*

ThinkPad Pen Pro, active pen for multi-touch display

Storage

Up to 3 drives (two M.2 SSD and one HDD)
Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Shock Mounted Hard Drive, Active Protection System™

Optical

None

Ethernet

Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4]

11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*

Wireless WAN, Sierra Wireless EM7455,
Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card

SIM card

Micro-SIM card slot

Dimensions[3]

WxDxH: 14.86" x 9.93" x 0.96-1.16"; 377.4mm x 252.3mm x 24.5-29.4mm
WxDxH(Touch): 14.86" x 9.93" x 1.02-1.21"; 377.4mm x 252.3mm x 25.8-30.7mm

Weight[2]

Models	*4-cell*	*6-cell*
Non-touch	5.6 lb / 2.55kg	5.9 lb / 2.67kg
Multi-touch	6.2 lb / 2.82kg	6.4 lb / 2.90kg

Case material

Display cover: Glass-Fiber Reinforced Plastic;
Bottom: Magnesium/Aluminum

Smart card reader

Optional: Smart card reader

ExpressCard

One slot (ExpressCard/34)

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card

Ports

Four USB 3.0 (one Always On), USB Type-C / Thunderbolt 3, Mini DisplayPort, HDMI, Ethernet (RJ-45), Dock connector

Camera *(optional)*

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Realtek® ALC3268 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight

UltraNav™

3-button TrackPoint® pointing device and
3-button crystal silk surface multi-touch touchpad

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine

Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Touch style fingerprint reader on the palm rest

Color calibration

Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest

Battery

Lithium Polymer 4-cell *(66Wh)* or 6-cell *(90Wh)*

Max battery life[10] (*MobileMark® 2014*)

Model	*4-cell*	*6-cell*
Discrete Graphics	7.1 hr	9.7 hr
Hybrid Graphics	9.6 hr	13.2 hr

AC adapter

170W AC adapter

Preload

Some: Genuine Windows® 7 Professional 64
Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

For ISV certifications, please visit www.lenovo.com/support/ISV

Limited warranty[12]

One of the following, configurable by model:

- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Color Calibrator	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20EN0012US	US	i7-6700HQ	No	M1000M 2GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN0013US	US	i7-6700HQ	No	M1000M 2GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN0014US	US	i7-6700HQ	No	M1000M 2GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN0015US	US	i7-6700HQ	No	M1000M 2GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN0016US	US	i7-6820HQ	vPro	M1000M 2GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN0017US	US	i7-6820HQ	vPro	M1000M 2GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN0018US	US	i7-6820HQ	vPro	M1000M 2GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN0019US	US	i7-6820HQ	vPro	M1000M 2GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN001AUS	US	i7-6820HQ	vPro	M2000M 4GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN001BUS	US	i7-6820HQ	vPro	M2000M 4GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN001CUS	US	i7-6820HQ	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN001DUS	US	i7-6820HQ	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	None	None	500GB 7200rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN001EUS	US	i7-6820HQ	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN001FUS	US	i7-6820HQ	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN001GUS	US	i7-6700HQ	No	M1000M 2GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	500GB 7200rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN001HUS	US	i7-6700HQ	No	M1000M 2GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN001JUS	US	i7-6820HQ	vPro	M1000M 2GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	500GB 7200rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN001KUS	US	i7-6820HQ	vPro	M1000M 2GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN001LUS	US	i7-6820HQ	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN001MUS	US	i7-6820HQ	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Color Calibrator	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20EN001NUS	US	Xeon E3-1505M v5	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN001PUS	US	Xeon E3-1505M v5	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN001QUS	US	Xeon E3-1505M v5	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN001RUS	US	Xeon E3-1505M v5	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN001SUS	US	Xeon E3-1505M v5	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN001TUS	US	Xeon E3-1505M v5	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN002FUS	US	i7-6700HQ	No	M1000M 2GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN002GUS	US	i7-6700HQ	No	M1000M 2GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN002HUS	US	i7-6700HQ	No	M1000M 2GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN002JUS	US	i7-6700HQ	No	M1000M 2GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN002KUS	US	i7-6820HQ	vPro	M1000M 2GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN002LUS	US	i7-6820HQ	vPro	M1000M 2GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN002MUS	US	i7-6820HQ	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20EN002NUS	US	i7-6820HQ	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN002PUS	US	Xeon E3-1505M v5	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN002QUS	US	i7-6820HQ	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	11/15
20EN003LUS	US	i7-6820HQ	vPro	M1000M 4GB	8GBx4 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	07/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Color Calibrator	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20EQ002DUS	US	Xeon E3-1505M v5	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Onsite	08/16
20EQ002EUS	US	i7-6700HQ	No	M1000M 4GB	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Onsite	08/16
20EQ002FUS	US	Xeon E3-1505M v5	vPro	M2000M 4GB	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Onsite	08/16

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ThinkPad P50s Platform Specifications

Processor

6th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-6300U	2	4	2.4 GHz	3 GHz	3MB	DDR3L-1600	Intel HD Graphics 520
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

Graphics

Intel HD Graphics 520 in processor and NVIDIA Quadro® M500M (2GB memory);
supports external digital monitor via HDMI or Mini DisplayPort;
supports three independent displays;
Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable);
4096x2160@24Hz (HDMI)

Chipset

Intel SoC (System on Chip) platform

Memory

32GB max[7] / PC3-12800 1600MHz DDR3L, non-parity,
dual-channel capable, two DDR3L SO-DIMM sockets

Display

Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS,
250 nits, 16:9 aspect ratio, 400:1 or 500:1 contrast ratio, 160° viewing angle
Some: 15.5" (394mm) 3K (2880x1620), anti-glare, LED backlight, IPS,
350 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 160° viewing angle

Multi-touch *(opt)*

In-cell touch, supports 10-finger gesture

Storage

Some: SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
Some: SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxG SSD PCIe NVMe)
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high,
Shock Mounted Hard Drive, Active Protection System™
Some: SSHD with 8GB NAND flash memory

Optical

None

Ethernet

Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4]

One of the following, configurable by model:

- 11ac+BT, Broadcom BCM4356, 2x2, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*

One of the following, configurable by model:

- Wireless WAN upgradable
- Wireless WAN, Sierra Wireless EM7455,
  Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S,
  HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)

SIM card *(opt)*

Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card

Dimensions[3]

WxDxH: 14.98" x 10.17" x 0.88"; 380.6mm x 258.2mm x 22.45mm

Weight[2]

Models	*No + 6-cell*	*3-cell + 3-cell*	*3-cell + 6-cell*
Non-touch	5.27 lb / 2.39 kg	4.97 lb / 2.25 kg	5.44 lb / 2.47 kg
Multi-touch	-	5.00 lb / 2.27 kg	5.42 lb / 2.46 kg

Case material

Display cover: PPS; *Bottom:* Glass-Fiber Reinforced Plastic

Smart card reader

Optional: Smart card reader

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), MiniDP, HDMI, Ethernet (RJ-45), Dock connector

Camera *(optional)*

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Realtek® ALC3245 codec / stereo speakers, 1W x 2 /
dual array microphone, combo audio/microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight

UltraNav™

TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine

Delivers improved thermal and power efficiency, up to 30 day standby,
faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: Swipe style fingerprint reader on the palm rest

Internal battery

Optional: Integrated Li-Polymer 3-cell *(44Wh)*

External battery

Li-Ion or Li-Polymer 3-cell *(23Wh)* or Li-Ion 6-cell *(48Wh or 72Wh)*

Max battery life[10] (*MobileMark® 2014*)

Models	*3 + 3-cell*	*3 + 6-cell 48Wh*	*3 + 6-cell 72Wh*
Max battery life	12.0 hr	16.3 hr	20.5 hr

AC adapter

65W Slim AC adapter or 65W AC adapter

Preload

Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded;
  purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded;
  purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

For ISV certifications, please visit www.lenovo.com/support/ISV

Limited warranty[12]

One of the following, configurable by model:

- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FL000GUS	US	i7-6500U	No	M500M 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FL000HUS	US	i5-6300U	vPro	M500M 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	None + 6-cell(72Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FL000JUS	US	i7-6500U	No	M500M 2GB	8GBx1	15.5" 3K (2880x1620) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FL000KUS	US	i7-6500U	No	M500M 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FL000LUS	US	i7-6500U	No	M500M 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB 5400rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	None + 6-cell(48Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FL000MUS	US	i7-6500U	No	M500M 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FL000NUS	US	i7-6600U	vPro	M500M 2GB	8GBx2	15.5" 3K (2880x1620) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FL0014US	US	i5-6300U	vPro	M500M 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	None	3-cell(44Wh) + 6-cell(72Wh)	65W	Win10 Pro 64	3-year, Depot	08/16
20FL0015US	US	i7-6500U	No	M500M 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB 5400rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	None	3-cell(44Wh) + 6-cell(72Wh)	65W	Win10 Pro 64	3-year, Depot	08/16
20FL0016US	US	i7-6500U	No	M500M 2GB	8GBx1	15.5" 3K (2880x1620) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	None	3-cell(44Wh) + 6-cell(72Wh)	65W	Win10 Pro 64	3-year, Depot	08/16
20FL0017US	US	i7-6500U	No	M500M 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	None	3-cell(44Wh) + 6-cell(72Wh)	65W	Win10 Pro 64	3-year, Depot	08/16
20FL0018US	US	i7-6500U	No	M500M 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	None	3-cell(44Wh) + 6-cell(72Wh)	65W	Win10 Pro 64	3-year, Depot	08/16
20FL0019US	US	i7-6500U	No	M500M 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	None	3-cell(44Wh) + 6-cell(72Wh)	65W	Win10 Pro 64	3-year, Depot	08/16
20FL001AUS	US	i7-6600U	vPro	M500M 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	None	3-cell(44Wh) + 6-cell(72Wh)	65W	Win10 Pro 64	3-year, Depot	08/16
20FL001BUS	US	i7-6500U	No	M500M 2GB	16GBx1	15.5" 3K (2880x1620) IPS	None	1TB 5400rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	None	3-cell(44Wh) + 6-cell(72Wh)	65W	Win10 Pro 64	3-year, Depot	08/16

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ThinkPad P70 Platform Specifications

Processor — 6th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v5 Family

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i7-6700HQ	4	8	2.6 GHz	3.5 GHz	6MB	DDR4-2133	Intel HD Graphics 530
i7-6820HQ			2.7 GHz	3.6 GHz	8MB		
E3-1505M v5			2.8 GHz	3.7 GHz	8MB		Intel HD Graphics P530
E3-1575M v5			3 GHz	3.9 GHz			Intel Iris™ Pro Graphics P580

Graphics — Intel HD Graphics 530, Intel HD Graphics P530, or Intel Iris™ Pro Graphics P580 in processor and NVIDIA Quadro® M600M (2GB memory), M3000M (4GB memory), M4000M (4GB memory), or M5000M (8GB memory); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports five independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 3840x2160@30Hz (HDMI)

Chipset — Mobile Intel CM236 Chipset (Intel GL82CM236 PCH)

Memory — 64GB max[7] / 2133MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets

Display
- *Some:* 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 72% gamut, 170° viewing angle
- *Some:* 17.3" (439mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 90% gamut, 170° viewing angle

Multi-touch *(opt)* — Capacitive-type multi-touch, supports 10-finger gesture, 270 nits

Pen *(optional)* — ThinkPad Pen Pro, active pen for multi-touch display

Storage — Up to 4 drives (two M.2 SSD and two HDD, one of which is in the optical bay)
- *Some:* M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
- *Some:* M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)
- *Some:* HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Shock Mounted Hard Drive, Active Protection System™

Optical *(optional)* — DVD burner, 9.5mm high, fixed, tray-in

Ethernet
- *Non-vPro model:* Intel Ethernet Connection I219-V (Jacksonville)
- *vPro model:* Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4] — 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card

Bluetooth™ — Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)* — Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card

SIM card — Micro-SIM card slot

Dimensions[3]
- *WxDxH:* 16.38" x 10.85" x 1.18-1.35"; 416mm x 275.5mm x 29.9-34.2mm
- *WxDxH(Touch):* 16.38" x 10.85" x 1.20-1.37"; 416mm x 275.5mm x 30.6-34.9mm

Weight[2]
- *Non-touch model:* from 7.3 lb (3.3kg);
- *Multi-touch model:* from 8.1 lb (3.7kg)

Case material
- *Display cover:* Glass-Fiber + PPS;
- *Bottom:* Magnesium/Aluminum

Smart card reader — *Optional:* Smart card reader

ExpressCard — One slot (ExpressCard/34)

Media reader — 4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card

Ports — Four USB 3.0 (one Always On), two USB Type-C / Thunderbolt 3, Mini DisplayPort, HDMI, Ethernet (RJ-45), Dock connector

Camera *(optional)* — HD720p resolution, low light sensitive, fixed focus

Audio support — HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack

Keyboard — 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight

UltraNav™ — 3-button TrackPoint® pointing device and 3-button crystal silk surface multi-touch touchpad

Security — Power-on password, hard disk password, supervisor password, security keyhole

Security chip — Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine — Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)* — Intel vPro Technology

Fingerprint reader — Touch style fingerprint reader on the keyboard bezel

Color calibration — *Optional:* Pantone® color calibrator by X-Rite® color calibration sensor in palm rest

Battery — Li-Ion 8-cell *(96Wh)*

Max battery life[10] (*MobileMark® 2014*)

Mode	*Discrete Graphics*	*Hybrid Graphics*
Max battery life	8.5 hr	10.8 hr

AC adapter — 170W or 230W AC adapter

Preload
- *Some:* Genuine Windows® 7 Professional 64
- *Some:* Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

For ISV certifications, please visit www.lenovo.com/support/ISV

Limited warranty[12] *One of the following, configurable by model:*
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test — MIL-STD-810G military certification

Environment — EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Color Calibrator	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20ER000FUS	US	i7-6700HQ	No	M600M 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER000GUS	US	i7-6700HQ	No	M3000M 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER000HUS	US	i7-6820HQ	vPro	M600M 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER000JUS	US	i7-6820HQ	vPro	M3000M 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER000KUS	US	i7-6820HQ	vPro	M3000M 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	10-point Multi-touch	ThinkPad Pen Pro	256GB SSD M.2 Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER000LUS	US	Xeon E3-1505M v5	vPro	M600M 2GB	8GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20ER000MUS	US	Xeon E3-1505M v5	vPro	M3000M 4GB	8GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20ER000NUS	US	Xeon E3-1505M v5	vPro	M3000M 4GB	16GBx1 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Fingerprint Reader	X-Rite	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20ER000PUS	US	i7-6820HQ	vPro	M600M 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	10-point Multi-touch	ThinkPad Pen Pro	500GB 7200rpm	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	10/15
20ER000QUS	US	i7-6820HQ	vPro	M3000M 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	10-point Multi-touch	ThinkPad Pen Pro	256GB SSD M.2 Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	10/15
20ER000RUS	US	i7-6820HQ	vPro	M3000M 4GB	16GBx1 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Fingerprint Reader	X-Rite	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20ER000SUS	US	i7-6820HQ	vPro	M3000M 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER000TUS	US	i7-6700HQ	No	M600M 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER000UUS	US	i7-6700HQ	No	M3000M 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER000VUS	US	i7-6700HQ	No	M600M 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	Blank Bezel	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER000WUS	US	i7-6820HQ	vPro	M4000M 4GB	16GBx1 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	Blank Bezel	Intel 8260 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Fingerprint Reader	X-Rite	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20ER000XUS	US	Xeon E3-1505M v5	vPro	M4000M 4GB	16GBx1 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe	No	Blank Bezel	Intel 8260 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Fingerprint Reader	X-Rite	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	11/15
20ER000YUS	US	i7-6820HQ	vPro	M3000M 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER002FUS	US	i7-6700HQ	No	M600M 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	10/15
20ER002GUS	US	Xeon E3-1505M v5	vPro	M600M 2GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	10/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Color Calibrator	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20ER002HUS	US	Xeon E3-1505M v5	vPro	M3000M 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	10/15
20ER002JUS	US	i7-6820HQ	vPro	M3000M 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	10/15
20ER002KUS	US	i7-6700HQ	No	M600M 2GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	170W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER002LUS	US	i7-6820HQ	vPro	M3000M 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER002MUS	US	Xeon E3-1505M v5	vPro	M3000M 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 Opal2	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	None	8-cell (96Wh)	230W	Win10 DG Win7 Pro 64	3-year, Depot	10/15
20ER002NUS	US	i7-6700HQ	No	M600M 2GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	10/15
20ER003KUS	US	Xeon E3-1575M v5	vPro	M3000M 4GB	16GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe	No	Blank Bezel	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Fingerprint Reader	X-Rite	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	08/16

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ThinkPad T450 Platform Specifications

Processor — 4th Generation Intel® Core™ i3 / i5 or 5th Generation Intel Core i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-4030U	2	4	1.9 GHz	-	3MB	DDR3L-1600	Intel HD Graphics 4400
i5-4300U			1.9 GHz	2.9 GHz			
i3-5010U			2.1 GHz	-	3MB		Intel HD Graphics 5500
i5-5200U			2.2 GHz	2.7 GHz			
i5-5300U			2.3 GHz	2.9 GHz			
i7-5500U			2.4 GHz	3 GHz	4MB		
i7-5600U			2.6 GHz	3.2 GHz			

Graphics — Intel HD Graphics 4400 or 5500 in processor,
supports external analog monitor via VGA and digital monitor via Mini DisplayPort;
supports three independent displays;
Max resolution: 3840x2160@60Hz (DP via mDP cable); 1920x1200@60Hz (VGA)

Chipset — Intel SoC (System on Chip) platform

Memory — 16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity,
dual-channel capable, two 204-pin SO-DIMM sockets

Display
Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 350:1 contrast ratio
Some: 14.0" (355mm) HD+ (1600x900), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS

Multi-touch *(opt)* — Capacitive-type multi-touch, supports 10-finger gesture, 212.5 nits

Storage
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
Some: SSHD with 8GB NAND flash memory

M.2 SSD *(opt)* — Single-sided M.2 SSD, via M.2 card slot

Optical — None

Ethernet
Non-vPro model: Intel Ethernet Connection I218-V (Clarkville)
vPro model: Intel Ethernet Connection I218-LM (Clarkville)

Bluetooth™ — Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN[4] — *One of the following, configurable by model:*
- 11b/g/n, ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card
- 11b/g/n, Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card (WE only)
- 11a/b/g/n, Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card (WE only)
- 11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 card

WWAN *(optional)* — *One of the following, configurable by model:*
- Wireless WAN upgradable
- Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card (WE only)
- Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card

SIM card *(opt)* — AT&T® or Verizon® LTE (4G), contract required with service provider

Dimensions[3]
14.0" (WxDxH): 13.35" x 9.15" x 0.83"; 339mm x 232.5mm x 21mm
14.0" Touch (WxDxH): 13.35" x 9.15" x 0.91"; 339mm x 232.5mm x 23mm

Weight[2]

Models	*No + 3-cell*	*3-cell + 3-cell*	*3-cell + 6-cell*
Non-touch	3.58 lb / 1.63 kg	3.81 lb / 1.73 kg	4.21 lb / 1.91 kg
Multi-touch	3.89 lb / 1.76 kg	4.11 lb / 1.87 kg	4.52 lb / 2.05 kg

Case material
Display cover: Glass-Fiber Reinforced Plastic (non-touch model) or Carbon-Fiber Reinforced Plastic (multi-touch model);
Bottom: Glass-Fiber Reinforced Plastic

Smart card reader — *Optional:* Smart card reader

Media reader — 4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports — Three USB 3.0 (one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector (integrated models only)

Camera — HD720p resolution, low light sensitive, fixed focus

Audio support — HD Audio, Realtek® ALC3232 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack

Keyboard — 6-row, spill-resistant, multimedia Fn keys, optional LED backlight

UltraNav™ — TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Security — Power-on password, hard disk password, supervisor password, security keyhole

Security chip — Trusted Platform Module, TCG 1.2-compliant

ThinkEngine — Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)* — Intel vPro Technology

Fingerprint reader — *Optional:* Fingerprint reader on the keyboard bezel, swipe sensor

Internal battery — *Optional:* Integrated Li-Ion or Li-Polymer 3-cell *(23Wh)*

External battery — Li-Ion 3-cell *(23Wh)* or 6-cell *(48Wh or 72Wh)*

Max battery life[10]

Models	*3-cell + 3-cell*	*3-cell + 6-cell 48Wh*	*3-cell + 6-cell 72Wh*
Battery life	10.08 hr	14.78 hr	19.78 hr

AC adapter — 45W AC adapter, 65W Slim AC adapter, or 65W AC adapter

Preload — Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- PC Device Stage
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)

Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit
Some: Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo REACHit
- Lenovo Companion
- Microsoft Office preloaded; purchase a product key to activate
- Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model)
- McAfee® LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)

Limited warranty[12] — *One of the following, configurable by model:*
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Environment — EPEAT™ Gold (US) or EPEAT Silver (WE);
ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20BV0001US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BV0002US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BV0003US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BV0004US	US	i5-4300U	vPro	Intel HD 4400	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	04/15
20BV0005US	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20BV0006US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 Pro 64-bit	3-year, Depot	01/15
20BV0007US	US	i3-5010U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	11b/g/n, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20BV0008US	US	i5-4300U	vPro	Intel HD 4400	8GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	04/15
20BV0009US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	180GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BV000AUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BV000BUS	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	04/15
20BV000CUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	1-year, Depot	01/15
20BV000DUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BV000EUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	180GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BV000FUS	US	i5-4300U	vPro	Intel HD 4400	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	04/15
20BV000GUS	US	i5-4300U	vPro	Intel HD 4400	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	04/15
20BV005EUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BV005FUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20BV005GUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20BV005HUS	US	i7-5600U	vPro	Intel HD 5500	8GBx2	14" HD+ (1600x900)	10-point Multi-touch	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20BV005JUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	1-year, Depot	09/15
20BV005KUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BV005LUS	US	i7-5600U	vPro	Intel HD 5500	8GBx2	14" FHD (1920x1080) IPS	None	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20BV005MUS	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	1-year, Depot	09/15
20BV005NUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BV005PUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BV005QUS	US	i7-5600U	vPro	Intel HD 5500	8GBx2	14" FHD (1920x1080) IPS	None	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BV005RUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BV005SUS	US	i7-5600U	vPro	Intel HD 5500	8GBx2	14" HD+ (1600x900)	10-point Multi-touch	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BV0061US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20BV0062US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20BV0063US	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	09/15
20BV0064US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	09/15
20BV0065US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20BU0000US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	None + 6-cell(48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BU0001US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite, OID	01/15
20BU0002US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	None + 6-cell(48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite, OID	01/15
20BU0003US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite, OID	01/15
20BU0004US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 Pro 64-bit	3-year, Onsite, OID	01/15
20BU0005US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	180GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite, OID	01/15
20BU0006US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	None + 6-cell(48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BU0007US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite, OID	01/15
20BU0008US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 Pro 64-bit	3-year, Depot	01/15
20BU0009US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BU000AUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BU000BUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite, OID	01/15
20BU000CUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BU000DUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BU000EUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	None + 6-cell(48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite, OID	01/15
20BU000FUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite, OID	01/15
20BU000GUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	180GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BU000HUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20BU00C4US	US	i5-5200U	No	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15
20BU00C5US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	08/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20BU00C6US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20BU00C7US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20BU00C8US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20BU00CMUS	US	i7-5600U	vPro	Intel HD 5500	8GBx2	14" HD+ (1600x900)	10-point Multi-touch	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BU00CNUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BU00CPUS	US	i7-5600U	vPro	Intel HD 5500	8GBx2	14" HD+ (1600x900)	10-point Multi-touch	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20BU00CQUS	US	i7-5600U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BU00CRUS	US	i7-5600U	vPro	Intel HD 5500	8GBx2	14" FHD (1920x1080) IPS	None	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20BU00CSUS	US	i7-5600U	vPro	Intel HD 5500	8GBx2	14" FHD (1920x1080) IPS	None	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BU00CTUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20BU00CUUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BU00CVUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	14" HD+ (1600x900)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20BU00CWUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15

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ThinkPad T460 Platform Specifications

Processor — 6th Generation Intel® Core™ i3 / i5 / i7 Processor (i7-6500U for discrete models only)

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-6100U	2	4	2.3 GHz	-	3MB	DDR3L-1600	Intel HD graphics 520
i5-6200U			2.3 GHz	2.8 GHz	3MB		
i5-6300U			2.4 GHz	3.0 GHz	3MB		
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

Graphics — Intel HD Graphics 520 in processor only, or
Intel HD Graphics 520 in processor and NVIDIA GeForce® 940MX, 2GB memory (discrete graphics is only available in US);
supports external digital monitor via HDMI or Mini DisplayPort;
supports three independent displays;
Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable);
1920x1080@60Hz (HDMI)

Chipset — Intel SoC (System on Chip) platform

Memory — 32GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two DDR3L SO-DIMM sockets

Display — *Some:* 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 350:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle

Multi-touch *(opt)* — In-cell touch, supports 10-finger gesture, 250 nits

Storage — *Some:* SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
Some: SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxG SSD PCIe NVMe)
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Shock Mounted Hard Drive, Active Protection System™
Some: SSHD with 8GB NAND flash memory (WE only)

Optical — None

Ethernet — *Non-vPro model:* Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4] — *One of the following, configurable by model (WiGig can coexist with WWAN):*
- 11ac+BT, Broadcom BCM4356, 2x2, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card
- WiGig™+11ac+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 card

Bluetooth™ — Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)* — *One of the following, configurable by model (WWAN can coexist with WiGig):*
- Wireless WAN upgradable
- Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)

SIM card *(opt)* — Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card

Dimensions[3] — *WxDxH:* 13.35" x 9.15" x 0.83"; 339mm x 232.5mm x 21mm

Weight[2]

Models	*No + 6-cell*	*3-cell + 3-cell*	*3-cell + 6-cell*
Integrated Non-touch	3.84 lb / 1.74 kg	3.82 lb / 1.73 kg	4.13 lb / 1.87 kg
Integrated Multi-touch	3.91 lb / 1.77 kg	3.88 lb / 1.76 kg	4.20 lb / 1.90 kg
Discrete Non-touch	3.86 lb / 1.75 kg	3.90 lb / 1.77 kg	4.22 lb / 1.91 kg
Discrete Multi-touch	3.93 lb / 1.78 kg	3.97 lb / 1.80 kg	4.28 lb / 1.94 kg

Case material — Glass-Fiber Reinforced Plastic

Smart card reader — *Optional:* Smart card reader

Media reader — 4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports — Three USB 3.0 (one Always On), MiniDP, HDMI, Ethernet (RJ-45), Dock connector

WiGig dock *(opt)* — WiGig dock, coexists with WWAN (WE only)

Camera *(optional)* — HD720p resolution, low light sensitive, fixed focus

Audio support — HD Audio, Realtek® ALC3245 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack

Keyboard — 6-row, spill-resistant, multimedia Fn keys, optional LED backlight

UltraNav™ — TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad

Security — Power-on password, hard disk password, supervisor password, security keyhole

Security chip — Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine — Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)* — Intel vPro Technology

Fingerprint reader — *Optional:* Swipe style fingerprint reader on the keyboard bezel

Internal battery — *Optional:* Integrated Li-Ion or Li-Polymer 3-cell *(23Wh)*

External battery — Li-Ion 3-cell *(23Wh)* or 6-cell *(48Wh or 72Wh)*

Max battery life (*MobileMark® 2014*)

Models	*6-cell 48Wh*	*6-cell 72Wh*	*3 + 3-cell*	*3 + 6-cell 48Wh*	*3 + 6-cell 72Wh*
Integrated model	10.8 hr	15.3 hr	10.4 hr	15.1 hr	20.2 hr
discrete model	10.5 hr	15 hr	10.1 hr	14.7 hr	19.7 hr

AC adapter — 45W or 65W Slim AC adapter

Preload — Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12] — *One of the following, configurable by model:*
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test — MIL-STD-810G military certification

Environment — EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FN002JUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN002KUS	US	i7-6600U	vPro	Intel HD 520	8GBx2	14" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN002LUS	US	i7-6600U	vPro	Intel HD 520	8GBx2	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN002MUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN002NUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN002PUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	01/16
20FN002QUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN002RUS	US	i7-6600U	vPro	Intel HD 520	8GBx2	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	01/16
20FN002SUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	01/16
20FN002TUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	01/16
20FN002UUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN002VUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN003CUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" HD (1366x768)	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN003DUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN003EUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	240GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN003FUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN003RUS	US	i5-6200U	No	Intel HD 520	4GBx2	14" HD (1366x768)	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN003SUS	US	i5-6200U	No	Intel HD 520	4GBx2	14" FHD (1920x1080) IPS	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN003TUS	US	i5-6300U	vPro	Intel HD 520	4GBx2	14" FHD (1920x1080) IPS	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FN003UUS	US	i5-6300U	vPro	Intel HD 520	4GBx2	14" FHD (1920x1080) IPS	None	240GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FN004UUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/16
20FN004VUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	1-year, Depot	08/16
20FN0056US	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	10/16
20FN0057US	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	1-year, Depot	10/16
20FN0059US	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	10/16
20FN005AUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	None	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	1-year, Depot	10/16
20FN005BUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FN005CUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FN005DUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FN005EUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FN005FUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FN005GUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	12/16
20FN005HUS	US	i5-6200U	No	Intel HD 520	4GBx2	14" FHD (1920x1080) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	12/16
20FN005JUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	12/16
20FN005KUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	1-year, Depot	12/16
20FN005LUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	1-year, Depot	12/16
20FN005MUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	1-year, Depot	12/16
20FNA04PUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/16

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ThinkPad T460p Platform Specifications

Processor

6th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-6300HQ	4	4	2.3 GHz	3.2 GHz	6MB	DDR4-2133	Intel HD Graphics 530
i5-6440HQ			2.6 GHz	3.5 GHz			
i7-6700HQ		8	2.6 GHz	3.5 GHz	6MB		
i7-6820HQ			2.7 GHz	3.6 GHz	8MB		

Graphics

Intel HD Graphics 530 in processor only, or
Intel HD Graphics 530 in processor and NVIDIA GeForce® 940MX, 2GB memory; supports external digital monitor via HDMI or Mini DisplayPort; supports three independent displays;
Max resolution: 4096x2304@60Hz (DisplayPort via Mini DisplayPort cable); 4096x2160@24Hz (HDMI)

Chipset

Mobile Intel QM170 Chipset

Memory

32GB max[7] / 2133MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets

Display

Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 160° viewing angle
Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 or 800:1 contrast ratio, 160° viewing angle

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
Some: SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxG SSD PCIe NVMe)
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Shock Mounted Hard Drive, Active Protection System™

Optical

None

Ethernet

Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4]

One of the following, configurable by model:
- 11ac+BT, Broadcom BCM4356, 2x2, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*

One of the following, configurable by model:
- Wireless WAN upgradable
- Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)

SIM card *(opt)*

Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card

Dimensions[3]

WxDxH: 13.54" x 9.41" x 0.96"; 344mm x 239mm x 24.4mm

Weight[2]

Models	*3-cell*	*6-cell*
Integrated model	3.99 lb / 1.81 kg	4.70 lb / 2.13 kg
discrete model	4.04 lb / 1.83 kg	4.75 lb / 2.15 kg

Case material

Display cover: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic;
Bottom: Magnesium alloy

Smart card reader

Optional: Smart card reader

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), MiniDP, HDMI, Ethernet (RJ-45), Dock connector

Camera *(optional)*

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Realtek® ALC3245 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, LED backlight

UltraNav™

TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine

Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: Touch style fingerprint reader on the keyboard bezel

Battery

Li-Ion 3-cell *(23Wh)* or 6-cell *(48Wh or 72Wh)*

Max battery life[10] **(*MobileMark® 2014*)**

Models	*3-cell*	*6-cell 48Wh*	*6-cell 72Wh*
Integrated model	4.34 hr	8.58 hr	13 hr
discrete model	4.1 hr	8.5 hr	13 hr

AC adapter

90W or 135W AC adapter

Preload

Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12]

One of the following, configurable by model:
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FW000SUS	US	i5-6440HQ	vPro	Intel HD 530	8GBx1	14" FHD (1920x1080) IPS	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell (23Wh)	90W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20FW000TUS	US	i7-6820HQ	vPro	940MX 2GB	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	6-cell (48Wh)	135W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20FW000UUS	US	i5-6440HQ	vPro	Intel HD 530	8GBx1	14" FHD (1920x1080) IPS	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	6-cell (72Wh)	90W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20FW000VUS	US	i5-6440HQ	vPro	Intel HD 530	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	6-cell (48Wh)	90W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20FW000WUS	US	i7-6820HQ	vPro	940MX 2GB	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	6-cell (48Wh)	135W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20FW002DUS	US	i5-6440HQ	vPro	Intel HD 530	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	720p	Backlit	Fingerprint Reader	6-cell (48Wh)	90W	Win10 Pro 64	3-year, Depot	03/16
20FW003QUS	US	i5-6440HQ	vPro	940MX 2GB	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	04/16
20FW003RUS	US	i5-6440HQ	vPro	940MX 2GB	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	6-cell (48Wh)	135W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20FW003SUS	US	i5-6440HQ	vPro	940MX 2GB	8GBx1	14" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	6-cell (48Wh)	135W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20FW003TUS	US	i5-6440HQ	vPro	940MX 2GB	8GBx1	14" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	04/16
20FW0054US	US	i5-6440HQ	vPro	Intel HD 530	8GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	6-cell (48Wh)	90W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FW0055US	US	i5-6440HQ	vPro	Intel HD 530	8GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell (23Wh)	90W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FW0056US	US	i5-6440HQ	vPro	Intel HD 530	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell (23Wh)	90W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FW0057US	US	i7-6820HQ	vPro	940MX 2GB	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	12/16

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ThinkPad T460s Platform Specifications

Processor — 6th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR4-2133	Intel HD Graphics 520
i5-6300U			2.4 GHz	3 GHz	3MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

Graphics — Intel HD Graphics 520 in processor only, or
Intel HD Graphics 520 in processor and NVIDIA GeForce® 930M, 2GB memory (discrete graphics is only available in US);
supports external digital monitor via HDMI or Mini DisplayPort;
supports three independent displays;
Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable);
4096x2160@24Hz (HDMI)

Chipset — Intel SoC (System on Chip) platform

Memory — 20GB or 24GB max[7] / 2133MHz DDR4, dual-channel capable,
4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM socket

Display — *Some:* 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle
Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle

Multi-touch *(opt)* — In-cell touch, supports 10-finger gesture, 250 nits

Storage — *Some:* M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)

Optical — None

Ethernet — *Non-vPro model:* Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4] — *One of the following, configurable by model (WiGig is mutually exclusive with WWAN):*
- 11ac+BT, Broadcom BCM4356, 2x2, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card
- WiGig™+11ac+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 card

Bluetooth™ — Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)* — *One of the following, configurable by model (mutually exclusive with WiGig):*
- Wireless WAN upgradable
- Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)

SIM card *(opt)* — Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card

Dimensions[3] — *WxDxH:* 13.03" x 8.93" x 0.67-0.74"; 331mm x 226.8mm x 16.9-18.8mm

Weight[2] — *Integrated model:* from 3.0 lb (1.36kg); *Discrete model:* from 3.3 lb (1.50kg)

Case material — *Display cover:* Carbon-Fiber Reinforced Plastic;
Bottom: Magnesium alloy

Smart card reader — *Optional:* Smart card reader

Media reader — 4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports — Three USB 3.0 (one Always On), MiniDP, HDMI, Ethernet (RJ-45), Dock connector

WiGig dock *(opt)* — WiGig dock, mutually exclusive with WWAN

Camera *(optional)* — HD720p resolution, low light sensitive, fixed focus

Audio support — HD Audio, Realtek® ALC3245 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack

Keyboard — 6-row, spill-resistant, multimedia Fn keys, optional LED backlight

UltraNav™ — TrackPoint® pointing device and buttonless crystal silk surface multi-touch touchpad

Security — Power-on password, hard disk password, supervisor password, security keyhole

Security chip — Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine — Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)* — Intel vPro Technology

Fingerprint reader — *Optional:* Touch style fingerprint reader on the palm rest

Internal battery — Front Li-Polymer 3-cell *(23Wh)* and rear Li-Ion 3-cell *(26Wh)*, both Integrated

Max battery life[10] — *MobileMark® 2014:* up to 10.5 hr

AC adapter — 45W or 65W AC adapter

Preload — Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12] — *One of the following, configurable by model:*
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test — MIL-STD-810G military certification

Environment — EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory (Soldered +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Camera	Keyboard	Fingerprint Reader	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20F90017US	US	i5-6200U	No	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	10/16
20F90018US	US	i5-6200U	No	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/16
20F90019US	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/16
20F9001CUS	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/16
20F9001DUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F90033US	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F90034US	US	i5-6300U	vPro	Intel HD 520	4GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F90035US	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F90036US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F90037US	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F90038US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/16
20F90039US	US	i5-6200U	No	Intel HD 520	4GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	02/16
20F9003AUS	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F9003BUS	US	i5-6300U	vPro	Intel HD 520	4GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F9003CUS	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F9003DUS	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F9003EUS	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F9003FUS	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/16
20F9003GUS	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F9003HUS	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16

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Model	Region	Processor	vPro	Graphics	Memory (Soldered +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Camera	Keyboard	Fingerprint Reader	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20F9003JUS	US	i5-6300U	vPro	Intel HD 520	4GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F9004DUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/16
20F9004EUS	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/16
20F9004FUS	US	i5-6200U	No	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F9004GUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/16
20F9004JUS	US	i5-6200U	No	Intel HD 520	4GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	1-year, Depot	02/16
20F9004LUS	US	i5-6200U	No	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/16
20F9004MUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F9004NUS	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/16
20F9004PUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20F9005AUS	US	i7-6600U	vPro	Intel HD 520	4GB + 16GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	03/16
20F9005BUS	US	i7-6600U	vPro	Intel HD 520	4GB + 16GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F9005DUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	04/16
20F9005EUS	US	i5-6300U	vPro	930M 2GB	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F9005FUS	US	i7-6600U	vPro	930M 2GB	8GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F9005GUS	US	i5-6300U	vPro	930M 2GB	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	65W	Win10 Pro 64	3-year, Depot	04/16
20F9005HUS	US	i7-6600U	vPro	930M 2GB	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	65W	Win10 Pro 64	3-year, Depot	04/16
20F9005JUS	US	i7-6600U	vPro	930M 2GB	8GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	65W	Win10 Pro 64	3-year, Depot	04/16
20F9005KUS	US	i7-6600U	vPro	930M 2GB	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F9005LUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16

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Model	Region	Processor	vPro	Graphics	Memory (Soldered +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Camera	Keyboard	Fingerprint Reader	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20F9006XUS	US	i5-6200U	No	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/16
20F9006YUS	US	i5-6200U	No	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	10/16
20F90076US	US	i5-6200U	No	Intel HD 520	4GB + 4GB	14" WQHD (2560x1440) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/16
20F90077US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	11/16

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ThinkPad T560 Platform Specifications

Processor

6th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR3L-1600	Intel HD Graphics 520
i5-6300U			2.4 GHz	3 GHz	3MB		
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

Graphics

Intel HD Graphics 520 in processor only, or
Intel HD Graphics 520 in processor and NVIDIA GeForce® 940MX, 2GB memory; supports external digital monitor via HDMI or Mini DisplayPort; supports three independent displays;
Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 4096x2160@24Hz (HDMI)

Chipset

Intel SoC (System on Chip) platform

Memory

32GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two DDR3L SO-DIMM sockets

Display

Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits,16:9 aspect ratio, 400:1 contrast ratio
Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 160° viewing angle
Some: 15.5" (394mm) 3K (2880x1620), anti-glare, LED backlight, IPS, 350 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 160° viewing angle

Multi-touch *(opt)*

In-cell touch, supports 10-finger gesture

Storage

Some: SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
Some: SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxG SSD PCIe NVMe)
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Shock Mounted Hard Drive, Active Protection System™
Some: SSHD with 8GB NAND flash memory

Optical

None

Ethernet

Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4]

One of the following, configurable by model:
- 11ac+BT, Broadcom BCM4356, 2x2, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*

One of the following, configurable by model:
- Wireless WAN upgradable
- Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)

SIM card *(opt)*

Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card

Dimensions[3]

WxDxH: 14.98" x 10.17" x 0.88"; 380.6mm x 258.2mm x 22.45mm

Weight[2]

Models	*No + 6-cell*	*3-cell + 3-cell*	*3-cell + 6-cell*
Integrated Non-touch	5.18 lb / 2.35 kg	4.88 lb / 2.22 kg	5.35 lb / 2.43 kg
Integrated Multi-touch	-	4.92 lb / 2.23 kg	5.33 lb / 2.42 kg
Discrete Non-touch	5.27 lb / 2.39 kg	4.97 lb / 2.25 kg	5.44 lb / 2.47 kg
Discrete Multi-touch	-	5.00 lb / 2.27 kg	5.42 lb / 2.46 kg

Case material

Display cover: PPS; *Bottom:* Glass-Fiber Reinforced Plastic

Smart card reader *Optional:* Smart card reader

Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports Three USB 3.0 (one Always On), MiniDP, HDMI, Ethernet (RJ-45), Dock connector

Camera *(optional)* HD720p resolution, low light sensitive, fixed focus

Audio support HD Audio, Realtek® ALC3245 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack

Keyboard 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight

UltraNav™ TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Security Power-on password, hard disk password, supervisor password, security keyhole

Security chip Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)* Intel vPro Technology

Fingerprint reader *Optional:* Swipe style fingerprint reader on the palm rest

Internal battery *Optional:* Integrated Li-Polymer 3-cell *(44Wh)*

External battery Li-Ion or Li-Polymer 3-cell *(23Wh)* or Li-Ion 6-cell *(48Wh or 72Wh)*

Max battery life[10] (*MobileMark® 2014*)

Models	*3 + 3-cell*	*3 + 6-cell 48Wh*	*3 + 6-cell 72Wh*
Integrated model	13.2 hr	18.0 hr	22.7 hr
discrete model	13.5 hr	18.3 hr	24.3 hr

AC adapter 45W AC adapter, 65W Slim AC adapter, or 65W AC adapter

Preload

Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12] *One of the following, configurable by model:*
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test MIL-STD-810G military certification

Environment EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FH001QUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH001RUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH001SUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH001TUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH001UUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.5" 3K (2880x1620) IPS	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH001VUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH001WUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	15.5" 3K (2880x1620) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH001XUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH001YUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH0020US	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH0021US	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.5" 3K (2880x1620) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH002CUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	01/16
20FH002DUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	01/16
20FH002EUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH002FUS	US	i7-6600U	vPro	Intel HD 520	8GBx2	15.6" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	01/16
20FH002GUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	01/16
20FH002HUS	US	i7-6600U	vPro	Intel HD 520	8GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	01/16
20FH002JUS	US	i7-6600U	vPro	Intel HD 520	8GBx2	15.5" 3K (2880x1620) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	01/16
20FH002KUS	US	i7-6600U	vPro	Intel HD 520	8GBx2	15.5" 3K (2880x1620) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH002LUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	01/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FH002MUS	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	01/16
20FH002NUS	US	i7-6600U	vPro	Intel HD 520	8GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20FH002WUS	US	i7-6600U	vPro	940MX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20FH002XUS	US	i7-6600U	vPro	940MX 2GB	8GBx1	15.5" 3K (2880x1620) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20FH002YUS	US	i7-6600U	vPro	940MX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20FH0030US	US	i5-6300U	vPro	940MX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20FH0031US	US	i7-6600U	vPro	940MX 2GB	8GBx1	15.5" 3K (2880x1620) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20FH0032US	US	i5-6300U	vPro	940MX 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20FH003BUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	07/16
20FH0043US	US	i5-6200U	No	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	10/16
20FH0044US	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.5" 3K (2880x1620) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FH0045US	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	11/16
20FH0046US	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	11/16
20FH0047US	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FH0048US	US	i5-6200U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FH0049US	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.5" 3K (2880x1620) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	11/16
20FHA01KUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(44Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	07/16

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ThinkPad X1 Carbon (4th Gen) Platform Specifications

Processor

6th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	LPDDR3-1866	Intel HD graphics 520
i5-6300U			2.4 GHz	3.0 GHz	3MB		
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

Graphics

Intel HD Graphics 520 in processor,
external digital monitor support via Mini DisplayPort or HDMI™;
supports three independent displays;
Max resolution: 3840x2160 (Mini DisplayPort)@60Hz; 4096x2304 (HDMI)@24Hz

Chipset

Intel SoC (System on Chip) platform

Memory

4GB, 8GB, or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets

Display

Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle
Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle

Multi-touch

None

Hinge

Normal hinge, 180 degree

Storage

Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)

Optical

None

Ethernet

Gigabit Ethernet via optional Ethernet (RJ-45) adapter
(by native Intel Ethernet Connection I219-V (*Non-vPro*) or I219-LM (*vPro*))

WLAN[4]

One of the following, configurable by model (WiGig is mutually exclusive with WWAN):
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card
- WiGig™+11ac+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*

One of the following, configurable by model (mutually exclusive with WiGig):
- Wireless WAN upgradable
- Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)

SIM card *(opt)*

Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card

Dimensions[3]

WxDxH: 13.11" x 9.02" x 0.59-0.65"; 333.0mm x 229.0mm x 14.95-16.45mm

Weight[2]

from 2.579 lb / 1.17 kg

Case material

Display cover: Carbon-Fiber Reinforced Plastic;
Bottom: Super magnesium

Media reader

MicroSD card reader, supports UHS-II microSD card

Ports

Three USB 3.0 (one Always On), MiniDP, HDMI, Lenovo OneLink+ connector

WiGig dock *(opt)*

WiGig dock, mutually exclusive with WWAN

Adapter *(optional)*

HDMI-VGA: Lenovo HDMI to VGA Monitor Cable
mDP-VGA: Lenovo Mini DisplayPort to VGA Monitor Cable
RJ45: ThinkPad OneLink+ to RJ45 adapter
VGA/RJ45: ThinkPad OneLink+ to VGA/RJ45 adapter

Camera

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, LED backlight

UltraNav™

TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch

Security

Power-on password, hard disk password, supervisor password, security keyhole, reset switch

Security chip

Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine

Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Touch style fingerprint reader on the palm rest

Battery

Integrated Lithium Polymer 4-cell *(52Wh)* RapidCharge battery

Max battery life[10]

MobileMark® 2014: 11 hr

AC adapter

45W AC adapter, 65W Slim AC adapter, or 65W AC adapter

RapidCharge

AC adapter	*45W*	*65W Slim*	*65W*
Charge to 80%	Not support	1.0 hr	1.0 hr
Charge to 100%	Not support	2.5 hr	2.5 hr

Preload

Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12]

One of the following, configurable by model:
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Adapter	Dock	Camera	Keyboard	Fingerprint Reader	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FB002JUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB002KUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB002LUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB002MUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB002NUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB002PUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB002QUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB002RUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB002SUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB0044US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0045US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB0046US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0047US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0048US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB0049US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004AUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB004BUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB004CUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004DUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004EUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16

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Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Adapter	Dock	Camera	Keyboard	Fingerprint Reader	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FB004FUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004GUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004HUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	240GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004JUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB004KUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004LUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB004MUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB004NUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004PUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004QUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004RUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004SUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004TUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB004UUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004VUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004WUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004XUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS	None	240GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB004YUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0050US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB0051US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16

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Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Adapter	Dock	Camera	Keyboard	Fingerprint Reader	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FB0052US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0053US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0054US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0055US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0056US	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0057US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0058US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	240GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0059US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005AUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB005BUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005CUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB005DUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005EUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	240GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005FUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005GUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005HUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005JUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005KUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB005LUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005MUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16

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Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Adapter	Dock	Camera	Keyboard	Fingerprint Reader	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FB005NUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005PUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB005QUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005RUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005SUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB005TUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005UUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005VUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005WUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB005XUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB005YUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0060US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0061US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0062US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0063US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0064US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	02/16
20FB0065US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	02/16
20FB006RUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	05/16
20FB006SUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	05/16
20FB006TUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	05/16

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Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Adapter	Dock	Camera	Keyboard	Fingerprint Reader	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FB006UUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	05/16
20FB006VUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	05/16
20FB006WUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	05/16
20FB006XUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	05/16
20FB0071US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	07/16
20FB007DUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	07/16
20FB007EUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	07/16
20FB007FUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	07/16
20FB007GUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	07/16
20FB007HUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 Opal2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	07/16
20FB007QUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	08/16
20FB007RUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	11/16
20FBA043US	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Fingerprint Reader	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	08/16

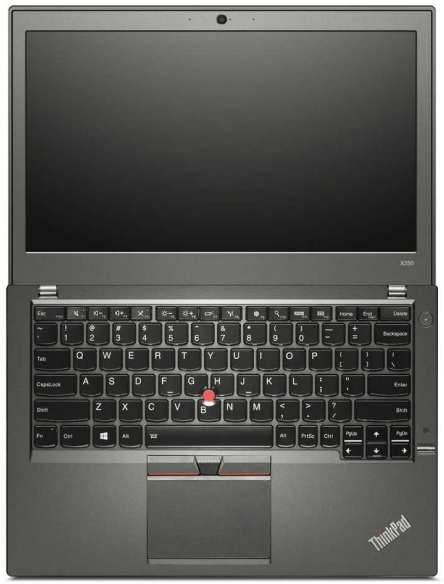
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ThinkPad X250 Platform Specifications

Processor

5th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-4300U	2	4	1.9 GHz	2.9 GHz	3MB	DDR3L-1600	Intel HD graphics 4400
i3-5010U			2.1 GHz	-	3MB		Intel HD Graphics 5500
i5-5200U			2.2 GHz	2.7 GHz	3MB		
i5-5300U			2.3 GHz	2.9 GHz	3MB		
i7-5600U			2.6 GHz	3.2 GHz	4MB		

Graphics

Intel HD Graphics 5500 in processor,
supports external analog monitor via VGA and digital monitor via Mini DisplayPort;
supports three independent displays;
Max resolution: 3840x2160@60Hz (DP via mDP cable); 1920x1200@60Hz (VGA)

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max / PC3-12800 1600MHz DDR3L, one 204-pin SO-DIMM socket

Display

Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio
Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS
Some: 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, 400 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS

Multi-touch *(opt)*

Capacitive-type multi-touch, supports 10-finger gesture, 270 or 360 nits

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
Some: SSHD with 8GB NAND flash memory

M.2 SSD *(opt)*

M.2 Solid State Drive (SSD), via M.2 card slot

Optical

None

Ethernet

Non-vPro model: Intel Ethernet Connection I218-V (Clarkville)
vPro model: Intel Ethernet Connection I218-LM (Clarkville)

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN[4]

One of the following, configurable by model:

- 11b/g/n, ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card
- 11b/g/n, Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card
- 11a/b/g/n, Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT adapter, M.2 card
- 11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 card

WWAN *(optional)*

One of the following, configurable by model:

- Wireless WAN upgradable
- Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card
- Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card

SIM card *(opt)*

AT&T® or Verizon® LTE (4G), contract required with service provider

Dimensions[3]

12.5" (WxDxH): 12.0" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm
12.5" Touch (WxDxH): 12.0" x 8.21" x 0.85"; 305.5mm x 208.5mm x 21.5mm

Weight[2]

Models	*No + 3-cell*	*3-cell + 3-cell*	*No + 6-cell*	*3-cell + 6-cell*
Non-touch	2.88 lb / 1.31 kg	3.13 lb / 1.42 kg	3.23 lb / 1.47 kg	3.48 lb / 1.58 kg
Multi-touch	-	3.29 lb / 1.49 kg	-	3.64 lb / 1.65 kg

Case material

Display cover: Glass-Fiber Reinforced Plastic (non-touch model) or Carbon-Fiber Reinforced Plastic (multi-touch model);
Bottom: Glass-Fiber Reinforced Plastic

Smart card reader *Optional:* Smart card reader

Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector

Camera *(optional)* HD720p resolution, low light sensitive, fixed focus

Audio support HD Audio, Realtek® ALC3232 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack

Keyboard 6-row, spill-resistant, multimedia Fn keys, optional LED backlight

UltraNav™ TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Security Power-on password, hard disk password, supervisor password, security keyhole

Security chip Discrete TPM 1.2, TCG Certified

ThinkEngine Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)* Intel vPro Technology

Fingerprint reader *Optional:* Fingerprint reader on the keyboard bezel, swipe sensor

Internal battery *Optional:* Integrated Li-Ion or Li-Polymer 3-cell *(23Wh)*

External battery Li-Ion 3-cell *(23Wh)* or 6-cell *(48Wh or 72Wh)*

Max battery life[10]

Models	*No + 3-cell*	*3-cell + 3-cell*	*3-cell + 6-cell 48Wh*	*3-cell + 6-cell 72Wh*
Battery life	5.2 hr	10.7 hr	16.0 hr	21.4 hr

AC adapter 45W AC adapter

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- PC Device Stage
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)

Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit
Some: Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo REACHit
- Lenovo Companion
- Microsoft Office preloaded; purchase a product key to activate
- Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model)
- McAfee® LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)

Limited warranty[12] *One of the following, configurable by model:*

- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test MIL-STD-810G military certification

Environment EPEAT™ Gold (US) or EPEAT Silver (WE); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20CM002VUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	None + 6-cell(48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM002WUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768)	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM002XUS	US	i5-5200U	No	Intel HD 5500	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM002YUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM0030US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM0031US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768)	None	500GB 5400rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM0032US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	None + 6-cell(48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM0033US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768)	None	180GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM0034US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM0035US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM0036US	US	i5-5200U	No	Intel HD 5500	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CM0046US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	180GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	03/15
20CM0047US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	03/15
20CM0048US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	03/15
20CM0049US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 5400rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	03/15
20CM004FUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm Opal	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	05/15
20CM004GUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm Opal	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	05/15
20CM004HUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	05/15
20CM005GUS	US	i5-5200U	No	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm Opal	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005HUS	US	i5-5200U	No	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20CM005JUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005KUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005LUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005MUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005NUS	US	i7-5600U	vPro	Intel HD 5500	16GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005PUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005QUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005RUS	US	i5-4300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005SUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005TUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005UUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005VUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005WUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005XUS	US	i7-5600U	vPro	Intel HD 5500	4GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM005YUS	US	i7-5600U	vPro	Intel HD 5500	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM0060US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/15
20CM0083US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20CM0084US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	Smart Card Reader	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20CM0085US	US	i5-5200U	No	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20CM0086US	US	i7-5600U	vPro	Intel HD 5500	16GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	Smart Card Reader	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20CM0087US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20CM0088US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20CM0089US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20CM008AUS	US	i7-5600U	vPro	Intel HD 5500	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20CM008BUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/15
20CM008DUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20CM008EUS	US	i5-5200U	No	Intel HD 5500	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20CM008FUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	180GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20CM008GUS	US	i5-5200U	No	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm Opal	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20CM008HUS	US	i5-5200U	No	Intel HD 5500	8GBx1	12.5" HD (1366x768)	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/15
20CMA00FUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	03/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20CL0019US	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CL001AUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	None + 6-cell(48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CL001BUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20CL001CUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 Pro 64-bit	3-year, Onsite	01/15
20CL001DUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20CL001EUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 Pro 64-bit	3-year, Onsite	01/15
20CL001FUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20CL001GUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20CL001HUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	None + 6-cell(48Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CL001JUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20CL001KUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CL001LUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20CL001MUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	01/15
20CL001NUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	180GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Onsite	01/15
20CL0059US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	05/15
20CL005AUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win8.1 DG Win7 Pro 64	3-year, Depot	05/15
20CL00A0US	US	i5-4300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00A1US	US	i5-5200U	No	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00A2US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00A3US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20CL00A4US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00A5US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00A6US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00A7US	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00A8US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00A9US	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00AAUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00ABUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	128GB SSD	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Onsite	08/15
20CL00BJUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BKUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BLUS	US	i5-5200U	No	Intel HD 5500	4GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BMUS	US	i5-5300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BNUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BPUS	US	i5-5200U	No	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BQUS	US	i7-5600U	vPro	Intel HD 5500	16GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BRUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BSUS	US	i7-5600U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BTUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BUUS	US	i5-5300U	vPro	Intel HD 5500	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BVUS	US	i7-5600U	vPro	Intel HD 5500	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	None	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20CL00BWUS	US	i7-5600U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15
20CL00BXUS	US	i5-4300U	vPro	Intel HD 5500	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	16GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Onsite	09/15

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ThinkPad X260 Platform Specifications

Processor

6th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD graphics 520
i3-6100U			2.3 GHz	-	3MB		
i5-6200U			2.3 GHz	2.8 GHz	3MB		
i5-6300U			2.4 GHz	3.0 GHz	3MB		
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

Graphics

Intel HD Graphics 520 in processor,
supports external digital monitor via HDMI or Mini DisplayPort;
supports three independent displays;
Max resolution: 4096x2304@60Hz (DisplayPort via Mini DisplayPort cable);
4096x2160@24Hz (HDMI)

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max / 2133MHz DDR4, one DDR4 SO-DIMM socket

Display

Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio
Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle
Some: 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
Some: SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxG SSD PCIe NVMe)
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Shock Mounted Hard Drive, Active Protection System™
Some: SSHD with 8GB NAND flash memory

Optical

None

Ethernet

Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN[4]

One of the following, configurable by model:
- 11ac+BT, Broadcom BCM4356, 2x2, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*

One of the following, configurable by model (mutually exclusive with WiGig):
- Wireless WAN upgradable
- Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)

SIM card *(opt)*

Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card

Dimensions[3]

WxDxH: 12.03" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm

Weight[2]

Models	*No + 3-cell*	*3-cell + 3-cell*	*3 + 6-cell 48Wh*	*3-cell + 6-cell 72Wh*
Weight	2.94 lb / 1.34 kg	3.18 lb / 1.44 kg	3.51 lb / 1.59 kg	3.58 lb / 1.62 kg

Case material

Glass-Fiber Reinforced Plastic

Smart card reader

Optional: Smart card reader

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), HDMI, MiniDP, Ethernet (RJ-45), Dock connector

WiGig dock

None

Monitor cable

Optional: HDMI to VGA Monitor Cable or Mini DisplayPort to VGA Monitor Cable

Camera *(optional)*

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Realtek® ALC3245 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, optional LED backlight

UltraNav™

TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

ThinkEngine

Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: Swipe style fingerprint reader on the keyboard bezel

Internal battery

Optional: Integrated Li-Ion or Li-Polymer 3-cell *(23Wh)*

External battery

Li-Ion 3-cell *(23Wh)* or 6-cell *(48Wh or 72Wh)*

Max battery life[10] **(*MobileMark® 2014*)**

Models	*No + 3-cell*	*3-cell + 3-cell*	*3-cell + 6-cell 48Wh*	*3-cell + 6-cell 72Wh*
Max battery life	6 hr	12 hr	18.5 hr	25 hr

AC adapter

45W AC adapter

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12]

One of the following, configurable by model:
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

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January 2017

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20F6005EUS	US	i5-6200U	No	Intel HD 520	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005FUS	US	i3-6100U	No	Intel HD 520	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005GUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005HUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005JUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005KUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005LUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005MUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" HD (1366x768)	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005NUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005QUS	US	i3-6100U	No	Intel HD 520	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005RUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F6005SUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	01/16
20F60068US	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	03/16
20F60069US	US	i5-6300U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	03/16
20F6006AUS	US	i5-6300U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	03/16
20F6006BUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	500GB SSHD 5400rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	03/16
20F6006CUS	US	i5-6300U	No	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	500GB SSHD 5400rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	03/16
20F6006DUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	500GB SSHD 5400rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	03/16
20F6006EUS	US	i5-6300U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	500GB SSHD 5400rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	03/16
20F6006FUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20F6006GUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" HD (1366x768) IPS	None	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6006HUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6006JUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" HD (1366x768)	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6006KUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6006LUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6006NUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" HD (1366x768) IPS	None	192GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6006PUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6006QUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6006RUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6006SUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 6-cell(48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6006TUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/16
20F6008GUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008HUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008JUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008KUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008LUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F6008MUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008NUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008PUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008QUS	US	i3-6100U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20F6008RUS	US	i3-6100U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008SUS	US	i3-6100U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008TUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008UUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008VUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008WUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/16
20F6008XUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F60092US	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F60093US	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F60094US	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F60095US	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F60096US	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F60097US	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F60098US	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F60099US	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F6009AUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F6009BUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F6009CUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F6009DUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16
20F6009EUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20F600A8US	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	10/16
20F600A9US	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	10/16
20F600AAUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	10/16
20F600ABUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Fingerprint Reader	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	10/16

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, go to http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

[1] Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.

[2] **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.

[3] **Thinness** may vary at certain points on the system.

[4] **Wireless capability:** Requires compatible wireless-enabled options sold separately.

[5] **TAA:** ThinkPad notebook is compliant with the U.S. Federal Government's country-of-origin requirements prescribed in 48 C.F.R. Subpart 25.4; Trade Act Agreement (TAA) model.

[6] **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

[7] **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

[8] **Hard drive:** GB = billion bytes,
TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

[10] **Battery:** These model numbers achieved the battery life based on MobileMark® 2012 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

[11] **External monitor:** This system supports a maximum of two external monitors. The integrated display(s) must be disabled to support two external monitors.

[12] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[14] **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

[16] **Activating Verizon Wireless Service:** Lenovo customers will be contacted after purchase to activate service; requires separate agreement with Verizon Wireless and is subject to the Customer Agreement, Calling Plan, and credit approval. Service, airtime, and early termination charges may apply. Verizon Wireless, not Lenovo, is solely responsible for service. Service not available in all areas; purchaser is responsible for verifying that service is available for the intended location before purchasing a computer equipped with WAN card. Network details, coverage limitations, and maps at www.verizonwireless.com.

[17] **International Warranty Service (IWS)** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[19] **Depot repair service:** The customer may be asked certain diagnostic questions before a courier is sent. Your ThinkPad purchase includes this depot repair service, available in the U.S. during the limited warranty period.

[20] **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

[22] **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. For ThinkPad notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See Lenovo Warranty Services terms and conditions for complete details and restrictions.

[23] **Activating AT&T Wireless Service:** Requires separate agreement with AT&T, subject to service agreement, rate plan and coverage maps. AT&T, not Lenovo, is solely responsible for service. Coverage not available in all areas; AT&T Broadband-Connect available in select metropolitan markets. Special credit and tenure restrictions and additional charges may apply to international roaming. A network connection, third-party software, additional hardware, and/or subscription to a third-party service may be required for certain solutions/applications. Additional restrictions apply, including early termination fee; see www.wireless.att.com for details. To activate call Lenovo Wireless Activation Hot Line at 1-877-299-4710.

[26] **Full-size keyboard:** As defined by ISO/IEC 15412.

[30] **Measures only maximum** data transfer rate, not application performance. Many factors affect application performance.

[24] **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

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Lenovo ThinkPad Tablets Convertibles

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Version 497, November 2016

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Summary of Changes

This section describes the technical changes made in this edition.
This edition might also include minor corrections and editorial changes which are not identified.

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Additions in this update

►**New product(s)**
None

►**New model(s)**
ThinkPad 10 (2nd Gen) new models announced November 2016
ThinkPad X1 Tablet new models announced October 2016
ThinkPad Yoga 260 new models announced November 2016

►**Others**
None

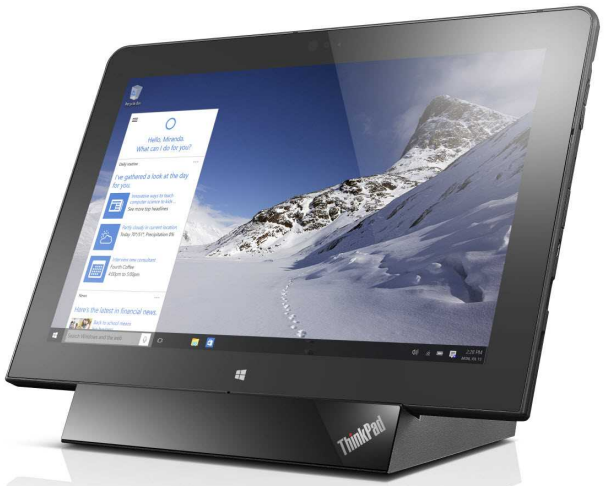
Changes in this update

None

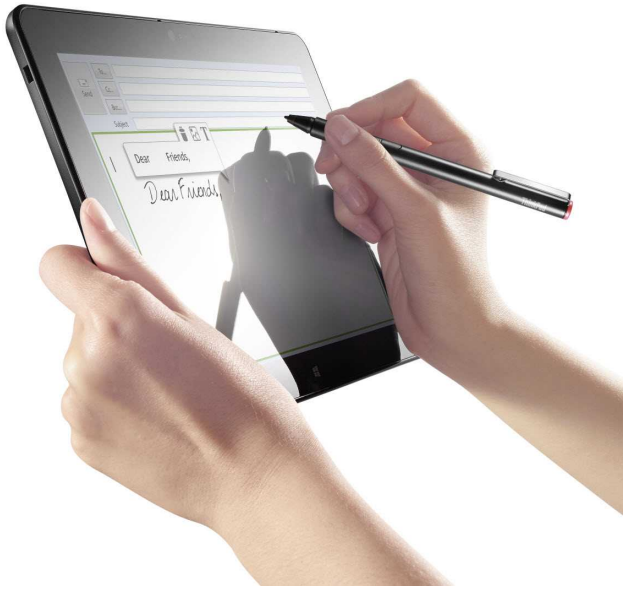
Withdrawals in this update

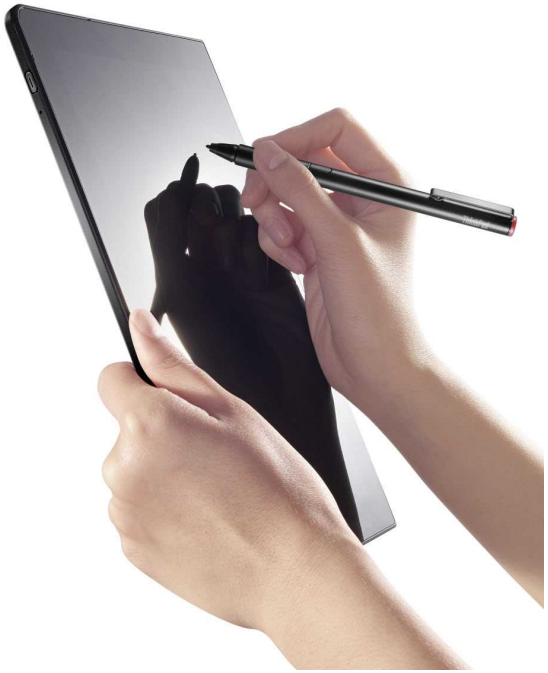
►**Withdrawn product(s)**

ThinkPad Helix (2nd Gen) withdrawn November 2016













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ThinkPad 10 (2nd Gen) Platform Specifications

Positioning	*Touchscreen tablet with a full PC experience and superior versatility*
Processor	Intel® Atom Processor

Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory Types	Processor Graphics
x7-Z8700	4	4	1.60 GHz	2.40 GHz	2MB	LPDDR3-1600	Intel HD Graphics
x7-Z8750	4	4	1.60 GHz	2.56 GHz	2MB	LPDDR3-1600	

Graphics	**Intel HD Graphics** in processor, supports 1080p video out via micro-HDMI™ connector, HDCP-compliant
Chipset	**Intel Atom SoC (System on Chip) platform**
Memory	*Some:* 2GB / 1600MHz LPDDR3, mobile DDR / soldered to systemboard *Some:* 4GB / 1600MHz LPDDR3, mobile DDR / soldered to systemboard *All:* no sockets, dual-channel capable
Display	**10.1"** (256.5mm) **WUXGA (1920x1200) TFT color**, anti-figerprint display with Corning® Gorilla® Glass, WideView (170° viewing), LED backlight, 400 nits, 16:10 aspect ratio, 800:1 contrast ratio, IPS,
Multi-touch	Multi-touch screen, supports ten-finger gesture
Pen	*Optional:* ThinkPad Pen Pro, supports pressure modes / two buttons for input / batteries required (no pen holder in form factor design)
Storage	64GB or 128GB / eMMC (embedded Multi Media Card) flash memory on board
Optical	None
Storage extension	One microSD card slot, supports up to 128GB
Ethernet	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
WLAN	11ac wireless, BCM4356, 802.11ac, 2x2, WiFi + Bluetooth combo chip
WWAN	*Optional:* Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS
SIM card *(Micro)*	None
Smart Card Read	*Optional:* Smart card reader (SCR)
Dimensions	10.09" x 6.96" x 0.36"; 256.5mm x 177.0mm x 9.10mm 10.09" x 6.96" x 0.67"; 256.5mm x 177.0mm x 17.10mm (with SCR)
Weight	*WiFi only:* from 1.32 lb (0.597kg); *WiFi + WWAN:* from 1.36 lb (0.618kg); *WiFi + WWAN + SCR:* from 1.43 lb (0.648kg)
Case color	Graphite black
Case material	Polyamide and Glass Fiber Reinforced
Media reader	One microSD card slot (SDXC/SDHC, UHS-I), supports up to 128GB
Ports	One standard USB 3.0, one micro-HDMI, headphone/microphone combo jack, one Living Hinge Docking connector, one keyboard connector, one micro SIM slot
Monitor cable	None
Control buttons	Windows button, power button, volume control button, reset switch

Camera	*Front camera:* 1.2-megapixel, fixed focus *Rear camera:* 5.0-megapixel, auto focus, flash LED
Video capture	1080p video capture
Audio support	Realtek® ALC5672 codec / stereo speakers, 1.0 watt x 2 / 3 digital front microphones, combo audio/microphone jack
Media capable	Audio formats: MP3, AAC, AAC+, eAAC+, WAV, PCM, WMA Video formats: MPEG-4, H.263, H.264, VC-1, WMV9, Xvid
Keyboard	*Non-pro:* Ultrabook keyboard, mechanical keyboard, pen holder *Folio:* Folio keyboard, thin keyboard, pen loop
Security	Kensington lock slot
Security chip	*Some:* Firmware TPM 2.0, integrated in chipset *Some:* Discrete TPM 1.2, TCG Certified *Some:* Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset
vPro & iAMT	None
Fingerprint reader	*Optional:* Fingerprint reader on the A Cover
NFC	*Optional:* Near Field Communication
Battery - type	Lithium polymer, 32Whr
Battery - life	up to 26 days (standby); up to 10 hr (local video playback)
AC adapter	36-watt AC adapter
Light sensor	Ambient Light Sensor, InterSil ISL29035
G-sensor	3D accelerometer
Compass	3D compass
Gyroscope	3D gyrometer
GPS	GPS function is integrated into WWAN module
Preload	*Some:* Windows 10 Pro 64 *Some:* Windows 10 Home 64 *Some:* Windows 10 Home Single Language 64 • Lenovo Solution Center • Lenovo Companion (includes System Update) • Lenovo REACHit • Lenovo Settings • Lenovo SHAREit • Lenovo WRITEit • Microsoft® Office preloaded; purchase a product key to activate • McAfee LiveSafe (30 days of virus definitions)
Limited warranty	**1-year** - depot repair service/ service upgrades available
Mil-Spec test	MIL-STD-810G military certification
Environment	RoHS, GREENGUARD, Low Halogen

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Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera (Front / Rear)	Keyboard Docking	Smart Cover	Pen	Finger-print Reader	NFC	TPM	Operating System	Warranty	Global	Ann Date (m/y)
20E3000QUS	US	Atom Z8700	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	None	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E3000RUS	US	Atom Z8700	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	Non-pro Keyboard	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E3000SUS	US	Atom Z8700	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	None	None	None	1.2MP / 5.0MP	Non-pro Keyboard	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E3000TUS	US	Atom Z8700	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E3000UUS	US	Atom Z8700	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E3000VUS	US	Atom Z8700	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	None	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E3000WUS	US	Atom Z8700	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	Non-pro Keyboard	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E3000XUS	US	Atom Z8700	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	None	None	None	1.2MP / 5.0MP	Non-pro Keyboard	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E3002DUS	US	Atom Z8700	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	Non-pro Keyboard	None	None	Finger-print Reader	NFC	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	11/15
20E3002EUS	US	Atom Z8700	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	NFC	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	11/15
20E30031US	US	Atom Z8750	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	Smart Card Reader	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	dTPM1.2 + FW TPM2.0	Win10 Pro 64	1-year, Depot	No	04/16
20E30032US	US	Atom Z8750	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	None	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	dTPM1.2 + FW TPM2.0	Win10 Pro 64	1-year, Depot	No	04/16
20E30033US	US	Atom Z8750	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	NFC	dTPM1.2 + FW TPM2.0	Win10 Pro 64	1-year, Depot	No	04/16
20E30034US	US	Atom Z8750	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	NFC	dTPM1.2 + FW TPM2.0	Win10 Pro 64	1-year, Depot	No	04/16
20E30035US	US	Atom Z8750	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	None	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	dTPM1.2 + FW TPM2.0	Win10 Pro 64	1-year, Depot	No	04/16
20E3003HUS	US	Atom Z8750	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	None	Cover	None	Finger-print Reader	None	dTPM1.2 + FW TPM2.0	Win10 Pro 64	1-year, Depot	No	11/16
20E3003JUS	US	Atom Z8750	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	dTPM1.2 + FW TPM2.0	Win10 Pro 64	1-year, Depot	No	11/16

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Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera (Front / Rear)	Keyboard Docking	Smart Cover	Pen	Finger-print Reader	NFC	TPM	Operating System	Warranty	Global	Ann Date (m/y)
20E40006US	US	Atom Z8700	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	None	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E40007US	US	Atom Z8700	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	None	None	None	1.2MP / 5.0MP	Non-pro Keyboard	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E40008US	US	Atom Z8700	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	None	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E40009US	US	Atom Z8700	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	None	None	None	1.2MP / 5.0MP	Non-pro Keyboard	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E4000AUS	US	Atom Z8700	Intel HD	2GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	64GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15
20E4000BUS	US	Atom Z8700	Intel HD	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.0	Sierra EM7345	None	None	1.2MP / 5.0MP	None	None	None	Finger-print Reader	None	FW TPM 2.0	Win10 Pro 64	1-year, Depot	No	07/15

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ThinkPad X1 Tablet Platform Specifications

Processor — 6th Generation Intel® Core™ M Processor

Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory Types	Processor Graphics	vPro
m3-6Y30	2	4	0.90 GHz	2.20 GHz	4MB	LPDDR3-1866	Intel HD Graphics 515	No
m5-6Y54	2	4	1.10 GHz	2.70 GHz	4MB			No
m5-6Y57	2	4	1.10 GHz	2.80 GHz	4MB			Yes
m7-6Y75	2	4	1.20 GHz	3.10 GHz	4MB			Yes

Graphics — Intel HD Graphics 515 in processor, supports 1080p video out via Mini DisplayPort connector

Chipset — Intel SoC (System on Chip) platform

Memory
- *Some:* 4GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard
- *Some:* 8GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard
- *Some:* 16GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard
- *All:* no sockets, dual-channel capable

Display — 12.0" (304.8mm) FHD+ (2160x1440), glare, LED backlight, IPS, anti-figerprint display with Corning® Gorilla® Glass, WideView (170° viewing), 360 nits, 3:2 aspect ratio, 800:1 contrast ratio

Multi-touch — Capacitive touch panel, supports ten-finger gesture

Pen — *Optional:* ThinkPad Pen Pro, active pen for multi-touch display

Kick stand — Opening angle up to 90 degrees

Storage
- *Some:* M.2 SSD / SATA 6.0Gb/s
- *Some:* M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s

Optical — None

Storage extension — One microSD card slot, supports up to 64GB

Ethernet — None

WLAN — *One of the following, configurable by model (WiGig is mutually exclusive with IR camera):*
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card
- WiGig™+11AC+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card

Bluetooth™ — Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN — *One of the following, configurable by model:*
- Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card

SIM card — Nano-SIM, optional Lenovo Connect (WE) SIM card

Dimensions — *Tablet only:* 11.48" x 8.25" x 0.34"; 291.5mm x 209.5mm x 8.75mm

Weight
- *Tablet only:* from 1.69 lb, 767g;
- *Tablet+keyboard:* from 2.35 lb, 1.07kg (767g+300g);
- *Tablet+keyboard+Productivity:* from 2.89 lb, 1.31kg (767g+300g+245g);
- *Tablet+Productivity:* from 2.23 lb, 1.01kg (767g+245g);
- *Tablet+Presenter:* from 2.15 lb, 0.98kg (767g+210g);
- *Tablet+3D Imgaging:* from 2.06 lb, 0.94kg (767g+168g)

Case color — Black

Case material — Magnesium + PPS Hybrid injection

Smart Card Read — *Optional:* NFC-compatible smart card reader via NFC

Media reader — One microSD card slot (micro SD/SDXC/SDHC), supports up to 64GB

Ports — One standard USB 3.0, one USB Type-C, one Mini DisplayPort, headphone/microphone combo jack, one Pogo keyboard connector, one cartrige connector for optional modules, one nano-SIM slot

Control buttons — Power button, volume control button, reset switch

WiGig dock — *Optional:* WiGig dock, mutually exclusive with IR camera

Monitor Cable *(optional)* — *mDP-HDMI:* Lenovo Mini DisplayPort to HDMI Monitor Cable; *mDP-VGA:* Lenovo Mini DisplayPort to VGA Monitor Cable

Adapter *(optional)* — *USB-RJ45:* USB 3.0 to RJ45 adapter; *USB-C-VGA:* USB-C to VGA plus power adapter; *USB-C-HDMI:* USB-C to HDMI plus power adapter

Camera — *Front camera:* 2.0-megapixel, fixed focus; *Rear camera:* 8.0-megapixel, auto focus, flash LED

Optional Cameras — *3D camera:* RealSense R200 3D camera on 3D Imaging module; *IR camera:* infra-red (IR) camera, mutually exclusive WiGig and NFC

Video capture — 1080p video capture

Audio support — Realtek® ALC3268 codec / stereo speakers, 0.5 watt x 2 / three microphones, combo audio/microphone jack

Pogo Keyboard — Magnetic attached thin keyboard, with TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Keyboard color — Black, red, and silver

Security — Kensington lock slot

Security chip — Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

vPro *(optional)* — Intel vPro Technology

Fingerprint reader — *Optional:* Touch style Fingerprint reader

NFC — *Optional:* Near Field Communication, mutually exclusive IR camera

Module — *One of the following, configurable by model*
- Dummy base cartridge
- Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr)
- Presenter module, Pico projector, HDMI and 10Whr battery for presenter
- 3D imaging module, USB3.0 x 1, RealSense 3D camera and HDMI

Battery - type — Lithium polymer, 37Whr

Battery - life — up to 10 hr (local video playback)

AC adapter — 45-watt USB Type-C adapter

Light sensor — Ambient Light Sensor

G-sensor — 3D accelerometer

Compass — 3D compass

Gyroscope — 3D gyrometer

GPS — GPS function is integrated into WWAN module

Preload — *Some:* Windows 10 Pro 64; *Some:* Windows 10 Home 64
- Lenovo Solution Center
- Lenovo Companion
- Lenovo Settings
- Microsoft® Office preloaded; purchase a product key to activate

Limited warranty — 1-year - depot repair service/ service upgrades available; 3-year - depot repair service/ service upgrades available

Mil-Spec test — MIL-STD-810G military certification

Environment — EPEAT™ Gold, RoHS, GREENGUARD, Low Halogen

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	SIM Card	Dock	Monitor Cable	Camera (Front / Rear)	Keyboard Docking	Pen	Fingerprint Reader	NFC	Module	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20GG0000US	US	m3-6Y30	No	Intel HD 515	4GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	192GB SSD M.2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	08/16
20GG001JUS	US	m5-6Y57	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	192GB SSD M.2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	08/16
20GG001KUS	US	m5-6Y57	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	08/16
20GG001LUS	US	m5-6Y57	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	08/16
20GG001MUS	US	m3-6Y30	No	Intel HD 515	4GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	08/16
20GG001NUS	US	m7-6Y75	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	08/16
20GG001PUS	US	m7-6Y75	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	08/16
20GG001QUS	US	m7-6Y75	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	08/16
20GG001RUS	US	m7-6Y75	vPro	Intel HD 515	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	18260 ac, 2x2 + BT4.1	None	None	WiGig Dock	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	08/16
20GG001SUS	US	m7-6Y75	vPro	Intel HD 515	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2	18260 ac, 2x2 + BT4.1	None	None	WiGig Dock	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	08/16
20GG001UUS	US	m3-6Y30	No	Intel HD 515	4GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	128GB SSD M.2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	08/16
20GG001VUS	US	m5-6Y57	vPro	Intel HD 515	4GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	128GB SSD M.2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	08/16
20GG002DUS	US	m5-6Y57	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	NFC	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	05/16
20GG002EUS	US	m7-6Y75	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	NFC	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	05/16
20GG002FUS	US	m7-6Y75	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	NFC	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	05/16
20GG0031US	US	m7-6Y75	vPro	Intel HD 515	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	NFC	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	04/16
20GG0032US	US	m7-6Y75	vPro	Intel HD 515	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	08/16
20GG0033US	US	m7-6Y75	vPro	Intel HD 515	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	NFC	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	08/16
20GG0034US	US	m7-6Y75	vPro	Intel HD 515	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2	8260 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	08/16
20GG004XUS	US	m7-6Y75	vPro	Intel HD 515	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	10/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	SIM Card	Dock	Monitor Cable	Camera (Front / Rear)	Keyboard Docking	Pen	Fingerprint Reader	NFC	Module	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20GG004YUS	US	m7-6Y75	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	10/16
20GG0050US	US	m7-6Y75	vPro	Intel HD 515	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	10/16
20GG0051US	US	m5-6Y57	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	10/16
20GG0052US	US	m7-6Y75	vPro	Intel HD 515	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	10/16
20GG0053US	US	m7-6Y75	vPro	Intel HD 515	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	1-year, Depot	10/16
20GG0054US	US	m7-6Y75	vPro	Intel HD 515	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	ThinkPad Pen Pro	Fingerprint Reader	None	None	2-cell (37Wh)	45W	Windows 10 Pro 64	3-year, Depot	10/16

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ThinkPad P40 Yoga Platform Specifications

Processor

6th Generation Intel® Core™ i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	vPro
i7-6500U	2	4	2.5 GHz	3.1 GHz	4MB	DDR3L-1600	Intel HD Graphics 520	No
i7-6600U			2.6 GHz	3.4 GHz	4MB			vPro

Graphics

Intel HD Graphics 520 in processor and
Nvidia Quadro M500M Graphics, 2GB DDR3 memory,
supports external digital monitor via HDMI, or Mini DisplayPort;
supports dual independent display;
Max resolution: 3840x2160 (Mini DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max / 1600MHz DDR3L / one 204-pin SO-DIMM sockets

Display

Some: 14.0" (355mm) WQHD (2560x1440), glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio

Multi-touch

Capacitive touch panel, supports 10-finger gesture

Hinge

Yoga hinge, 360 degree

Convert-mode

Laptop, tent, stand, and tablet

Pen

ThinkPad Pen Pro, active pen for multi-touch display

Storage

SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high

Optical

None

Ethernet

Gigabit Ethernet via optional Ethernet (RJ-45) adapter
(by native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro))

WLAN

11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card

Bluetooth™

Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*

Wireless WAN, Sierra Wireless EM7455,
Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card

SIM card

Micro-SIM card slot

Dimensions

WxDxH: 13.30" x 9.30" x 0.78"; 338.0mm x 236.3mm x 19.9mm

Weight

From 3.96 lb (1.80kg)

Case color

Black

Case materal

Carbon-Fiber Hybrid

Smart card reader

None

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Three USB 3.0 (one Always On), Mini DisplayPort, HDMI, Onelink+ connector, combo audio / microphone jack

Adapter *(optional)*

HDMI-VGA: Lenovo HDMI to VGA Monitor Cable
mDP-VGA: Lenovo Mini DisplayPort to VGA Monitor Cable
RJ45: ThinkPad OneLink+ to RJ45 adapter
VGA/RJ45: ThinkPad OneLink+ to VGA/RJ45 adapter

Camera

HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® DAX2 / stereo speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, LED backlit

UltraNav™

TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Swipe fingerprint reader under C cover

NFC

None

Battery type

Li-Polymer 3-cell (53Wh)

Battery life

Up to 8.0 hr

AC adapter

65W AC adapter

Light sensor

Ambient Light Sensor

G-sensor

3D accelerometer

Compass

3D compass

Gyroscope

3D gyrometer

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Some: Windows 10 Pro 64
Some: Windows 10 Home 64

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Settings
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

For ISV certifications, please visit www.lenovo.com/support/ISV

Limited warranty

One of the following, configurable by model:

- 1-year depot repair service
- 3-year/1-yr battery depot repair service

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Case Material	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Monitor Cable	Adapter	Color	Camera	Keyboard	Pen	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20GQ000BUS	US	i7-6500U	No	M500M 2GB	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	65W	Win10 Pro 64	1-year, Depot	No	02/16
20GQ000CUS	US	i7-6600U	vPro	M500M 2GB	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	65W	Win10 Pro 64	1-year, Depot	No	02/16
20GQ000EUS	US	i7-6600U	vPro	M500M 2GB	16GBx1	14" WQHD (2560x1440) IPS Glossy	10-point Multi-touch	Carbon	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	65W	Win10 Pro 64	1-year, Depot	No	02/16

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ThinkPad X1 Yoga Platform Specifications

Processor — 6th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	vPro
i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	LPDDR3-1866	Intel HD Graphics 520	No
i5-6300U			2.4 GHz	3.0 GHz	3MB			vPro
i7-6500U			2.5 GHz	3.1 GHz	4MB			No
i7-6600U			2.6 GHz	3.4 GHz	4MB			vPro

Graphics — Intel HD Graphics 520 in processor only,
supports external digital monitor via HDMI or Mini DisplayPort;
supports dual independent displays;
Max resolution: 3840x2160 (Mini DisplayPort)@60Hz; 4096x2160 (HDMI)@24Hz

Chipset — Intel SoC (System on Chip) platform

Memory — 16GB max / 1866MHz LPDDR3 / soldered to systemboard

Display
- *Some:* 14.0" (355mm) WQHD (2560x1440), glare, OLED, 300 nits, 16:9 aspect ratio, 2000000:1 contrast ratio
- *Some:* 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio
- *Some:* 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio

Multi-touch — Capacitive touch panel, supports 10-finger gesture

Hinge — Yoga hinge, 360 degree

Convert-mode — Laptop, tent, stand, and tablet

Pen *(optional)* — ThinkPad Pen Pro, active pen for multi-touch display

Storage
- *Some:* M.2 SSD / SATA 6.0Gb/s
- *Some:* M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s

Optical — None

Ethernet — Gigabit Ethernet via optional Ethernet (RJ-45) adapter (by native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro))

WLAN — *One of the following, configurable by model (WiGig is mutually exclusive with WWAN):*
- 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card
- WiGig™+11AC+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card

Bluetooth™ — Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)* — *One of the following, configurable by model (mutually exclusive with WiGig):*
- Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)

SIM card — Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card

Dimensions — *WxDxH:* 13.11" x 9.02" x 0.66"; 333.0mm x 229.0mm x 16.8mm)

Weight — From 3.00 lb (1.36kg)

Case color — Black

Case materal — Carbon-Fiber Hybrid

Smart card reader — None

Media reader — Micro SD, supports UHS-II SD card

Ports — Three USB 3.0 (one Always On), Mini DisplayPort, HDMI, Onelink+ connector, combo audio / microphone jack

WiGig dock — *Optional:* WiGig dock, mutually exclusive with WWAN

Adapter *(optional)* —
- *HDMI-VGA:* Lenovo HDMI to VGA Monitor Cable
- *mDP-VGA:* Lenovo Mini DisplayPort to VGA Monitor Cable
- *RJ45:* ThinkPad OneLink+ to RJ45 adapter
- *VGA/RJ45:* ThinkPad OneLink+ to VGA/RJ45 adapter

Camera — HD720p resolution, fixed focus

Audio support — HD Audio, Conexant® CX11852 codec, Dolby® DAX2 / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack

Keyboard — 6-row, spill-resistant, multimedia Fn keys, LED backlit

UltraNav™ — TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch

Security — Power-on password, hard disk password, supervisor password, security keyhole

Security chip — Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

vPro *(optional)* — Intel vPro Technology

Fingerprint reader — Touch style fingerprint reader on the keyboard bezel

NFC — None

Battery type — Li-Polymer 4-cell (52Wh) or 4-cell (56Wh, OLED models only)

Battery life — Up to 11.0 hr

AC adapter — 45W or 65W AC adapter

Light sensor — Ambient Light Sensor

G-sensor — 3D accelerometer and 3D magnetometer

Compass — 3D compass

Gyroscope — 3D gyrometer

Preload — Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Some: Windows 10 Pro 64
Some: Windows 10 Home 64
- Lenovo Solution Center
- Lenovo WRITEit
- Lenovo Companion
- Lenovo Settings
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty — *One of the following, configurable by model:*
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service

Mil-Spec test — MIL-STD-810G military certification

Environment — EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Dock	Adapter	Camera	Keyboard	Pen	Finger-print Reader	NFC	Battery	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20FQ000SUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	1-year, Depot	No	01/16
20FQ000YUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	NFC	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ0010US	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	NFC	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ001VUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	01/16
20FQ001WUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	01/16
20FQ002YUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	01/16
20FQ0030US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2 PCIe NVMe	None	Intel 18260 ac, 2x2 + BT4.1	None	None	WiGig Dock	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	03/16
20FQ0031US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2 PCIe NVMe	None	Intel 18260 ac, 2x2 + BT4.1	None	None	WiGig Dock	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	03/16
20FQ0032US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	01/16
20FQ0033US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	01/16
20FQ0034US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	WiGig Dock	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	03/16
20FQ0035US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	WiGig Dock	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	03/16
20FQ0036US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	01/16
20FQ0037US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	01/16
20FQ0038US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	01/16
20FQ0039US	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	01/16
20FQ003HUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	240GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003JUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003KUS	US	i5-6300U	vPro	Intel HD 520	4GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003LUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Dock	Adapter	Camera	Keyboard	Pen	Finger-print Reader	NFC	Battery	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20FQ003MUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003NUS	US	i5-6200U	No	Intel HD 520	4GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003PUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	180GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003QUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003RUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003SUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003TUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003UUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003VUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ003WUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	192GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	02/16
20FQ0054US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	Verizon	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16
20FQ0055US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16
20FQ0056US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	WiGig Dock	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16
20FQ0057US	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16
20FQ0058US	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16
20FQ0059US	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16
20FQ005AUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16
20FQ005BUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16
20FQ005CUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16
20FQ005DUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Dock	Adapter	Camera	Keyboard	Pen	Finger-print Reader	NFC	Battery	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20FQ005EUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	512GB SSD M.2 PCIe NVMe	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	05/16
20FQ005XUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) OLED Gloss	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (56Wh)	65W	Win10 Pro 64	3-year, Depot	No	06/16
20FQ005YUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) OLED Gloss	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (56Wh)	65W	Win10 Pro 64	3-year, Depot	No	06/16
20FQ0060US	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) OLED Gloss	10-point Multi-touch	512GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (56Wh)	65W	Win10 Pro 64	3-year, Depot	No	06/16
20FQ0066US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	WiGig Dock	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	07/16
20FQ0067US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 18260 ac, 2x2 + BT4.1	None	None	WiGig Dock	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	3-year, Depot	No	07/16
20FQ006CUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	180GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	1-year, Depot	No	08/16
20FQ006DUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 SATA3 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Pen Pro	Finger-print Reader	None	4-cell (52Wh)	65W	Win10 Pro 64	1-year, Depot	No	08/16

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ThinkPad Yoga 11e (3rd Gen) Platform Specifications

Processor

Intel® Celeron® processor, Intel Pentium® Processor, or 6th Generation Intel Core™ i3 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics
Cel N3150	4	4	1.6 GHz	2.08 GHz	2MB	DDR3L-1600	Intel HD graphics
Cel N3160	4	4	1.6 GHz	2.24 GHz	2MB		Intel HD graphics
Pen 4405U	2	4	2.1 GHz	-	2MB		Intel HD graphics 510
i3-6100U			2.3 GHz	-	3MB		Intel HD graphics 520

Graphics

Intel HD Graphics, Intel HD Graphics 510, or Intel HD Graphics 520 in processor, supports external digital monitor via HDMI™;
supports dual independent display;
Max resolution: 1920X1080 (HDMI)@30Hz

Chipset

Intel SoC (System on Chip) platform

Memory

2GB, 4GB, or 8GB / PC3-12800 1600MHz DDR3L, one DDR3L SO-DIMM socket

Display

11.6" (295mm) HD (1366x768), glare, LED backlight, IPS
250 nits, 16:9 aspect ratio, 800:1 contrast ratio

MultiTouch

Yes, support 10 fingers

Hinge

Yoga hinge, 360 degree

Convertible mode

Laptop, tent, stand and tablet

Pen

Some: Active pen, batteries required

Storage

M.2 Solid State Drive (SSD), SATA 6.0Gb/s

Optical

None

Ethernet

Realtek RTL8111GUS-CG Gigabit Network Connection

WLAN[4]

One of the following, configurable by model:

- 11ac+BT, Intel Dual Band Wireless-AC 3165, 1x1, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN

None

Dimensions[3]

WxDxH: 11.81" x 8.27" x 0.90"; 300mm x 210mm x 22.9mm

Weight[2]

from 3.5 lb (1.59kg)

Case color

Display cover: Graphite Black or Silver; *Bottom:* Graphite Black

Case material

Display cover: PC+40%GF+TPU; *Bottom:* PCC

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0, HDMI, Ethernet (RJ-45)

Control buttons

Power button, volume control button

Camera

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Realtek® ALC3245 codec / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/microphone jack

Keyboard

ThinkPad Windows keyboard, 6-row, multimedia Fn keys

UltraNav™

Buttonless touchpad below keyboard, multi-touch

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Trusted Platform Module, TCG 1.2-compliant

vPro

None

Fingerprint reader

None

Battery

Integrated Lithium Polymer 3-cell *(42Wh)*

Max battery life[10]

MobileMark® 2014: 11.53 hr

AC adapter

45-watt AC adapter

Preload

Some: Windows 10 Home 64
Some: Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty[12]

One of the following, configurable by model:

- 1-year depot repair service
- 3-year/1-yr battery depot repair service (US only)

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Pen	Finger-print Reader	Battery	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20GA000KUS	US	Celeron N3150	Intel HD	4GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20GA000LUS	US	Celeron N3150	Intel HD	8GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20GA000MUS	US	i3-6100U	Intel HD 520	8GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20GA000NUS	US	i3-6100U	Intel HD 520	8GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	256GB SSD Opal2	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20GA000QUS	US	i3-6100U	Intel HD 520	8GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	192GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20GA000YUS	US	i3-6100U	Intel HD 520	4GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	192GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20GA001EUS	US	Celeron N3160	Intel HD	8GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	09/16
20GA001FUS	US	Celeron N3160	Intel HD	4GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	09/16

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ThinkPad Yoga 11e (3rd Gen) Chromebook Platform Specifications

Product Specifications Reference (PSREF)

Processor — Intel® Celeron® processor

Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics
Cel N3150	4	4	1.6 GHz	2.08 GHz	2MB	LPDDR3-1600	Intel HD graphics

Graphics — Intel HD Graphics in processor, supports external digital monitor via HDMI™; supports dual independent display; Max resolution: 1920X1080 (HDMI)@30Hz

Chipset — Intel SoC (System on Chip) platform

Memory — 2GB or 4GB / 1600MHz LPDDR3 / soldered to systemboard, no sockets

Display — 11.6" (295mm) HD (1366x768), glare, LED backlight, IPS 200 nits, 16:9 aspect ratio, 800:1 contrast ratio

MultiTouch — Yes, support 10 fingers

Hinge — Yoga hinge, 360 degree

Convertible mode — Laptop, tent, stand and tablet

Pen — None

Storage — 16GB eMMC (embedded Multi Media Card) flash memory on board

Optical — None

Ethernet — None

WLAN[4] — 11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card

Bluetooth™ — Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN — None

Dimensions[3] — *WxDxH:* 11.81" x 8.27" x 0.88"; 300mm x 210mm x 22.3mm

Weight[2] — from 3.3 lb (1.50kg)

Case color — *Display cover:* Graphite Black or Silver; *Bottom:* Graphite Black

Case material — *Display cover:* PC+40%GF+TPU; *Bottom:* PCC

Media reader — 4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports — Two USB 3.0 (one Always On), HDMI

Control buttons — Power button, volume control button

Camera — HD720p resolution, low light sensitive, fixed focus

Audio support — Realtek® ALC5650 codec / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/microphone jack

Keyboard — ThinkPad Chrome keyboard, 6-row, multimedia Fn keys

UltraNav™ — Buttonless touchpad below keyboard, multi-touch

Security — Security keyhole

Security chip — Trusted Platform Module, TCG 1.2-compliant

vPro — None

Fingerprint reader — None

Battery — Integrated Lithium Polymer 3-cell *(42Wh)*

Max battery life[10] — Up to 12 hr

AC adapter — 45-watt AC adapter

Preload — Google Chrome OS

Limited warranty[12] — 1-year depot repair service

Mil-Spec test — MIL-STD-810G military certification

Environment — EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Pen	Finger-print Reader	Battery	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20GE0002US	US	Celeron N3150	Intel HD	4GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	16GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	None	None	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	No	03/16
20GE0003US	US	Celeron N3160	Intel HD	4GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	16GB eMMC	None	Intel 7265 ac, 2x2 + BT4.0	Black	720p	None	None	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	No	10/16

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ThinkPad Yoga 260 Platform Specifications

Product Specifications Reference (PSREF)

Processor

6th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-6100U	2	4	2.3 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520
i5-6200U			2.3 GHz	2.8 GHz	3MB		
i5-6300U			2.4 GHz	3.0 GHz	3MB		
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

Graphics

Intel HD Graphics 520 in processor only,
supports external digital monitor via HDMI, Mini DisplayPort;
supports dual independent display
Max resolution: 3840x2160 (Mini DisplayPort)@60Hz
4096x2160 (HDMI)@24Hz

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max / 2133MHz DDR4, one DDR4 SO-DIMM socket (None WWAN models), or
8GB 2133MHz DDR4 soldered to systemboard for WWAN models

Display

Some: 12.5" (317.5mm) HD (1366x768) color, anti-glare, LED backlight, IPS
300 nits, 16:9 aspect ratio, IPS
Some: 12.5" (317.5mm) FHD (1920x1080) color, anti-glare, LED backlight, IPS
300 nits, 16:9 aspect ratio, IPS

Multi-touch

Supports 10-finger gesture

Hinge

Yoga hinge, 360 degree

Convert-mode

Laptop, tent, stand and tablet

Pen

Some: ThinkPad Pen Pro, active pen for multi-touch display

Storage

Some: M.2 SSD / SATA 6.0Gb/s
Some: M.2 SSD / PCIe NVMe 32Gb/s

Optical

None

Ethernet

Gigabit Ethernet via optional Ethernet (RJ-45) adapter
(by native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro))

WLAN

One of the following, configurable by model (WiGig is mutually exclusive with WWAN):

- *BCM*: Broadcom Wireless-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card
- *no vPro:* Intel Dual Band Wireless-AC 8260, 2x2, Wi-Fi + BT, M.2 Card
- *vPro:* Intel Dual Band Wireless-AC 8260 with vPro, 2x2, Wi-Fi + BT, M.2 Card
- *WiGig:* WiGig™ +11AC+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, 1x1 WiGig, M.2 Card

WiGig adapter is only available in selected countries

Bluetooth™

Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*

Wireless WAN, Sierra Wireless EM7455,
Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
**WWAN models are only available with i5, i7 processores,*
*8GB soldered to systemboard memory and FHD display**

SIM card

Micro-SIM card slot, optional Lenovo Connect (WE) SIM card

Dimensions

12.5" (WxDxH): 12.20" x 8.66" x 0.70" (309.9mm x 220mm x 17.8mm)

Weight

From 2.90 lb (1.32kg)

Case color

Midnight black or silver

Case Materal

Carbon-Fiber Hybrid

Smart Card Reader

Some: Smart Card Reader

ExpressCard

None

Media reader

Micro SD, supports UHS-I SD card

Ports

Two USB 3.0 (one Always On), Mini DisplayPort, HDMI,
Onelink+ connector, combo audio / microphone jack

WiGig dock

Optional: WiGig dock, mutually exclusive with WWAN

Camera

HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® Home Theater® v4 /
stereo speakers, 2W x 2 / dual array microphone,
combo audio / microphone jack

Keyboard

6-row, LED backlit, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

vPro

Some: Intel vPro Technology

Fingerprint reader

Some: Touch style fingerprint reader on the keyboard bezel

NFC

Some: Near Field Communication

Battery type

Li-Polymer 4-cell (44Wh)

Battery life

Up to 10.0 hr

AC adapter

Some: 45-watt AC adapter
Some: 65-watt AC adapter

Light sensor

Ambient Light Sensor

G-sensor/ eCompass

3D accelerometer and 3D magnetometer
3D compass

Gyroscope

3D gyrometer

Preload

Some: Windows® 7 Professional 64
Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- PC Device Stage
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Some: Windows 10 Pro 64
Some: Windows 10 Home 64

- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Settings
- Microsoft Office preloaded; purchase a product key to activate

Limited warranty

1-year - depot repair service / service upgrades available
3-year - depot repair service / service upgrades available
3-year - onsite repair service / service upgrades available

Mil-Spec test

MIL-STD-810G military certification

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Adapter	Color	Case Material	Camera	Keyboard	Pen	Fingerprint Reader	NFC	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FD0000US	US	i5-6200U	No	Intel HD 520	4GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20FD0001US	US	i3-6100U	No	Intel HD 520	4GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	128GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20FD0002US	US	i5-6200U	No	Intel HD 520	4GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20FD0003US	US	i3-6100U	No	Intel HD 520	4GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	128GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20FD0004US	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	11/15
20FD0029US	US	i7-6500U	No	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FD002AUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FD002BUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FD002DUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FD002EUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FD002FUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FD002GUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FD002HUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FD002JUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FD002KUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20FD002LUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	04/16
20FD002MUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	04/16
20FD002NUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	04/16
20FD002PUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	192GB SSD	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	04/16
20FD002QUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	Intel 18260 ac, 2x2 + BT4.1	None	None	None	WiGig Dock	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	04/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Adapter	Color	Case Material	Camera	Keyboard	Pen	Fingerprint Reader	NFC	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FD003HUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	NFC	4-cell (44Wh)	45W	Win10 Pro 64	3-year, Depot	05/16
20FD003JUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	NFC	4-cell (44Wh)	45W	Win10 Pro 64	3-year, Depot	05/16
20FD003KUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	NFC	4-cell (44Wh)	45W	Win10 Pro 64	3-year, Depot	05/16
20FD003RUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	180GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	08/16
20FD003SUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	3-year, Depot	11/16
20FD003TUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	3-year, Depot	11/16
20FD003UUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	3-year, Depot	11/16
20FDA01WUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	08/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Adapter	Color	Case Material	Camera	Keyboard	Pen	Fingerprint Reader	NFC	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20FE0057US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	NFC	4-cell (44Wh)	45W	Win10 Pro 64	3-year, Depot	04/16
20FE0058US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	NFC	4-cell (44Wh)	45W	Win10 Pro 64	3-year, Depot	04/16
20FE0059US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	Carbon	720p	Backlit	Pen Pro	Fingerprint Reader	NFC	4-cell (44Wh)	45W	Win10 Pro 64	3-year, Depot	04/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock Adapter	Color	Case Material	Camera	Keyboard	Pen	Fingerprint Reader	NFC	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20GS0000US	US	i5-6200U	No	Intel HD 520	4GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS0001US	US	i3-6100U	No	Intel HD 520	4GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	128GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS0002US	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS0003US	US	i7-6500U	No	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS0004US	US	i5-6200U	No	Intel HD 520	4GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS0005US	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS0006US	US	i3-6100U	No	Intel HD 520	4GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS0007US	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS0008US	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	192GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS0009US	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS000AUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS000BUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS000CUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	01/16
20GS000FUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	180GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	08/16
20GS000GUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768) IPS	10-point Multi-touch	256GB SSD Opal2	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	Carbon	720p	Backlit	Pen Pro	None	None	4-cell (44Wh)	45W	Win10 Pro 64	1-year, Depot	08/16

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ThinkPad Yoga 460 Platform Specifications

Processor 6th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	vPro
i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR3L-1600	Intel HD Graphics 520	No
i5-6300U			2.4 GHz	3.0 GHz	3MB			vPro
i7-6500U			2.5 GHz	3.1 GHz	4MB			No
i7-6600U			2.6 GHz	3.4 GHz	4MB			vPro

Graphics Intel HD Graphics 520 in processor,
supports external digital monitor via HDMI or Mini DisplayPort;
supports dual independent displays;
Max resolution: 3840x2160 (Mini DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz

Chipset Intel SoC (System on Chip) platform

Memory 16GB max / 1600MHz DDR3L / one 204-pin SO-DIMM sockets

Display
Some: 14.0" (355mm) WQHD (2560x1440), glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio (only available in US)
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio

Multi-touch Capacitive touch panel, supports 10-finger gesture

Hinge Yoga hinge, 360 degree

Convert-mode Laptop, tent, stand, and tablet

Pen *(optional)* ThinkPad Pen Pro, active pen for multi-touch display

Storage
Some: SSD / SATA 6.0Gb/s
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™
Some: SSHD with 8GB NAND flash memory

Optical None

M.2 SSD *(opt)* 16GB

Ethernet Gigabit Ethernet via optional Ethernet (RJ-45) adapter
(by native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro))

WLAN 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card

Bluetooth™ Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)* *One of the following, configurable by model:*
- Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card
- Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card

SIM card Micro-SIM card slot

Dimensions *WxDxH:* 13.30" x 9.29" x 0.74"; 338.0mm x 236.0mm x 19.0mm

Weight From 3.90 lb (1.80kg)

Case color Black or Silver

Case materal *Carbon:* Carbon-Fiber Hybrid display cover
Aluminum: Aluminum display cover

Smart card reader None

Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports Three USB 3.0 (one Always On), Mini DisplayPort, HDMI, Onelink+ connector, combo audio / microphone jack

Adapter *(optional)*
HDMI-VGA: Lenovo HDMI to VGA Monitor Cable
mDP-VGA: Lenovo Mini DisplayPort to VGA Monitor Cable
RJ45: ThinkPad OneLink+ to RJ45 adapter
VGA/RJ45: ThinkPad OneLink+ to VGA/RJ45 adapter

Camera HD720p resolution, fixed focus

Audio support HD Audio, Conexant® CX11852 codec, Dolby® DAX2 / stereo speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack

Keyboard 6-row, spill-resistant, multimedia Fn keys, LED backlit

UltraNav™ TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

Security Power-on password, hard disk password, supervisor password, security keyhole

Security chip
Some: Firmware TPM 2.0, integrated in chipset
Some: Discrete TPM 1.2, TCG Certified
Some: Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset

vPro *(optional)* Intel vPro Technology

Fingerprint reader Swipe fingerprint reader under C cover

NFC None

Battery type Li-Polymer 3-cell (53Wh)

Battery life Up to 8.0 hr

AC adapter 45W or 65W AC adapter

Light sensor Ambient Light Sensor

G-sensor 3D accelerometer and 3D magnetometer

Compass 3D compass

Gyroscope 3D gyrometer

Preload
Some: Windows 10 Pro 64
Some: Windows 10 Home 64
- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- Lenovo Settings
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty *One of the following, configurable by model:*
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service

Mil-Spec test MIL-STD-810G military certification

Environment EPEAT™ Silver; ENERGY STAR®; RoHS-compliant

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Case Material	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Monitor Cable	Adapter	Color	Camera	Keyboard	Pen	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20EM001JUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" WQHD (2560x1440) IPS Glossy	10-point Multi-touch	Carbon	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	02/16
20EM001LUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	180GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM001MUS	US	i7-6500U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	02/16
20EM001NUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	192GB SSD	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM001PUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	192GB SSD	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	02/16
20EM001QUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	128GB SSD	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM001RUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM001SUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	192GB SSD	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	02/16
20EM001TUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	180GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM001UUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM001XUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS Glossy	10-point Multi-touch	Aluminum	192GB SSD	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM0023US	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" WQHD (2560x1440) IPS Glossy	10-point Multi-touch	Aluminum	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM0024US	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS Glossy	10-point Multi-touch	Aluminum	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM0025US	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS Glossy	10-point Multi-touch	Aluminum	192GB SSD	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM0026US	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS Glossy	10-point Multi-touch	Aluminum	128GB SSD	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM0027US	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS Glossy	10-point Multi-touch	Aluminum	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM0028US	US	i7-6500U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS Glossy	10-point Multi-touch	Aluminum	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM0029US	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS Glossy	10-point Multi-touch	Aluminum	192GB SSD	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM002AUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS Glossy	10-point Multi-touch	Aluminum	180GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM002BUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS Glossy	10-point Multi-touch	Aluminum	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Case Material	Storage	M.2 SSD	Optical	WLAN + Bluetooth	WWAN	SIM Card	Monitor Cable	Adapter	Color	Camera	Keyboard	Pen	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20EM002CUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS Glossy	10-point Multi-touch	Aluminum	180GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Pen Pro	None	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/16
20EM002FUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	04/16
20EM002GUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS AG	10-point Multi-touch	Carbon	256GB SSD Opal2	None	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	dTPM1.2 + FW TPM2.0	3-cell (53Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	04/16

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, go to http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

[1] Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.

[2] **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.

[3] **Thinness** may vary at certain points on the system.

[4] **Wireless capability:** Requires compatible wireless-enabled options sold separately.

[5] **TAA:** ThinkPad notebook is compliant with the U.S. Federal Government's country-of-origin requirements prescribed in 48 C.F.R. Subpart 25.4; Trade Act Agreement (TAA) model.

[6] **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

[7] **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

[8] **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

[9] **CD/DVD drive speeds** list maximum rates; rates are variable and are often less than the maximum.

[10] **Battery:** These model numbers achieved the battery life based on MobileMark® 2012 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

[11] **External monitor:** This system supports a maximum of two external monitors. The integrated display(s) must be disabled to support two external monitors.

[12] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[13] **Internet access not included.**

[14] **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

[16] **Activating Verizon Wireless Service:** Lenovo customers will be contacted after purchase to activate service; requires separate agreement with Verizon Wireless and is subject to the Customer Agreement, Calling Plan, and credit approval. Service, airtime, and early termination charges may apply. Verizon Wireless, not Lenovo, is solely responsible for service. Service not available in all areas; purchaser is responsible for verifying that service is available for the intended location before purchasing a computer equipped with WAN card. Network details, coverage limitations, and maps at www.verizonwireless.com.

[17] **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[18] **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For ThinkPad notebooks with Depot or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.

[19] **Depot repair service:** The customer may be asked certain diagnostic questions before a courier is sent. Your ThinkPad purchase includes this depot repair service, available in the U.S. during the limited warranty period.

[20] **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

[21] **For combination drives**, maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.

[22] **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. For ThinkPad notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See Lenovo Warranty Services terms and conditions for complete details and restrictions.

[23] **Activating AT&T Wireless Service:** Requires separate agreement with AT&T, subject to service agreement, rate plan and coverage maps. AT&T, not Lenovo, is solely responsible for service. Coverage not available in all areas; AT&T BroadbandConnect available in select metropolitan markets. Special credit and tenure restrictions and additional charges may apply to international roaming. A network connection, third-party software, additional hardware, and/or subscription to a third-party service may be required for certain solutions/applications. Additional restrictions apply, including early termination fee; see www.wireless.att.com for details. To activate call Lenovo Wireless Activation Hot Line at 1-877-299-4710.

[24] **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

[26] **Full-size keyboard:** As defined by ISO/IEC 15412.

[27] **Based on IEEE 802.11a and 802.11b.** A customer can not upgrade to a different wireless Mini PCI adapter due to FCC regulations. Security screws prevent removal of this adapter. This wireless LAN product has been designed to permit legal operation world-wide in regions which it is approved. This product has been tested and certified to be interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.

[28] **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

[30] **Measures only maximum** data transfer rate, not application performance. Many factors affect application performance.

[32] **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.

[36] **Wireless upgradable** allows the system to be wireless-enabled with an optional wireless Mini PCI or Mini PCI Express card. Designed to operate only with Lenovo options.

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Lenovo ThinkCentre

PSREF

Product Specifications Reference

Version 500, January 2017

U.S.

Visit http://psref.lenovo.com for the latest version

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Summary of Changes

This section describes the technical changes made in this edition.
This edition might also include minor corrections and editorial changes which are not identified.

January, 2017 - Version 500

Additions in this update

►**New product(s)**
None

►**New model(s)**
ThinkCentre M700 Tiny new models announced January 2017

Withdrawals in this update

►**Withdrawn product(s)**
None











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ThinkCentre Chromebox Platform Specifications

Processor

Intel® Celeron® or 4th Generation Intel Core™ i3 Processor

Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics
Celeron 3205U	2 / 2	1.50 GHz	2MB	DDR3L-1600	Intel HD
Celeron 3215U	2 / 2	1.70 GHz	2MB	DDR3L-1600	Intel HD
Core i3-5005U	2 / 4	2.00 GHz	3MB	DDR3L-1600	Intel HD 5500

* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces

Memory

Celeron models: 4GB max / DDR3 Low Voltage, DDR3L-1600, non-parity, one 204-pin SO-DIMM socket;
Core i3 models: 8GB max / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets

Disk
M.2 Solid State Drive (SSD), SATA 6.0Gb/s

Optical
None

Onboard SATA
None

Media reader
None

Graphics
Intel HD Graphics or **Intel HD Graphics 5500,** in processor, uses main memory, DirectX® 11, one DisplayPort™, one HDMI, supports dual independent display;
Max resolution: 1920x1080 (DP)@60Hz; 1920x1080 (HDMI)@60Hz

DP cable
None

Chipset
Intel System-on-Chip (SoC) platform

Front ports
Two USB 3.0 (supports Always On), one headphone / microphone combo jack (stereo, 3.5mm)

Rear ports
Two USB 3.0, ethernet (RJ-45), HDMI, DisplayPort

I/O box
None

Audio support
High Definition (HD) Audio, Realtek ALC233 / no internal speaker

WLAN[13]
11ac/a/b/g/n wireless, M.2 Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo 4.0 adapter, 2x2

Bluetooth™
Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet
One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®

Modem
None

Security chip
Trusted Platform Module, TCG 1.2-compliant

Security features
Security slot (in rear for optional Kensington® MicroSaver® cable)

Keyboard
Some: USB Keyboard (compatible with Chrome OS), Lenovo logo

Mouse
Some: Enhanced Optical USB Mouse, black, Lenovo logo

Mechanical
Tiny (1L), business black color; metal case, compatible with TIO 23

Chromebox only	7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.1 lb (0.95 kg), weight may vary by configuration

VESA mount
None

Floor Stand
Optional system floor stand for vertical orientation

Power supply
65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)

Limited warranty[3]
1-year, **depot service** / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload
Chrome OS

Environment
ENERGY STAR® 6.0; EPEAT™ Gold rating (U.S.); GREENGUARD®; ErP Lot 3; RoHS-compliant

Accessories
For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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ThinkCentre Chromebox - TopSeller - 10H3

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Storage	WLAN + Bluetooth	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Global	Ann Date (mm/yy)
10H30000US	US	Core i3-5005U (2C, 2.0GHz, 3MB)	No	Integrated Intel HD Graphics 5500	4GBx1	16GB SSD M.2	Intel 7260 ac, 2x2 + BT4.0	USB / USB	Floor Stand	65W Adapter 88%	Chrome OS	1-year, Depot	No	05/15
10H30002US	US	Core i3-5005U (2C, 2.0GHz, 3MB)	No	Integrated Intel HD Graphics 5500	2GBx1	16GB SSD M.2	Intel 7260 ac, 2x2 + BT4.0	USB / USB	Floor Stand	65W Adapter 88%	Chrome OS	1-year, Depot	No	05/15

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ThinkCentre Chromebox - TopSeller - 10H5

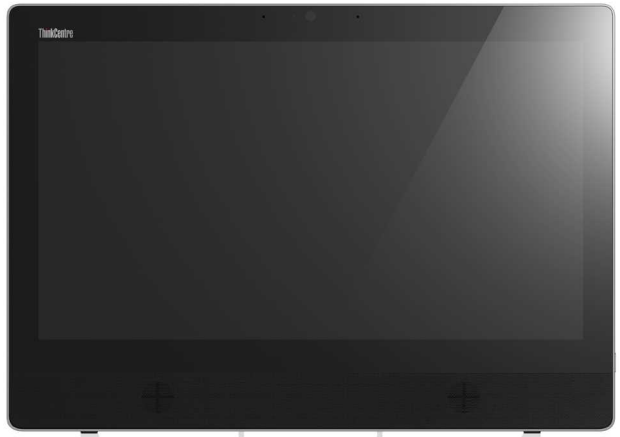
Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Storage	WLAN + Bluetooth	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Global	Ann Date (mm/yy)
10H50003US	US	Celeron 3205U (2C, 1.5GHz, 2MB)	No	Integrated Intel HD Graphics	4GBx1	16GB SSD M.2	Intel 7260 ac, 2x2 + BT4.0	USB / USB	Floor Stand	65W Adapter 88%	Chrome OS	1-year, Depot	No	05/15
10H50005US	US	Celeron 3205U (2C, 1.5GHz, 2MB)	No	Integrated Intel HD Graphics	2GBx1	16GB SSD M.2	Intel 7260 ac, 2x2 + BT4.0	USB / USB	Floor Stand	65W Adapter 88%	Chrome OS	1-year, Depot	No	05/15
10H5000DUS	US	Celeron 3215U (2C, 1.7GHz, 2MB)	No	Integrated Intel HD Graphics	4GBx1	16GB SSD M.2	Intel 7260 ac, 2x2 + BT4.0	USB / USB	Floor Stand	65W Adapter 88%	Chrome OS	1-year, Depot	No	05/16

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ThinkCentre E63z Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel® Pentium® or 4th Generation Intel Core™ i3 Processor

Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics
Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD
Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400

* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces

Memory

Pentium models: 8GB max[7] / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket
Core i3 models: 16GB max[7] / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets
*System automatically clocks down for 1333MHz DDR3 memory controller

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

None

SATA controller

Pentium models: Serial ATA, SATA 3.0Gb/s support, integrated in processor
Core i3 models: Serial ATA, SATA 6.0Gb/s support, integrated in processor

Media reader

Optional 7-in-1 media card reader (Core i3 models only)

Graphics

Intel HD Graphics or **Intel HD Graphics 4400** in processor, uses main memory, *Maximum resolution:* 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)

Display

19.5" (495.3mm) **HD+ (1600x900) TFT color**, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, anti-glare for non-touch models

Multi-touch

Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch

Camera

Some: 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator

Controls

Power button on right side

Chipset

Intel System-on-Chip (SoC) platform

Rear ports

Pentium models: Two USB 2.0, ethernet (RJ-45), DC-IN
Core i3 models: Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN

Side ports

Pentium models: One USB 3.0, one microphone / headphone combo jack (3.5mm)
Core i3 models: One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader

ExpressCard

None

PCIe Mini Card

One PCI Express Mini Card slot (half size, for WLAN)

Audio support

High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)

WLAN[13]

Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth combo adapter, 1x1
Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth combo adapter, 2x2
Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2
Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®

vPro & iAMT

None

Security chip

None

Security features

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo Slim USB Keyboard (USB connector), Lenovo logo

Mouse

Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver)
Some: Enhanced Optical USB Mouse, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver)

Mechanical

- Business black or white
- Support VESA mount (100mm)
- Optional frame stand

Dimensions *(WxDxH)*	Weight (Maximum)	Adjustments
E63z non-touch with frame stand		
19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	8.82 lb (4 kg)	Tilt: 10° to 60° back
E63z touch with frame stand		
19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	10.58 lb (4.8 kg)	Tilt: 10° to 60° back

Power supply

65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)

Limited warranty[3]

Some: **1-year or 3-years**, **limited onsite service** / service upgrades available
Some: **1-year or 3-years**, **Depot or Carry-in** / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit

Ready to install applications (only some listed)

- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Device Experience
- ThinkVantage AutoLock
- Lenovo SHAREit
- BlueTooth Security Lock
- Desktop Power Manager
- View Management Utility
- Lenovo Solution Center
- Lenovo Message Center Plus
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)
- Evernote®
- Nitro Pro

Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit
Some: Windows 8.1 with Bing 64-bit

Web install applications (only some listed)

- Password Manager

Preloaded applications (only some listed)

- ThinkVantage System Update
- ThinkVantage AutoLock
- Lenovo SHAREit
- BlueTooth Security Lock
- Desktop Power Manager
- Lenovo Solution Center
- Lenovo Support
- Lenovo Companion
- Norton Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD (DVD±RW, DVD)
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)
- Evernote®
- Nitro Pro
- AccuWeather
- Norton™ Studio
- Pokki
- Hightail

Environment

EPEAT™ Gold (For Windows models only);
ENERGY STAR® 6.0 (For Windows models only);
GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3

See footnotes for more detailed information

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Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	Media Reader	WLAN + Bluetooth	Camera	Keyboard / Mouse	Stand	Color	Operating System	Warranty	Ann Date (m/y)
10D40004US	US	Pentium J2900	Intel HD	4GBx1	19.5" HD+ (1600x900)	None	500GB 7200rpm 2.5"	None	None	RTL8723BE b/g/n, 1x1 + BT4.0	720p	USB (Slim) / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	08/14
10D40005US	US	Pentium J2900	Intel HD	2GBx1	19.5" HD+ (1600x900)	None	500GB 7200rpm 2.5"	None	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	USB (Slim) / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	08/14

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Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	Media Reader	WLAN + Bluetooth	Camera	Keyboard / Mouse	Stand	Color	Operating System	Warranty	Ann Date (m/y)
10D60005US	US	Pentium J2900	Intel HD	4GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	500GB 7200rpm 2.5"	None	None	RTL8723BE b/g/n, 1x1 + BT4.0	720p	USB (Slim) / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	08/14
10D60006US	US	Pentium J2900	Intel HD	4GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	500GB 7200rpm 2.5"	None	None	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB (Slim) / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	08/14
10D60007US	US	Pentium J2900	Intel HD	2GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	500GB 7200rpm 2.5"	None	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	USB (Slim) / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	08/14

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Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	Media Reader	WLAN + Bluetooth	Camera	Keyboard / Mouse	Stand	Color	Operating System	Warranty	Ann Date (m/y)
10E00027US	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	None	500GB 7200rpm 2.5"	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	11/14
10E00028US	US	i3-4005U	Intel HD 4400	8GBx1	19.5" HD+ (1600x900)	None	500GB 7200rpm 2.5"	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	11/14
10E00029US	US	i3-4005U	Intel HD 4400	2GBx1	19.5" HD+ (1600x900)	None	500GB 7200rpm 2.5"	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	11/14
10E0002AUS	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	None	64GB SSD	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	11/14
10E0002BUS	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	None	180GB SSD	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	11/14

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Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	Media Reader	WLAN + Bluetooth	Camera	Keyboard / Mouse	Stand	Color	Operating System	Warranty	Ann Date (m/y)
10E2001QUS	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	500GB 7200rpm 2.5"	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	11/14
10E2001RUS	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	180GB SSD	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	11/14
10E2001SUS	US	i3-4005U	Intel HD 4400	8GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	500GB 7200rpm 2.5"	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	11/14
10E2001TUS	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	128GB SSD	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	11/14
10E2001UUS	US	i3-4005U	Intel HD 4400	8GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	256GB SSD Opal	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	11/14
10E20044US	US	i3-4005U	Intel HD 4400	8GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	1TB 5400rpm 2.5"	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	1-year, Onsite	06/15

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Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	Media Reader	WLAN + Bluetooth	Camera	Keyboard / Mouse	Stand	Color	Operating System	Warranty	Ann Date (m/y)
10D5000FUS	US	Pentium J2900	Intel HD	4GBx1	19.5" HD+ (1600x900)	None	500GB 7200rpm 2.5"	None	None	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	08/14

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Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	Media Reader	WLAN + Bluetooth	Camera	Keyboard / Mouse	Stand	Color	Operating System	Warranty	Ann Date (m/y)
10D7000HUS	US	Pentium J2900	Intel HD	8GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	500GB 7200rpm 2.5"	None	None	Intel 7260 ac, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	08/14
10D7000KUS	US	Pentium J2900	Intel HD	4GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	500GB 7200rpm 2.5"	None	None	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	08/14

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Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	Media Reader	WLAN + Bluetooth	Camera	Keyboard / Mouse	Stand	Color	Operating System	Warranty	Ann Date (m/y)
10E10002US	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	None	500GB 7200rpm 2.5"	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14
10E10005US	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	None	180GB SSD	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14
10E10006US	US	i3-4005U	Intel HD 4400	8GBx1	19.5" HD+ (1600x900)	None	256GB SSD Opal	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14
10E10007US	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	None	64GB SSD	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14
10E10008US	US	i3-4005U	Intel HD 4400	8GBx1	19.5" HD+ (1600x900)	None	500GB 7200rpm 2.5"	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14

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Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	Media Reader	WLAN + Bluetooth	Camera	Keyboard / Mouse	Stand	Color	Operating System	Warranty	Ann Date (m/y)
10E30007US	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	500GB 7200rpm 2.5"	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14
10E30008US	US	i3-4005U	Intel HD 4400	4GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	180GB SSD	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14
10E30009US	US	i3-4005U	Intel HD 4400	8GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	500GB 7200rpm 2.5"	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14
10E3000AUS	US	i3-4005U	Intel HD 4400	8GBx1	19.5" HD+ (1600x900)	10-point Multi-touch	256GB SSD Opal	None	7-in-1	Intel 7260 b/g/n, 2x2 + BT4.0	720p	USB / USB	Frame Stand	Black	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14

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ThinkCentre M700z Platform Specifications

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics
Celeron G3900T	2 / 2	2.6 G	2 MB	DDR4-2133	HD 510
Pentium G4400T	2 / 2	2.9 G	3 MB	DDR4-2133	HD 510
Core i3-6100T	2 / 4	3.2 G	3 MB	DDR4-2133	HD 530
Core i5-6400T	4 / 4	2.2 G / 2.8 G	6 MB	DDR4-2133	HD 530
Core i5-6500T	4 / 4	2.5 G / 3.1 G	6 MB	DDR4-2133	HD 530
Core i5-6600T	4 / 4	2.7 G / 3.5 G	6 MB	DDR4-2133	HD 530
Core i7-6700T	4 / 8	2.8 G / 3.6 G	8 MB	DDR4-2133	HD 530

Memory

32GB max, DDR4 2133, two 260-pin SO-DIMM sockets, dual-channel capable

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" Wide, 5400 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

Some: DVD, SATA 1.5Gb/s, 9.5mm high
Some: DVD burner, SATA 1.5Gb/s, 9.5mm high

Media reader

Optional 9-in-1 media card reader

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™;
Max resolution: 4096x2304 (DP)@60Hz

Display

20" (508mm) **HD+ (1600x900) TFT color**, wide viewing angle 178° (Horizontal), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare

Light sensor

None

Multi-touch

None

Camera

Optional 1.0-megapixel camera, fixed focus, supports 720p, with digital microphone, LED indicator, physical switch on/off

Controls

Microphone mute, brightness up/down buttons, and power button

Chipset

Intel H110 Chipset

Rear ports

Four USB 2.0, ethernet (RJ-45), DisplayPort, optional serial (9-pin),

Side ports

Two USB 3.0 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)

M.2 card slot

One M.2 Card slot (for WLAN)

Audio support

High Definition (HD) Audio, Realtek ALC233 / two internal stereo speakers (2W x 2), Dolby® Audio™ certified

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

Gigabit ethernet, Realtek RTL8111G, Wake on LAN®

Manageability

None

Security chip

Trusted Platform Module (TPM 1.2-compliant)

Security features

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- Power-on, admin, hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional Chassis intrusion switch

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo Slim USB Keyboard (USB connector), black
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Business black color
- Toolless stand
- Support VESA mount (100mm)

	Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments
Without stand:	19.8 X 1.5 X 13.5 (inch); 503 X 38 X 344 (mm)	10.2 / 4.62	N/A
With Basic Monitor stand:	19.8 X 9.6 X 16.2 (inch); 503 X 245 X 412 (mm)	14.6 / 6.6	Tilt: 45° back, -5° forward
With Full Function Monitor stand:	19.8 X 9.6 X 15.7 (inch); 503 X 245 X 400 (mm)	14.9 / 6.77	Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°

Power supply

120 watts adapter, autosensing, 89% PSU

Limited warranty[3]

Some: **1-year or 3-year, depot repair service**
Some: **1-year** or **3-year**, **limited onsite service**
Some: **3-years**, **limited onsite service, OID** (Onsite International Delivery) /
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified; ErP Lot 3; GREENGUARD® certified; RoHS-compliant

MIL-SPEC test

MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10EY0006US	US	i3-6100T	No	Intel HD 530	None	8GBx1	20.0" HD+ (1600x900) WVA AG	None	256GB SSD	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY0007US	US	i3-6100T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	120GB SSD	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY0008US	US	i5-6400T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	120GB SSD	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY0009US	US	Celeron G3900T	No	Intel HD 510	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 Pro 64	3-year, Onsite	12/15
10EY000AUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	20.0" HD+ (1600x900) WVA AG	None	256GB SSD	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY000BUS	US	i3-6100T	No	Intel HD 530	None	8GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY000CUS	US	i7-6700T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 Pro 64	3-year, Onsite	12/15
10EY000DUS	US	i7-6700T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	120GB SSD	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY000EUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY000FUS	US	i5-6400T	No	Intel HD 530	None	8GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY000GUS	US	i7-6700T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY000HUS	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 Pro 64	3-year, Onsite	12/15
10EY000JUS	US	i5-6400T	No	Intel HD 530	None	8GBx1	20.0" HD+ (1600x900) WVA AG	None	256GB SSD	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY000KUS	US	Celeron G3900T	No	Intel HD 510	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY000LUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY000MUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 Pro 64	3-year, Onsite	12/15
10EY000NUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY000PUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 Pro 64	3-year, Onsite	12/15
10EY000QUS	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EY002LUS	US	i5-6400T	No	Intel HD 530	None	8GBx1	20.0" HD+ (1600x900) WVA AG	None	256GB SSD Opal	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10EY002MUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	20.0" HD+ (1600x900) WVA AG	None	256GB SSD Opal	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16
10EY002NUS	US	i3-6100T	No	Intel HD 530	None	8GBx1	20.0" HD+ (1600x900) WVA AG	None	256GB SSD Opal	DVD±RW	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	None	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10F10001US	US	i5-6600T	No	Intel HD 530	None	4GBx2	20.0" HD+ (1600x900) WVA AG	None	120GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	720p	Switch	2.4G / 2.4G	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite, OID	12/15
10F10002US	US	i5-6600T	No	Intel HD 530	None	4GBx2	20.0" HD+ (1600x900) WVA AG	None	128GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	720p	Switch	2.4G / 2.4G	Monitor Stand	120W 89% Adapter	Win10 Pro 64	3-year, Onsite, OID	12/15
10F10003US	US	i5-6400T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	1TB 5400rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	720p	Switch	USB / USB	Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite, OID	12/15
10F10004US	US	i5-6400T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 5400rpm 2.5"	DVD	None	3165 ac, 1x1 + BT4.0	None	720p	Switch	USB / USB	Basic Monitor Stand	120W 89% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite, OID	12/15
10F10005US	US	i5-6400T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	1TB 5400rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	720p	Switch	USB / USB	Monitor Stand	120W 89% Adapter	Win10 Pro 64	3-year, Onsite, OID	12/15
10F10006US	US	i5-6400T	No	Intel HD 530	None	4GBx1	20.0" HD+ (1600x900) WVA AG	None	500GB 5400rpm 2.5"	DVD	9-in-1	3165 ac, 1x1 + BT4.0	None	720p	Switch	USB / USB	Basic Monitor Stand	120W 89% Adapter	Win10 Pro 64	3-year, Onsite, OID	12/15

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ThinkCentre M800z Platform Specifications

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics
Celeron G3900	2 / 2	2.8 G	2 MB	DDR4-2133	HD 510
Pentium G4400	2 / 2	3.3 G	3 MB	DDR4-2133	HD 510
Pentium G4500	2 / 2	3.5 G	3 MB	DDR4-2133	HD 530
Core i3-6100	2 / 4	3.7 G	3 MB	DDR4-2133	HD 530
Core i3-6300	2 / 4	3.8 G	4 MB	DDR4-2133	HD 530
Core i5-6400	4 / 4	2.7 G / 3.3 G	6 MB	DDR4-2133	HD 530
Core i5-6500	4 / 4	3.2 G / 3.6 G	6 MB	DDR4-2133	HD 530
Core i5-6600	4 / 4	3.3 G / 3.9 G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4 G / 4.0 G	8 MB	DDR4-2133	HD 530

Memory

32GB max, DDR4 2133, two 260-pin SO-DIMM sockets, dual-channel capable

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" Wide, 5400 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

Some: DVD, SATA 1.5Gb/s, 9.5mm high
Some: DVD burner, SATA 1.5Gb/s, 9.5mm high

Media reader

Optional 9-in-1 media card reader

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™;
Max resolution: 4096x2304 (DP)@60Hz

Display

21.5" (546.1mm) **Full HD 1080p (1920x1080) TFT color**, MVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare for both touch models and non-touch models

Light sensor

None

Multi-touch

Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch

Camera

Optional 1.0-megapixel camera, fixed focus, supports 720p, with digital microphone, LED indicator, physical switch on/off

Controls

Microphone mute, brightness up/down buttons, and power button

Chipset

Intel H110 Chipset

Rear ports

Four USB 2.0, ethernet (RJ-45), DisplayPort, optional serial (9-pin),

Side ports

Two USB 3.0 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)

M.2 card slot

One M.2 Card slot (for WLAN)

Audio support

High Definition (HD) Audio, Realtek ALC233 / two internal stereo speakers (2W x 2), Dolby® Audio™ certified

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

Gigabit ethernet, Realtek RTL8111G, Wake on LAN®

Manageability

None

Security chip

Trusted Platform Module (TPM 1.2-compliant)

Security features

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- Power-on, admin, hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional Chassis intrusion switch

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo Slim USB Keyboard (USB connector), black
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Business black color
- Toolless stand
- Support VESA mount (100mm)

	Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments
Without stand:	21.1 X 1.8 X 14.3 (inch); 535 X 45 X 363 (mm)	(Touch) 14.6 / 6.6 (Non-touch) 12.8 / 5.8	N/A
With Basic Monitor stand:	21.1 X 9.6 X 17.0 (inch); 535 X 245 X 431 (mm)	(Non-touch) 17.0 / 7.7	Tilt: 45° back, -5° forward
With UltraFlex II stand:	21.1X 10.0 X 19.3 (inch); 535 X 253 X 489 (mm)	(Touch) 20.3 / 9.2 (Non-touch) 18.3 / 8.3	Tilt: 61° back, -5° forward; Lift: 160mm; Swivel: +/-45°

Power supply

150 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year or 3-year, depot repair service**
Some: **1-year** or **3-year**, **limited onsite service**
Some: **3-years**, **limited onsite service, OID** (Onsite International Delivery) /
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified; ErP Lot 3; GREENGUARD® certified; RoHS-compliant

MIL-SPEC test

MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10ET0002US	US	i5-6500	No	Intel HD 530	DP to HDMI	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10ET0003US	US	i7-6700	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10ET0004US	US	i5-6500	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10ET0005US	US	i7-6700	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10ET0007US	US	i5-6500	No	Intel HD 530	DP to HDMI	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10ET0009US	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10ET000AUS	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10ET000CUS	US	i5-6400	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10ET001AUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10ET001BUS	US	i7-6700	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10ET001CUS	US	i3-6100	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	120GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10ET001DUS	US	i3-6100	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10ET001EUS	US	i5-6400	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10ET001FUS	US	i3-6100	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	12/15
10ET001GUS	US	Celeron G3900	No	Intel HD 510	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10ET001HUS	US	i7-6700	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10ET001JUS	US	i7-6700	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	120GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10ET001KUS	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	120GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10ET001LUS	US	i3-6100	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10ET001MUS	US	i3-6100	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10ET0026US	US	i7-6700	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16
10ET0027US	US	i5-6400	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16
10ET0028US	US	i3-6100	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10EU001PUS	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	Basic Monitor Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10EU001QUS	US	i7-6700	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10EU001RUS	US	i7-6700	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	Basic Monitor Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10EU001SUS	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10EU001TUS	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10EU001UUS	US	i7-6700	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10EU001VUS	US	i7-6700	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10EU001WUS	US	i5-6400	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10EU002WUS	US	i7-6700	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	120GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10EU002XUS	US	i3-6100	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EU002YUS	US	i5-6400	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10EU0030US	US	Pentium G4400	No	Intel HD 510	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EU0031US	US	i3-6100	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EU0032US	US	Celeron G3900	No	Intel HD 510	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10EU0033US	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	120GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10EU0034US	US	i3-6100	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EU0035US	US	i3-6100	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	120GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10EU0036US	US	i7-6700	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10EU0037US	US	i3-6100	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	12/15
10EU0048US	US	i7-6700	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10EU0049US	US	i3-6100	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16
10EU004AUS	US	i5-6400	No	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10EW000UUS	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	1TB 5400rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	Switch	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10EW000VUS	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	1TB 5400rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2 + BT4.1	None	720p	Switch	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite, OID	11/15
10EW000WUS	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 5400rpm 2.5"	DVD	None	8260 ac, 2x2 + BT4.1	None	720p	Switch	USB / USB	Basic Monitor Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10EW000XUS	US	i5-6400	No	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	500GB 5400rpm 2.5"	DVD	None	8260 ac, 2x2 + BT4.1	None	720p	Switch	USB / USB	Basic Monitor Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite, OID	11/15

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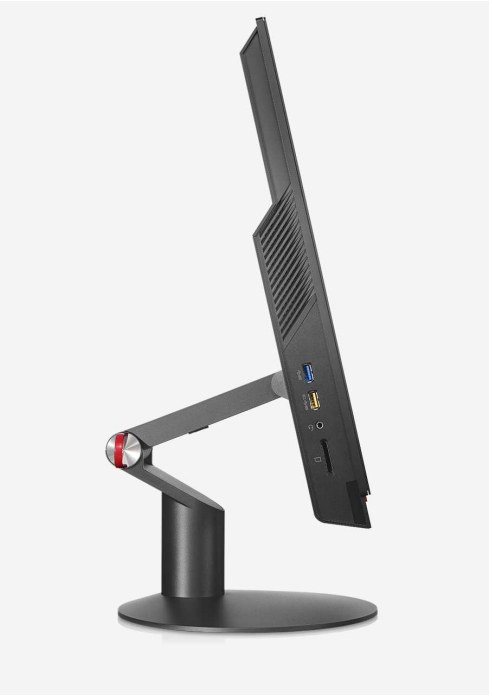












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ThinkCentre M900z Platform Specifications

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics	Intel vPro
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510	No
Pentium G4500	2 / 2	3.5G	3 MB	DDR4-2133	HD 530	No
Core i3-6100	2 / 4	3.7 G	3 MB	DDR4-2133	HD 530	No
Core i3-6300	2 / 4	3.8 G	4 MB	DDR4-2133	HD 530	No
Core i5-6400	4 / 4	2.7 G / 3.3 G	6 MB	DDR4-2133	HD 530	No
Core i5-6500	4 / 4	3.2 G / 3.6 G	6 MB	DDR4-2133	HD 530	vPro
Core i5-6600	4 / 4	3.3 G / 3.9 G	6 MB	DDR4-2133	HD 530	vPro
Core i7-6700	4 / 8	3.4 G / 4.0 G	8 MB	DDR4-2133	HD 530	vPro

Memory

32GB max, DDR4 2133, two 260-pin SO-DIMM sockets, dual-channel capable

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" Wide, 5400 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

Some: DVD, SATA 1.5Gb/s, 9.5mm high
Some: DVD burner, SATA 1.5Gb/s, 9.5mm high

Media reader

Optional 9-in-1 media card reader

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™;
Max resolution: 4096x2304 (DP)@60Hz

Display

23.8" (604.5mm) **Full HD 1080p (1920x1080) TFT color**, WVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare for both touch models and non-touch models, work as standalone monitor via DisplayPort (DP in / out combo)

Light sensor

None

Multi-touch

Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch

Camera

Optional 2.0-megapixel camera, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off, Skype for Business certified

Controls

Microphone mute, monitor mode switch, brightness up/down buttons, and power button

Chipset

Intel Q170 Chipset

Rear ports

Four USB 3.0, ethernet (RJ-45), DisplayPort in/out combo port, optional serial (9-pin),

Side ports

Two USB 3.0 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)

M.2 card slot

One M.2 Card slot (for WLAN)

Audio support

High Definition (HD) Audio, Realtek ALC286 / two internal stereo speakers (3W x 2), Dolby® Audio™ certified, Skype for Business certified

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®

Manageability

Intel Active Management Technology 11.0 (Intel AMT 11.0);
Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)

Security chip

Trusted Platform Module (TPM 1.2-compliant)

Security features

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- Power-on, admin, hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional Chassis intrusion switch

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo Slim USB Keyboard (USB connector), black
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Business black color
- Toolless back cover, stand, disk, memory removal
- Support VESA mount (100mm)

	Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments
Without stand:	23.0 X 1.8 X 15.4 (inch); 584 X 45 X 390 (mm)	(Touch) 17.2 / 7.8 (Non-touch) 15.0 / 6.8	N/A
With Basic Monitor stand:	23.0 X 9.6 X 18.0 (inch); 584 X 245 X 458 (mm)	(Non-touch) 19.4 / 8.8	Tilt: 45° back, -5° forward
With UltraFlex II stand:	23.0X 10.0 X 19.9 (inch); 584 X 253 X 505 (mm)	(Touch) 22.7 / 10.3 (Non-touch) 20.7 / 9.4	Tilt: 61° back, -5° forward; Lift: 160mm; Swivel: +/-45°

Power supply

150 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year or 3-year, depot repair service**
Some: **1-year** or **3-year**, **limited onsite service**
Some: **3-years**, **limited onsite service, OID** (Onsite International Delivery) /
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant

MIL-SPEC test

MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)

Accessories

For compatible accessories, please go to TC-AQP sheet

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10F20005US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	Switch	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10F20006US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10F20008US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10F20009US	US	i7-6700	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	Switch	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10F2000AUS	US	i5-6600	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 32	3-year, Onsite	11/15
10F2000YUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10F20010US	US	i7-6700	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10F2001BUS	US	i7-6700	vPro	Intel HD 530	None	4GBx2	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	128GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	1-year, Onsite	11/15
10F20022US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	128GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10F20023US	US	i7-6700	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	128GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	03/16
10F20024US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10F20025US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	128GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	03/16
10F20026US	US	i7-6700	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	128GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10F20027US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	03/16
10F20028US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10F20029US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	03/16
10F2002PUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16
10F2002QUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	12/16
10F2002RUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	12/16
10F2002SUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	12/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10F30005US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10F30006US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10F30009US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10F3000AUS	US	i7-6700	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	500GB 7200rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	11/15
10F3001FUS	US	i7-6700	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	128GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	05/16
10F3001GUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	128GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	05/16
10F3001HUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	05/16
10F3001JUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	256GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	05/16
10F30023US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	12/16
10F30024US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	256GB SSD Opal	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite	12/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10F40013US	US	i7-6700	vPro	Intel HD 530	None	4GBx2	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	128GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	Switch	2.4G / 2.4G	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite, OID	11/15
10F40014US	US	i7-6700	vPro	Intel HD 530	None	4GBx2	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	128GB SSD	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	Switch	2.4G / 2.4G	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10F5000XUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	1TB 5400rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	None	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 Pro 64	3-year, Onsite, OID	11/15
10F5000YUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	1TB 5400rpm 2.5"	DVD±RW	9-in-1	8260 ac, 2x2, vPro + BT4.1	None	1080p	Switch	USB / USB	UltraFlex II Stand	150W 85% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15

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ThinkCentre M600 Tiny Platform Specifications

Processor

Intel® Celeron® Processor N3000 Series or Intel Pentium® Processor N3000 Series

Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
Celeron N3000	2 / 2	1.04 / 2.08 GHz	2MB	DDR3L-1600	Intel HD
Celeron N3010	2 / 2	1.04 / 2.24 GHz	2MB	DDR3L-1600	Intel HD 400
Celeron N3050	2 / 2	1.6 / 2.16 GHz	2MB	DDR3L-1600	Intel HD
Pentium N3700	4 / 4	1.6 / 2.4 GHz	2MB	DDR3L-1600	Intel HD
Pentium J3710	4 / 4	1.6 / 2.64 GHz	2MB	DDR3L-1600	Intel HD 405

Chipset

Intel Architecture (IA) SoC that integrates Intel processor core, graphics, memory controller, and I/O interfaces into a single system-on-chip solution

Graphics

Intel HD Graphics in processor, uses main memory, DirectX® 11.1, twoDisplayPort™, one optional 3rd DP or VGA, supports triple independent display; Maximum resolution: 3840x2160(DP)@30Hz; 1920x1200(optional VGA)@60Hz; 1920x1080(DP to VGA dongle)@60Hz; 1920x1080(DP to DVI dongle)@60Hz; 3840x2160(DP to HDMI dongle)@30Hz

Monitor cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Memory

8GB max / DDR3 Low Voltage, DDR3L-1600, non-parity, one 204-pin SO-DIMM socket

Storage

Some: M.2 Solid State Drive (SSD), SATA interface
Some: hard disk, 5400 or 7200 rpm, SATA 6.0Gb/s, 2.5" Wide
Some: 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

Some: external ODD box with DVD-ROM, 9.5mm high, via USB
Some: external ODD box with DVD±RW, 9.5mm high, via USB
Some: external ODD box (for TIO) with DVD-ROM, 9.5mm high, via USB
Some: external ODD box (for TIO) with DVD±RW, 9.5mm high, via USB

Onboard SATA

SATA 6.0Gb/s controller, one connectors on planar

Media reader

None

Front ports

Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)

Rear ports

Two USB 2.0, two USB 3.0 (optional external optical box or I/O box occupies one or two specific USB on some models), ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, or serial on some models), one headphone; additional four serial (9-pin), one parallel (25-pin), and two PS/2 ports on 2L models

I/O box

Optional external I/O box, extends two USB 2.0, two USB 3.0, and one serial on rear, two USB 2.0 on front, via USB (occupy two specific USB 3.0 of M600 Tiny)

Audio support

High Definition (HD) Audio, Realtek ALC223 / optional internal speaker (1 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®

Modem

None

Manageability

None

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Padlock loop
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch

Keyboard

Some: PS/2 Keyboard (PS/2 connector), Lenovo logo
Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: PS/2 Optical Wheel Mouse, black, Lenovo logo
Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Tiny (1L or 2L), black color; metal case

	Dimensions (WxDxH)	Max weight (lb / kg)
M600 Tiny only (1L)	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.9 lb (1.3 kg)
M600 Tiny only (2L)	7.05" X 7.20" X 3.15" 179mm X 182.9mm X 80mm	4.2 lb (1.9 kg)
M600 Tiny (1L) with VESA mount & ODD box	7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm	4.12 lb (1.87 kg)
M600 Tiny (1L) with VESA mount & I/O box	7.42" X 7.30" X 2.62" 188.4mm X 185.38mm X 66.6mm	3.53 lb (1.6 kg)

VESA mount

Optional VESA mount bracket kit, supports VESA 75mm and 100mm

Floor Stand

Optional system floor stand for vertical orientation

Power supply

65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)
90 watts AC/DC adapter, autosensing, 88% PSU (only for models with I/O box)

Limited warranty[3]

Some: 1-year or 3-year, depot service / service upgrades available
Some: 1-year or 3-year, limited onsite service / service upgrades available
Some: 3-year, limited onsite service, OID (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows® 10 Pro 64-bit
Some: Windows 10 Home 64-bit
Some: Windows® Embedded Standard 7 (WES 7)
Some: LeTOS (Lenovo Terminal Operating System, Linux-based)

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools

- Only for Window 10

- Lenovo Companion (Win10)
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Preloaded applications (only some listed)

- WES 7 only:
- RDP Client (RDP 8.1 support)
- Citrix Client
- VMware Client
- Internet Explorer 11
- Java
- Flash
- .Net Framework
- Microsoft® Silverlight
- Echo Agent (client for LTM, Lenovo Thin Client Manager)
- Adobe Reader
- UltraVNC

- LeTOS only:

- xFreeRDP
- Citrix ICA Client
- VMware View Client
- Java
- Mozilla Firefox

Environment

ENERGY STAR® 6.0*, EPEAT™ Gold rating* (*for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10G9000NUS	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	10/15
10G9000XUS	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	05/16
10G9000YUS	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	05/16
10G90010US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	05/16
10G90011US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	05/16
10G90012US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	05/16
10G90013US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	05/16
10G90014US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	05/16
10G90015US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	05/16
10G90016US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	05/16
10G9001CUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	07/16
10G9001DUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	07/16
10G9001EUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	07/16
10G9001FUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	07/16
10G9001GUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	07/16
10G9001HUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	1-year, Onsite	07/16
10G9001QUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	09/16
10G9001RUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	09/16
10G9001SUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	09/16
10G9001TUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	09/16

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Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10G9001UUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	09/16
10G9001VUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	09/16
10G9001WUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	1-year, Onsite	09/16

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Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GB000JUS	US	1L	Celeron N3050	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/15
10GB000KUS	US	1L	Celeron N3050	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10GB000LUS	US	1L	Celeron N3050	No	Intel HD	None	4GBx1	120GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10GB000MUS	US	1L	Celeron N3050	No	Intel HD	None	4GBx1	120GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/15

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Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10KH0001US	US	1L	Celeron N3000	No	Intel HD	None	2GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	1-year, Onsite	01/16
10KH0002US	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	01/16
10KH0003US	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	1-year, Onsite	01/16
10KH0004US	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	01/16
10KH0005US	US	1L	Celeron N3000	No	Intel HD	None	2GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	01/16
10KH0006US	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	01/16
10KH0007US	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	1-year, Onsite	01/16
10KH0008US	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	1-year, Onsite	01/16
10KH0009US	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	01/16
10KH000AUS	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	01/16
10KH000BUS	US	1L	Celeron N3000	No	Intel HD	None	2GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	1-year, Onsite	01/16
10KH000CUS	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	1-year, Onsite	01/16
10KH000DUS	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	01/16
10KH000EUS	US	1L	Celeron N3000	No	Intel HD	None	2GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	01/16
10KH000FUS	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	1-year, Onsite	01/16
10KH000GUS	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	01/16
10KH0023US	US	1L	Celeron N3010	No	Intel HD 400	None	2GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	1-year, Onsite	07/16
10KH0024US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	1-year, Onsite	07/16
10KH0025US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	1-year, Onsite	07/16
10KH0026US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	1-year, Onsite	07/16

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Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10KH0027US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	1-year, Onsite	07/16
10KH0028US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	1-year, Onsite	07/16
10KH0029US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	1-year, Onsite	07/16

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Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10G8000QUS	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	QCA6174 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	10/15
10G8000RUS	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	QCA6174 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite, OID	10/15
10G8000SUS	US	1L	Pentium N3700	No	Intel HD	None	2GBx1	500GB 7200rpm 2.5"	None	QCA9377 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite, OID	10/15
10G8000TUS	US	1L	Pentium N3700	No	Intel HD	None	2GBx1	500GB 7200rpm 2.5"	None	QCA9377 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	10/15

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Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GA000JUS	US	1L	Celeron N3050	No	Intel HD	None	2GBx1	500GB 7200rpm 2.5"	None	None	None	Switch	None	1Wx1	None	None	USB / USB	None	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	10/15
10GA000KUS	US	1L	Celeron N3050	No	Intel HD	None	2GBx1	500GB 7200rpm 2.5"	DVD±RW	None	None	Switch	None	1Wx1	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite, OID	10/15

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Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GC0001US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW (TIO)	QCA6174 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	None	None	Win10 Pro 64	3-year, Onsite, OID	10/15
10GC0002US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	QCA6174 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	None	None	Win10 DG Win7 Pro 64	3-year, Onsite, OID	10/15

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Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GE0001US	US	1L	Celeron N3050	No	Intel HD	None	2GBx1	500GB 7200rpm 2.5"	None	QCA9377 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	None	None	Win10 DG Win7 Pro 64	3-year, Onsite, OID	10/15

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ThinkCentre M700 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics
Celeron G3900	2 / 2	2.8 G	2 MB	DDR4-2133	HD 510
Pentium G4400	2 / 2	3.3 G	3 MB	DDR4-2133	HD 510
Pentium G4500	2 / 2	3.5 G	3 MB	DDR4-2133	HD 530
Core i3-6100	2 / 4	3.7 G	3 MB	DDR4-2133	HD 530
Core i3-6300	2 / 4	3.8 G	4 MB	DDR4-2133	HD 530
Core i5-6400	4 / 4	2.7 G / 3.3 G	6 MB	DDR4-2133	HD 530
Core i5-6500	4 / 4	3.2 G / 3.6 G	6 MB	DDR4-2133	HD 530
Core i5-6600	4 / 4	3.3 G / 3.9 G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4 G / 4.0 G	8 MB	DDR4-2133	HD 530

Memory

32GB max, UDIMM, DDR4 2133, two 288-pin DIMM sockets, dual-channel capable

Disk

Some: Hard disk, SATA 6.0Gb/s, 2.5"/ 3.5" wide, 5400 / 7200 rpm
Some: Solid State Hybrid Drive (SSHD), 500GB (5400 rpm, 2.5") / 1TB or 2TB (7200 rpm, 3.5"), with 8GB NAND flash memory, SATA 6.0Gb/s
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive
Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive

Onboard SATA

Three onboard SATA 6.0Gb/s connectors

Media reader

Optional 9-in-1 media reader

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, one VGA, one DisplayPort™, supports two independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 1920x1200 (VGA)@60Hz
Some: **NVIDIA® Quadro® K420**, DirectX 12, 2GB, PCIe 2.0 x16 adapter, one DVI-I, one DisplayPort, 41 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz; 2560x1600 (DVI-I)@60Hz
Some: **NVIDIA Geforce® GT 720**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, one VGA, one HDMI, 25 watts;
Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz
Some: **NVIDIA Geforce GT 720**, DirectX 12, 1GB, PCIe 2.0 x8 adapter, two DisplayPort, 25 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;

DP cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Chipset

Intel H110 Chipset

Front ports

Two USB 3.0, two optional USB 2.0, microphone (3.5mm), headphone (3.5mm)

Rear ports

Two USB 3.0, two USB 2.0, two optional USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, one DisplayPort, two PS/2 ports (keyboard/mouse);
additional VGA, DisplayPort, DVI-I or HDMI on optional graphics on some models

Rear audio ports

Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)

IEEE 1394

None

Audio support

High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

Gigabit ethernet, Realtek RTL8111GN, Wake on LAN®

Modem

None

Manageability

None

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- One lock to secure both cover and entire system to fixed object:
  -Padlock loop (in rear for opt padlock)
  -Security slot (in rear for optional Kensington® MicroSaver® cable)
- Optional cable lock to physically lock both keyboard and mouse
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional chassis intrusion switch

Keyboard

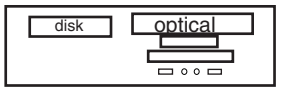
Some: PS/2 Keyboard (PS/2 connector), Lenovo logo
Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: PS/2 Optical Wheel Mouse, black, Lenovo logo
Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- SFF (9.7L), black color; metal case
- *(WxDxH)* 13.31" X 14.05" X 3.46"; 338mm X 357mm X 88mm
- 12.3 lb (5.6 kg)
- Toolless cover, disk, optical removal
- Toolless graphics, PCI adapter retention
- Optional dust filter



Bay 1: N/A, 9.5mm high, external, std optical
Bay 2: 3.5", 1" high, internal, std disk
Bay 3: 2.5", N/A, internal, opt 2nd 2.5" disk (optional bay)
Bay 4: N/A, N/A, external, opt reader
Slot 1: Low Profile, PCI Express 3.0 x16
Slot 2: Low Profile, PCIe 2.0 x1
Slot 3: Low Profile, PCIe 2.0 x1

Floor Stand

Optional system floor stand for vertical orientation

Power supply

Some: 180 watts, autosensing, 85% PSU
Some: 210 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year** or **3-year**, **depot service** / service upgrades available
Some: **1-year** or **3-year**, **limited onsite service** / service upgrades available
Some: **3-year**, **limited onsite service, OID** (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 32/64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

ENERGY STAR® 6.0*, EPEAT™ Gold rating* (*Need 85% PSU and Windows OS); ErP Lot 3; GREENGUARD®; RoHS-compliant

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GT002DUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002EUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002FUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002GUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002HUS	US	i5-6400	No	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002JUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002KUS	US	i7-6700	No	Intel HD 530	None	8GBx1	192GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002LUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002MUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002NUS	US	i5-6400	No	GT 720 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002PUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002QUS	US	i7-6700	No	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002RUS	US	i7-6700	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002SUS	US	i5-6400	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002TUS	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002UUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002VUS	US	i5-6400	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT002WUS	US	i5-6400	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT0036US	US	i5-6400	No	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT0037US	US	i5-6400	No	Intel HD 530	None	8GBx1	192GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GT0038US	US	i5-6400	No	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT0039US	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT003AUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	Intel 3165 ac, 1x1 + BT4.0	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT003BUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT003CUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GT003DUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	01/16
10GT003EUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	01/16
10GT003FUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	Intel 3165 ac, 1x1 + BT4.0	None	None	None	None	None	None / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	01/16
10GT003GUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	Intel 3165 ac, 1x1 + BT4.0	None	None	None	None	None	None / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	01/16
10GT004GUS	US	i5-6500	No	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10GT004HUS	US	i5-6500	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10GT004YUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	Intel 3165 ac, 1x1 + BT4.0	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	05/16
10GT0050US	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	05/16
10GT0051US	US	i5-6400	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	05/16
10GT0052US	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	05/16
10GT0053US	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	05/16
10GT0054US	US	i7-6700	No	Intel HD 530	None	8GBx1	180GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	05/16
10GT0055US	US	i7-6700	No	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	05/16
10GT0056US	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	05/16
10GT005EUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	10/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GT005FUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10GT005GUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10GT005HUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	10/16

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ThinkCentre M700 Tiny Platform Specifications

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics
Pentium G4400T	2 / 2	2.9 G	3 MB	DDR4-2133	HD 510
Pentium G4500T	2 / 2	3.0 G	3 MB	DDR4-2133	HD 530
Core i3-6100T	2 / 4	3.2 G	3 MB	DDR4-2133	HD 530
Core i3-6300T	2 / 4	3.3 G	4 MB	DDR4-2133	HD 530
Core i5-6400T	4 / 4	2.2 G / 2.8 G	6 MB	DDR4-2133	HD 530
Core i5-6500T	4 / 4	2.5 G / 3.1 G	6 MB	DDR4-2133	HD 530
Core i5-6600T	4 / 4	2.7 G / 3.5 G	6 MB	DDR4-2133	HD 530
Core i7-6700T	4 / 8	2.8 G / 3.6 G	8 MB	DDR4-2133	HD 530

Memory

32GB max, DDR4 2133, two 260-pin SO-DIMM sockets, dual-channel capable

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide
Some: M.2 Solid State Drive (SSD) / SATA interface

Optical

Some: external ODD box with DVD-ROM, 9.5mm high, via USB
Some: external ODD box with DVD±RW, 9.5mm high, via USB
Some: external ODD box (for TIO) with DVD-ROM, 9.5mm high, via USB
Some: external ODD box (for TIO) with DVD±RW, 9.5mm high, via USB

Onboard SATA

One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

Media reader

None

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional HDMI, VGA, or 3rd DP, up to 3 independent displays;
Max resolution: 4096x2304 (DP)@60Hz; 4096x2160 (HDMI)@24Hz; 1920x1200 (VGA)@60Hz

DP cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Chipset

Intel B150 Chipset

Front ports

Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)

Rear ports

Four USB 3.0 (optional external optical box or external I/O box occupies one or two specific USB 3.0 on some models), ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, HDMI, or serial on some models), one headphone

I/O box

Optional external I/O box, extends two USB 2.0, two USB 3.0, and one serial on rear, two USB 2.0 on front, via USB (occupy two specific USB 3.0 of M700 Tiny)

Audio support

High Definition (HD) Audio, Realtek ALC223 / optional internal speaker (1 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

Gigabit ethernet, Intel Ethernet Connection I219-LV (Jacksonville), Wake on LAN®

Modem

None

Manageability

None

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Padlock loop
- Smart USB protection, allows keyboard/ mouse only, blocks all storage devices
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

Tiny (1L), black color; metal case
M700 Tiny only:
7.05" W X 7.20" D X 1.36" H
179mm W X 182.9mm D X 34.5mm H
2.9 lb (1.3 kg), weight may vary by configuration
With VESA mount & ODD box:
7.42" W X 7.30" D X 2.48" H
188.4mm W X 185.38mm D X 63mm H
4.12 lb (1.87 kg), weight may vary by configuration
With VESA mount & I/O box:
7.42" W X 7.30" D X 2.62" H
188.4mm W X 185.38mm D X 66.6mm H
3.53 lb (1.6 kg), weight may vary by configuration

VESA mount

Optional VESA mount bracket kit, supports VESA 75mm and 100mm

Floor Stand

Optional system floor stand for vertical orientation

Power supply

65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)
90 watts AC/DC adapter, autosensing, 88% PSU (only for models with I/O box)

Limited warranty[3]

Some: 1-year or 3-year, depot service / service upgrades available
Some: 1-year or 3-year, limited onsite service / service upgrades available
Some: 3-year, limited onsite service, OID (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 32/64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools
- Intel Unite (vPro models only)

- Only for Window 10
- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7
- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Some: Windows® Embedded Standard 7 (WES 7)
Some: LeTOS (Lenovo Terminal Operating System, Linux-based)

Preloaded applications (only some listed)

- WES 7 only:
- RDP Client (RDP 8.1 support)
- Citrix Client
- VMware Client
- Internet Explorer 11
- Java
- Flash
- .Net Framework
- Microsoft® Silverlight
- Echo Agent (client for LTM, Lenovo Thin Client Manager)
- Adobe Reader
- UltraVNC

- LeTOS only:
- xFreeRDP
- Citrix ICA Client
- VMware View Client
- Java
- Mozilla Firefox

Environment

ENERGY STAR® 6.0*, EPEAT™ Gold rating* (*for Windows models only); ErP Lot 3; GREENGUARD®; RoHS-compliant

MIL-SPEC test

MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)

Accessories

For compatible accessories, please go to TC-AQP sheet

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10HY0004US	US	i5-6400T	No	Intel HD 530	None	4GBx1	120GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0005US	US	i5-6400T	No	Intel HD 530	None	4GBx1	180GB SSD Opal	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0006US	US	i5-6500T	No	Intel HD 530	None	4GBx1	120GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0007US	US	i5-6500T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0008US	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0009US	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY000AUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY000BUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY000CUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	120GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY000DUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY000EUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	120GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY000FUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY000GUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY000HUS	US	i5-6500T	No	Intel HD 530	None	4GBx1	120GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY000JUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	120GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY000KUS	US	i5-6500T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY0013US	US	i7-6700T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0014US	US	i7-6700T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0015US	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0016US	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	War-ranty	Ann Date (m/y)
10HY0017US	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0018US	US	i7-6700T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0019US	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001AUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001BUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001CUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001DUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001EUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	180GB SSD Opal	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001FUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	180GB SSD Opal	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001GUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001HUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001JUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001KUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	180GB SSD Opal	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001LUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001MUS	US	i5-6500T	No	Intel HD 530	None	4GBx1	180GB SSD Opal	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001NUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001PUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY001QUS	US	i5-6400T	No	Intel HD 530	None	8GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001RUS	US	i5-6500T	No	Intel HD 530	None	8GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001SUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	War-ranty	Ann Date (m/y)
10HY001TUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY001UUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY001VUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001WUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001XUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY001YUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0020US	US	i3-6100T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY0021US	US	i3-6100T	No	Intel HD 530	None	8GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY0022US	US	i3-6100T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY0023US	US	i3-6100T	No	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY0024US	US	i5-6500T	No	Intel HD 530	None	4GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY0025US	US	i7-6700T	No	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0026US	US	i7-6700T	No	Intel HD 530	None	8GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	01/16
10HY0027US	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY0028US	US	i5-6400T	No	Intel HD 530	None	4GBx1	256GB SSD Opal	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY0029US	US	i5-6500T	No	Intel HD 530	None	4GBx1	256GB SSD Opal	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY002AUS	US	i5-6500T	No	Intel HD 530	None	8GBx1	256GB SSD Opal	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY002BUS	US	i5-6400T	No	Intel HD 530	None	8GBx1	256GB SSD Opal	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY002CUS	US	i5-6400T	No	Intel HD 530	None	4GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10HY003HUS	US	i5-6500T	No	Intel HD 530	None	8GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	03/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	War-ranty	Ann Date (m/y)
10HY003JUS	US	i5-6600T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10HY003KUS	US	i5-6600T	No	Intel HD 530	None	8GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10HY0057US	US	i5-6500T	No	Intel HD 530	None	8GBx1	256GB SSD Opal	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10HY0058US	US	i5-6500T	No	Intel HD 530	None	8GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10HY0059US	US	i3-6100T	No	Intel HD 530	None	8GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10HY0068US	US	i3-6100T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10HY0069US	US	i3-6100T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10JQ0000US	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	03/16
10JQ0001US	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	03/16
10JQ0002US	US	i3-6100T	No	Intel HD 530	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	03/16
10JQ0003US	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	03/16
10JQ0004US	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	03/16
10JQ0005US	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	03/16
10JQ0006US	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	03/16
10JQ0007US	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	03/16
10JQ0008US	US	i3-6100T	No	Intel HD 530	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	03/16
10JQ000EUS	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	01/17
10JQ000FUS	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	01/17
10JQ000GUS	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	01/17
10JQ000HUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	01/17
10JQ000JUS	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	01/17
10JQ000KUS	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	01/17
10JQ000LUS	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	01/17
10JQ000MUS	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7	3-year, Onsite	01/17
10JQ000NUS	US	Pentium G4400T	No	Intel HD 510	None	4GBx1	16GB SSD M.2	None	QCA6174 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS	3-year, Onsite	01/17

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ThinkCentre M700 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics
Celeron G3900	2 / 2	2.8 G	2 MB	DDR4-2133	HD 510
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510
Pentium G4500	2 / 2	3.5G	3 MB	DDR4-2133	HD 530
Core i3-6100	2 / 4	3.7 G	3 MB	DDR4-2133	HD 530
Core i3-6300	2 / 4	3.8 G	4 MB	DDR4-2133	HD 530
Core i5-6400	4 / 4	2.7 G / 3.3 G	6 MB	DDR4-2133	HD 530
Core i5-6500	4 / 4	3.2 G / 3.6 G	6 MB	DDR4-2133	HD 530
Core i5-6600	4 / 4	3.3 G / 3.9 G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4 G / 4.0 G	8 MB	DDR4-2133	HD 530

Memory

32GB max, UDIMM, DDR4 2133, two 288-pin DIMM sockets, dual-channel capable

Disk

Some: Hard disk, SATA 6.0Gb/s, 2.5"/ 3.5" wide, 5400 / 7200 rpm
Some: Solid State Hybrid Drive (SSHD), 500GB (5400 rpm, 2.5") / 1TB or 2TB (7200 rpm, 3.5"), with 8GB NAND flash memory, SATA 6.0Gb/s
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide
Some: Front accessible and removable HDD, 3.5", lockable via physical key

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive
Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive

Onboard SATA

Three onboard SATA 6.0Gb/s connectors,

Media reader

Optional 9-in-1 media reader

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, one VGA, one DisplayPort™, supports two independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 1920x1200 (VGA)@60Hz
Some: **NVIDIA® Quadro® K420**, DirectX 12, 2GB, PCIe 2.0 x16 adapter, one DVI-I, one DisplayPort, 41 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz; 2560x1600 (DVI-I)@60Hz
Some: **NVIDIA Geforce® GT 720**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, one VGA, one HDMI, 25 watts;
Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz
Some: **NVIDIA Geforce GT 720**, DirectX 12, 1GB, PCIe 2.0 x8 adapter, two DisplayPort, 25 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;

DP cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Chipset

Intel H110 Chipset

Front ports

Two USB 3.0, two optional USB 2.0, microphone (3.5mm), headphone (3.5mm)

Rear ports

Two USB 3.0, two USB 2.0, two optional USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, one DisplayPort, two PS/2 ports (keyboard/mouse); additional VGA, DisplayPort, DVI-I or HDMI on optional graphics on some models

Rear audio ports

Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)

IEEE 1394

None

Audio support

High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

Gigabit ethernet, Realtek RTL8111GN, Wake on LAN®

Modem

None

Manageability

None

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- One lock to secure both cover and entire system to fixed object:
  -Padlock loop (in rear for opt padlock)
  -Security slot (in rear for optional Kensington® MicroSaver® cable)
- Optional cable lock to physically lock both keyboard and mouse
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional chassis intrusion switch

Keyboard

Some: PS/2 Keyboard (PS/2 connector), Lenovo logo
Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

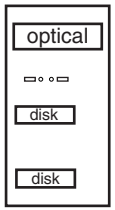
Mouse

Some: PS/2 Optical Wheel Mouse, black, Lenovo logo
Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Tower (20L), black color, metal case
- *(WxDxH)* 6.3" X 15.5" X 15.7"; 160mm X 394.5mm X 398mm
- 19.8 lb (9.0 kg)
- Optional handle
- Optional dust filter

Bay 1: 5.25", 1.6" high, access, std optical / opt front access HDD
Bay 2: 3.5", 1" high, no access, std disk
Bay 3: 3.5", 1" high, no access, opt disk
Bay 4: N/A, N/A, external, opt reader
Slot 1: half-length, full-height, PCIe 3.0 x16
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, PCIe 2.0 x1



Power supply

Some: 180 watts, autosensing, 85% PSU
Some: 250 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year** or **3-year**, **depot service** / service upgrades available
Some: **1-year** or **3-year**, **limited onsite service** / service upgrades available
Some: **3-year**, **limited onsite service, OID** (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 32/64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

ENERGY STAR® 6.0*, EPEAT™ Gold rating* (*Need 85% PSU and Windows OS); ErP Lot 3; GREENGUARD ; RoHS-compliant

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GR001MUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001NUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001PUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001QUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001RUS	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001SUS	US	i7-6700	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001TUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001UUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001VUS	US	i7-6700	No	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001WUS	US	i7-6700	No	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001XUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR001YUS	US	i5-6400	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR0020US	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR0021US	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR0022US	US	i5-6400	No	Intel HD 530	None	8GBx1	192GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR0023US	US	i5-6400	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR0024US	US	i5-6400	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR0025US	US	i5-6400	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR0026US	US	i5-6400	No	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR0027US	US	i5-6400	No	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GR0028US	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR0029US	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR002AUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	Intel 3165 ac, 1x1 + BT4.0	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR002BUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	01/16
10GR002CUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	01/16
10GR002DUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	Intel 3165 ac, 1x1 + BT4.0	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	01/16
10GR002EUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	01/16
10GR004FUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004GUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004HUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004JUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004KUS	US	i3-6100	No	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004LUS	US	i5-6400	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004MUS	US	i5-6400	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004NUS	US	i5-6400	No	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004PUS	US	i5-6400	No	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004QUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004RUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004SUS	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR004TUS	US	i3-6100	No	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GR004UUS	US	i5-6400	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	Intel 3165 ac, 1x1 + BT4.0	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	06/16
10GR0056US	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10GR0057US	US	i5-6400	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16
10GR0058US	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16
10GR0059US	US	i5-6400	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10GR005AUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16
10GR005BUS	US	i5-6400	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10GR005CUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10GR005DUS	US	i5-6400	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16
10GR005EUS	US	i3-6100	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16

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ThinkCentre M715q Tiny Platform Specifications

Processor

AMD A6, A10, or A12 series APUs

APU	Cores	Frequency Base/Max	L2 Cache	Memory Types	Integrated Graphics
A6-9500E	2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5 Series
A10-9700E	4	3.0 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7 Series
A12-9800E	4	3.1 / 3.8 GHz	2 MB	DDR4-2400	Radeon R7 Series
PRO A6-9500E	2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5 Series
PRO A10-9700E	4	3.0 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7 Series
PRO A12-9800E	4	3.1 / 3.8 GHz	2 MB	DDR4-2400	Radeon R7 Series
PRO A6-8570E	2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5 Series
PRO A10-8770E	4	2.8 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7 Series
PRO A12-8870E	4	2.9 / 3.8 GHz	2 MB	DDR4-2400	Radeon R7 Series

Memory

32GB max, DDR4 2400, two 260-pin SO-DIMM sockets, dual-channel capable
*16GB single SO-DIMM is only available via special bid models

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: M.2 Solid State Drive (SSD) / PCIe interface, NWMe

Optical

Some: external ODD box with DVD-ROM, 9.5mm high, via USB
Some: external ODD box with DVD±RW, 9.5mm high, via USB
Some: external ODD box (for TIO) with DVD-ROM, 9.5mm high, via USB
Some: external ODD box (for TIO) with DVD±RW, 9.5mm high, via USB

Onboard SATA

One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

Media reader

None

Graphics

AMD Radeon™ Graphics in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional HDMI, VGA, or 3rd DP, up to 3 independent displays;
Max resolution: 4096x2160 (DP)@60Hz; 4096x2160 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz

DP cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Chipset

AMD B300 Chipset

Front ports

Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)

Rear ports

One USB 3.0 and three USB 2.0 (optional external optical box or I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, HDMI, or serial on some models), one headphone

I/O box

Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2, via USB port (occupy one specific USB 2.0 of M715q Tiny)

Audio support

High Definition (HD) Audio, Realtek ALC233-CG / internal speaker (1.5 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®

Modem

None

Manageability

DASH 1.0/1.1

Security chip

Discrete TPM 2.0, TCG Certified

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Padlock loop
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch

Keyboard

Some: Fullsize USB Keyboard (USB connector), Lenovo logo
Some: Lenovo New Slim USB Keyboard (USB connector), black, Lenovo logo

Mouse

Some: USB Optical Wheel Mouse, black, Lenovo logo

Mechanical

Tiny (1L), black color; metal case
M715 Tiny only:
7.05" W X 7.20" D X 1.36" H
179mm W X 182.9mm D X 34.5mm H
2.9 lb (1.3 kg), weight may vary by configuration
With VESA mount & ODD box:
7.42" W X 7.30" D X 2.48" H
188.4mm W X 185.38mm D X 63mm H
4.12 lb (1.87 kg), weight may vary by configuration
With VESA mount & I/O box:
7.42" W X 7.30" D X 2.62" H
188.4mm W X 185.38mm D X 66.6mm H
3.53 lb (1.6 kg), weight may vary by configuration

VESA mount

Optional VESA mount bracket kit, supports VESA 75mm and 100mm

Floor Stand

Optional system floor stand for vertical orientation

Power supply

65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)

Limited warranty[3]

Some: 1-year or 3-year, depot service / service upgrades available
Some: 1-year or 3-year, limited onsite service / service upgrades available

Preload

Preloaded operating system

Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Lenovo Companion
- Lenovo ID
- Lenovo ThinkVantage Tools
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD (DVD, DVD±RW)
- PowerDVD Create (DVD±RW)

Preloaded operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit

Preloaded applications (only some listed)

- Lenovo Solution Center
- ThinkVantage System Update
- Lenovo Display Manager
- Create Recovery Media
- Lenovo ThinkVantage Tools
- Cyberlink PowerDVD (DVD, DVD±RW)
- PowerDVD Create (DVD±RW)
- Microsoft Office preloaded; purchase a product key to activate
- Adobe® Reader®

Environment

ENERGY STAR® 6.1*, EPEAT™ Gold rating* (*for Windows models only); ErP Lot 3; GREENGUARD®; RoHS-compliant

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

(M715q Tiny-Spec) November 2016 © Lenovo

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	OS	War-ranty	Ann Date (m/y)
10M30001US	US	AMD A6 PRO-9500E	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB (Slim) / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	11/16
10M30002US	US	AMD A10 PRO-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M30003US	US	AMD A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M30004US	US	AMD A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M30005US	US	AMD A12 PRO-9800E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M30006US	US	AMD A10 PRO-9700E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVNe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M30007US	US	AMD A6 PRO-9500E	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M30008US	US	AMD A10 PRO-9700E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M30009US	US	AMD A12 PRO-9800E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVNe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M3000AUS	US	AMD A12 PRO-9800E	No	AMD R7 Graphics	None	4GBx1	128GB SSD M.2 PCIe NVNe	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M3000BUS	US	AMD A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M3000CUS	US	AMD A10 PRO-9700E	No	AMD R7 Graphics	None	4GBx1	128GB SSD M.2 PCIe NVNe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10M3000DUS	US	AMD A10 PRO-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16

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ThinkCentre M79 SFF Platform Specifications

Processor — AMD A4, A6, A8, or A10 series APUs

APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics
A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D
A4 PRO-7300B	2	4.0 / 3.8	1MB	DDR3-1600	HD 8470D
PRO A4-8350B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series
A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D
A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series
PRO A6-8550B	2	4.0 / 3.7	1MB	DDR3-2133	Radeon R5 Series
A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D
A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series
PRO A8-8650B	4	3.9 / 3.2	4MB	DDR3-2133	Radeon R7 Series
A10 PRO-7800B	4	3.9 / 3.5	4MB	DDR3-2133	Radeon R7 Series
PRO A10-8750B	4	4.0 / 3.6	4MB	DDR3-2133	Radeon R7 Series

Memory — 32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets

Disk — *Some:* SATA 6.0Gb/s, 3.5" Wide, 7200 rpm
Some: hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 5400 rpm 2.5" wide or 7200 rpm 3.5" wide
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical — *Some:* DVD-ROM SATA 1.5Gb/s Drive
Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive

Onboard SATA — SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support (only applicable on dual SSD models)

Media reader — Optional 7-in-1 single slot media card reader

Graphics — **AMD Radeon™ Graphics** in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays;
Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz
Some: **AMD Radeon HD 8570**, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40W;
Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz
Some: **NVIDIA® Geforce® GT 620**, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts;
Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz
Some: **AMD Radeon™ HD 7450**, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts;
Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz

DP cable — Optional DisplayPort to DVI-D monitor cable

Chipset — **AMD A78 FCH**

Front ports — Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

Rear ports — Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), two PS/2 ports

Rear audio ports — Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)

IEEE 1394 — Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear

Audio support — High Definition (HD) Audio, Realtek ALC662 / internal speaker (1watt)

WLAN[13] — *Some:* 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1
Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2
Some: 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2

Bluetooth™ — *Some:* Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet — One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®

Modem — None

Manageability — Enhanced Manageability with DASH 1.1

Security chip — Trusted Platform Module, TCG 1.2-compliant

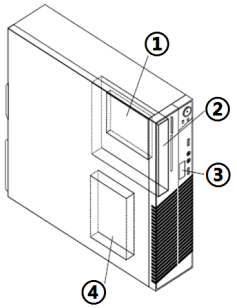
Security features
- Padlock loop (in rear for opt padlock)
- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Administrator password
- Hard disk password
- Boot sequence control
- Cable lock to physically lock both keyboard and mouse (optional)
- Power-on password
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional Chassis intrusion switch

Keyboard — *Some:* Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse — *Some:* Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical
- Business black color; metal case, 11L
- 13.2" W X 15.0" D X 3.9" H
- 335mm W X 382mm D X 101mm H
- 14.6 lb (6.6 kg) in maximum configuration

Bay 1: N/A, N/A, internal, opt SSD
Bay 2: 5.25", 1.6" high, external, std optical
Bay 3: N/A, N/A, external, opt reader
Bay 4: 3.5", 1" high, internal, std disk
*bay only available on models with HDD/SSD/reader installed
Slot 1: Low Profile, PCI Express 3.0 x16 (40w max)
Slot 2: Low Profile, PCIe 2.0 x1
Slot 2: Low Profile, PCIe 2.0 x1
Slot 4: Low Profile, 32-bit PCI 2.3



Floor Stand — Optional system floor stand for vertical orientation

Power supply — *Some:* 180 watts, autosensing, 100-240V (50-60Hz)
Some: 240 watts, autosensing, 100-240V (50-60Hz)
Some: 240 watts, autosensing, 85% PSU, 100-240V (50-60Hz)

Limited warranty[3] — *Some:* **3-years**, **limited onsite service** / service upgrades available
Some: **3-years**, **limited onsite service, OID** (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Some: Windows 7 Professional 32
Some: Windows 7 Professional 64

Ready to install applications (only some listed)
- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Device Experience
- Desktop Power Manager
- View Management Utility
- Lenovo Solution Center
- Lenovo Message Center Plus
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)
- Evernote®
- Nitro Pro

Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit
Some: Windows 10 Pro 64-bit

Preloaded applications (only some listed)
- Desktop Power Manager
- Lenovo Solution Center
- Lenovo Companion
- Lenovo SHAREit
- Lenovo REACHit
- McAfee® LiveSafe™(30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD (DVD±RW, DVD)
- PowerDVD Create (DVD±RW)
- PC Device Stage

Environment — ENERGY STAR® 6.0 (Need 85% PSU and Windows OS);
EPEAT™ Gold rating (Need 85% PSU and Windows OS);
GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3

Accessories — For compatible accessories, please go to TC-AQP sheet

(ALSK1-SFF) September 2015 © Lenovo

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10CV0000US	US	A6-6400B	No	AMD HD 8470D	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	None	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	07/14
10CV0001US	US	A8-6500B	No	AMD HD 8570D	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	None	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	07/14
10CV0002US	US	A8 PRO-7600B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	None	240W	Win8.1 DG Win7 Pro 64	3-year, Onsite	07/14
10CV0003US	US	A4-6300B	No	AMD HD 8370D	None	4GBx1	500GB 7200rpm 3.5"	DVD	None	None	None	None	None	USB / USB	None	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	10/14
10CV000TUS	US	A10 PRO-7800B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	9-in-1	None	None	None	None	USB / USB	Floor Stand	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	02/15
10CV000UUS	US	A10 PRO-7800B	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	9-in-1	None	None	None	None	USB / USB	Floor Stand	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	02/15
10CV000VUS	US	A6 PRO-7400B	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	9-in-1	None	None	None	None	USB / USB	None	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	02/15
10CV000WUS	US	A8 PRO-7600B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	2 Rear USB 2.0	None	Cable Lock	USB / USB	Floor Stand	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	02/15
10CV000XUS	US	A8 PRO-7600B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	Switch	None	USB / USB	Floor Stand	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	07/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10JB0005US	US	PRO A10-8750B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	Switch	Cable Lock	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10JB0006US	US	PRO A4-8350B	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	2nd DP	Switch	Cable Lock	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10JB0007US	US	PRO A8-8650B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	2nd DP + 1394	Switch	Cable Lock	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10JB0008US	US	PRO A6-8550B	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	2nd DP	Switch	Cable Lock	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10JB0009US	US	A4 PRO-7300B	No	AMD HD 8470D	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	None	240W 85%	Win10 Pro 64	3-year, Onsite	09/15
10JB000AUS	US	A6 PRO-7400B	No	AMD R5 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	None	240W 85%	Win10 Pro 64	3-year, Onsite	09/15
10JB000BUS	US	A4 PRO-7300B	No	AMD HD 8470D	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10JB000CUS	US	A6 PRO-7400B	No	AMD R5 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10JB000DUS	US	A10 PRO-7800B	No	AMD R7 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	None	240W 85%	Win10 Pro 64	3-year, Onsite	09/15
10JB000EUS	US	A10 PRO-7800B	No	AMD R7 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10JB000FUS	US	A8 PRO-7600B	No	AMD R7 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	None	240W 85%	Win10 Pro 64	3-year, Onsite	09/15
10JB000GUS	US	A8 PRO-7600B	No	AMD R7 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10JB000HUS	US	A10 PRO-7800B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	9-in-1	None	None	None	None	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10JB000JUS	US	A8 PRO-7600B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	9-in-1	None	None	None	None	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10JB000KUS	US	A4 PRO-7300B	No	AMD HD 8470D	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	9-in-1	None	None	None	None	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10JB000LUS	US	A6 PRO-7400B	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	9-in-1	None	None	None	None	USB / USB	None	240W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10CT0006US	US	A4-6300B	No	AMD HD 8370D	None	2GBx1	250GB 7200rpm 3.5"	DVD	None	None	None	Switch	None	USB / USB	None	240W 85%	Win7 Pro 32	3-year, Onsite	07/14
10CT0007US	US	A6 PRO-7400B	No	AMD R5 Graphics	None	2GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	Switch	None	USB / USB	None	240W 85%	Win7 Pro 32	3-year, Onsite	07/14
10CT0008US	US	A6-6400B	No	AMD HD 8470D	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	None	240W 85%	Win8.1 DG Win7 Pro 64	3-year, Onsite	08/14
10CT0009US	US	A6-6400B	No	AMD HD 8470D	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	None	240W 85%	Win8.1 DG Win7 Pro 64	3-year, Onsite	08/14
10CT000AUS	US	A8 PRO-7600B	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	None	240W 85%	Win8.1 DG Win7 Pro 64	3-year, Onsite	08/14
10CT000BUS	US	A8 PRO-7600B	No	GT 620 1GB	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	None	240W 85%	Win8.1 DG Win7 Pro 64	3-year, Onsite	08/14

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10CW000BUS	US	A4-6300B	No	AMD HD 8370D	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	None	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	08/14

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ThinkCentre M79 Tower Platform Specifications

Processor

AMD A4, A6, A8, or A10 series APUs

APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics
A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D
A4 PRO-7300B	2	4.0 / 3.8	1MB	DDR3-1600	HD 8470D
PRO A4-8350B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series
A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D
A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series
PRO A6-8550B	2	4.0 / 3.7	1MB	DDR3-2133	Radeon R5 Series
A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D
A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series
PRO A8-8650B	4	3.9 / 3.2	4MB	DDR3-2133	Radeon R7 Series
A10 PRO-7800B	4	3.9 / 3.5	4MB	DDR3-2133	Radeon R7 Series
PRO A10-8750B	4	4.0 / 3.6	4MB	DDR3-2133	Radeon R7 Series

Memory

32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets

Disk

Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm
Some: hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 5400 rpm 2.5" wide or 7200 rpm 3.5" wide
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive
Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive

Onboard SATA

SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support

Media reader

Optional 7-in-1 single slot media card reader

Graphics

AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays;
Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz
Some: **AMD Radeon HD 8570**, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40W;
Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz
Some: **NVIDIA® Geforce® GT 620**, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts;
Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz
Some: **AMD Radeon™ HD 7450**, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts;
Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz

DP cable

Optional DisplayPort to DVI-D monitor cable

Chipset

AMD A78 FCH

Front ports

Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

Rear ports

Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), two PS/2 ports

Rear audio ports

Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)

IEEE 1394

Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear

Audio support

High Definition (HD) Audio, Realtek ALC662 / internal speaker (1.5watt)

WLAN[13]

Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1
Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2
Some: 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2

Bluetooth™

Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®

Modem

None

Manageability

Enhanced Manageability with DASH 1.1

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- Padlock loop (in rear for opt padlock)
- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Administrator password
- Hard disk password
- Boot sequence control
- Cable lock to physically lock both keyboard and mouse (optional)
- Power-on password
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional *Chassis intrusion switch*

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

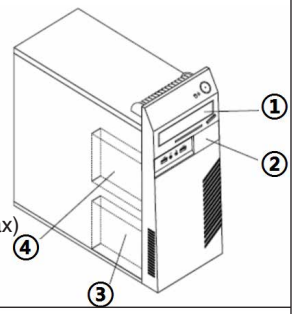
Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Business black color; metal case, 20L
- 6.3" W X 16.6" D X 15.3" H (with handle)
- 160mm W X 422mm D X 388mm H
- 20.7 lb (9.4 kg) in maximum configuration

Bay 1: 5.25", 1.6" high, access, std optical
Bay 2: N/A, N/A, access, opt reader
Bay 3: 3.5", 1" high, no access, std disk
Bay 4: 3.5", 1" high, no access, opt disk
*bay only available on models with HDD/SSD/reader installed
Slot 1: half-length, full-height, PCIe 3.0 x16 (60w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, PCIe 2.0 x1
Slot 4: half-length, full-height, 32-bit PCI 2.3



Power supply

Some: 180 watts, autosensing, 100-240V (50-60Hz)
Some: 280 watts, autosensing, 100-240V (50-60Hz)
Some: 280 watts, autosensing, 85% PSU, 100-240V (50-60Hz)

Limited warranty[3]

Some: **3-years**, **limited onsite service** / service upgrades available
Some: **3-years**, **limited onsite service, OID** (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Some: Windows 7 Professional 32
Some: Windows 7 Professional 64

Ready to install applications (only some listed)

- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Device Experience
- Desktop Power Manager
- View Management Utility
- Lenovo Solution Center
- Lenovo Message Center Plus
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)
- Evernote®
- Nitro Pro

Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit
Some: Windows 10 Pro 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo Companion
- Lenovo SHAREit
- Lenovo REACHit
- McAfee® LiveSafe™(30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD (DVD±RW, DVD)
- PowerDVD Create (DVD±RW)
- PC Device Stage

Environment

ENERGY STAR® 6.0 (Need 85% PSU and Windows OS);
EPEAT™ Gold rating (Need 85% PSU and Windows OS);
GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3

Accessories

For compatible accessories, please go to TC-AQP sheet

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (m/y)
10CN0000US	US	A4-6300B	No	AMD HD 8370D	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	07/14
10CN0001US	US	A8-6500B	No	AMD HD 8570D	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	07/14
10CN0002US	US	A8 PRO-7600B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	280W	Win8.1 DG Win7 Pro 64	3-year, Onsite	07/14
10CN0003US	US	A6-6400B	No	AMD HD 8470D	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	07/14
10CN000VUS	US	A10 PRO-7800B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	280W	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14
10CN000WUS	US	A10 PRO-7800B	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	280W	Win8.1 DG Win7 Pro 64	3-year, Onsite	11/14
10CN000XUS	US	A6 PRO-7400B	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	02/15
10CN000YUS	US	A8 PRO-7600B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	9-in-1	None	None	None	None	USB / USB	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	07/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (m/y)
10J70009US	US	PRO A4-8350B	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	Switch	Cable Lock	USB / USB	280W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10J7000AUS	US	PRO A8-8650B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	Switch	Cable Lock	USB / USB	280W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10J7000BUS	US	PRO A10-8750B	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	Switch	Cable Lock	USB / USB	280W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10J7000CUS	US	PRO A6-8550B	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	Switch	Cable Lock	USB / USB	280W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10J7000DUS	US	A4 PRO-7300B	No	AMD HD 8470D	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	280W 85%	Win10 Pro 64	3-year, Onsite	09/15
10J7000EUS	US	A8 PRO-7600B	No	AMD R7 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	280W 85%	Win10 Pro 64	3-year, Onsite	07/16
10J7000FUS	US	A6 PRO-7400B	No	AMD R5 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	280W 85%	Win10 Pro 64	3-year, Onsite	09/15
10J7000GUS	US	A4 PRO-7300B	No	AMD HD 8470D	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	280W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10J7000HUS	US	A10 PRO-7800B	No	AMD R7 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	280W 85%	Win10 Pro 64	3-year, Onsite	09/15
10J7000JUS	US	A6 PRO-7400B	No	AMD R5 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	280W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10J7000KUS	US	A10 PRO-7800B	No	AMD R7 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	Cable Lock	USB / USB	280W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10J7000LUS	US	A8 PRO-7600B	No	AMD R7 Graphics	DP to DVI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8723BE b/g/n, 1x1 + BT4.0	None	None	None	USB / USB	280W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (m/y)
10CQ0005US	US	A4-6300B	No	AMD HD 8370D	None	2GBx1	250GB 7200rpm 3.5"	DVD	None	None	None	Switch	None	USB / USB	280W 85%	Win7 Pro 32	3-year, Onsite, OID	07/14
10CQ0006US	US	A6 PRO-7400B	No	AMD R5 Graphics	None	2GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	Switch	None	USB / USB	280W 85%	Win7 Pro 32	3-year, Onsite, OID	07/14
10CQ0007US	US	A8 PRO-7600B	No	AMD HD 8570 2GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	9 in 1	None	Parallel	Switch	None	USB / USB	280W 85%	Win7 Pro 64	3-year, Onsite, OID	07/14

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (m/y)
10CS0003US	US	A4-6300B	No	AMD HD 8370D	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	USB / USB	180W	Win8.1 DG Win7 Pro 64	3-year, Onsite	08/14

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ThinkCentre M800 SFF Platform Specifications

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510
Pentium G4500	2 / 2	3.5G	3 MB	DDR4-2133	HD 530
Core i3-6100	2 / 4	3.7 G	3 MB	DDR4-2133	HD 530
Core i3-6300	2 / 4	3.8 G	4 MB	DDR4-2133	HD 530
Core i5-6400	4 / 4	2.7 G / 3.3 G	6 MB	DDR4-2133	HD 530
Core i5-6500	4 / 4	3.2 G / 3.6 G	6 MB	DDR4-2133	HD 530
Core i5-6600	4 / 4	3.3 G / 3.9 G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4 G / 4.0 G	8 MB	DDR4-2133	HD 530

Memory

64GB max, UDIMM, DDR4 2133, four 288-pin DIMM sockets, dual-channel capable

Disk

Some: Hard disk, SATA 6.0Gb/s, 2.5"/ 3.5" wide, 5400 / 7200 rpm
Some: Solid State Hybrid Drive (SSHD), 500GB (5400 rpm, 2.5") / 1TB or 2TB (7200 rpm, 3.5"), with 8GB NAND flash memory, SATA 6.0Gb/s
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive
Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive

Onboard SATA

Four onboard SATA 6.0Gb/s connectors, one is eSATA connector for optional rear eSATA port

Media reader

Optional 9-in-1 media reader

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 1920x1200 (VGA)@60Hz
Some: **NVIDIA® Quadro® K420**, DirectX 12, 2GB, PCIe 2.0 x16 adapter, one DVI-I, one DisplayPort, 41 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz; 2560x1600 (DVI-I)@60Hz
Some: **NVIDIA Geforce® GT 720**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, one VGA, one HDMI, 25 watts;
Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz
Some: **NVIDIA Geforce GT 720**, DirectX 12, 1GB, PCIe 2.0 x8 adapter, two DisplayPort, 25 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;

DP cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Chipset

Intel Q150 Chipset

Front ports

Two USB 3.0, two optional USB 2.0, microphone (3.5mm), headphone (3.5mm)

Rear ports

Four USB 3.0, two USB 2.0, two optional USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional PS/2 ports (keyboard/mouse), one optional eSATA port
additional VGA, DisplayPort, DVI-I or HDMI on optional graphics on some models

Rear audio ports

Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)

IEEE 1394

None

Audio support

High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®

Modem

None

Manageability

Intel Standard Manageability

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- One lock to secure both cover and entire system to fixed object:
  - -Padlock loop (in rear for opt padlock)
  - -Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional chassis intrusion switch

Keyboard

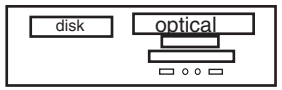
Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- SFF (9.7L), black color; metal case
- *(WxDxH)* 13.31" X 14.05" X 3.46"; 338mm X 357mm X 88mm
- 12.3 lb (5.6 kg)
- Toolless cover, disk, optical removal
- Toolless graphics, PCI adapter retention
- Optional dust filter



Bay 1: N/A, 9.5mm high, external, std optical
Bay 2: 3.5", 1" high, internal, std disk
Bay 3: 2.5", N/A, internal, opt 2nd 2.5" disk (optional bay)
Bay 4: N/A, N/A, external, opt reader
Slot 1: Low Profile, PCI Express 3.0 x16 (45w max)
Slot 2: Low Profile, PCIe 3.0 x1
Slot 3: Low Profile, PCIe 3.0 x16 (x4 elec, 45w max)
Slot 4: Low Profile, optional 32-bit PCI 2.3 (via M.2 to PCI adaptor)

Floor Stand

Optional system floor stand for vertical orientation

Power supply

210 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year** or **3-year**, **limited onsite service** / service upgrades available
Some: **3-year**, **limited onsite service, OID** (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

ENERGY STAR® 6.1*(*Need 85% PSU and Windows OS);
ErP Lot 3; GREENGUARD®; RoHS-compliant; TUV Green Mark

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	PCI Slot	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FY0004US	US	i7-6700	No	Intel HD 530	None	8GBx1	192GB SSD	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FY0005US	US	i5-6500	No	Intel HD 530	None	4GBx1	192GB SSD	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FY0006US	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FY0007US	US	i7-6700	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FY0008US	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FY0009US	US	i5-6500	No	Intel HD 530	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FY000AUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FY000CUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FY000DUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FY000EUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FY000FUS	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FY000QUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY0012US	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY0013US	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY0014US	US	i5-6400	No	Intel HD 530	None	8GBx1	180GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY0015US	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY0016US	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY0017US	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY0018US	US	i5-6400	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY0019US	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	PCI Slot	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FY001AUS	US	i7-6700	No	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY001BUS	US	i5-6400	No	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY001DUS	US	i5-6400	No	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY001EUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FY001FUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FY001GUS	US	i7-6700	No	GT 720 1GB	None	8GBx2	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY001HUS	US	i5-6400	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FY001JUS	US	i7-6700	No	GT 720 1GB	None	8GBx2	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FY001KUS	US	i3-6100	No	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY001LUS	US	i3-6100	No	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FY001MUS	US	i3-6100	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY001NUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FY001PUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FY0029US	US	i5-6400	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FY002GUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/16
10FY003BUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FY003CUS	US	i7-6700	No	GT 720 1GB	None	8GBx2	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FY003DUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FY003EUS	US	i7-6700	No	GT 720 1GB	None	8GBx2	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	10/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	PCI Slot	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FX0005US	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FX0006US	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FX0007US	US	i7-6700	No	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FX0008US	US	i7-6700	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FX0009US	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	PS/2	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FX000VUS	US	i5-6500	No	Intel HD 530	DP to HDMI	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	None	210W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FX0011US	US	i5-6500	No	GT 720 1GB	DP to VGA	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	9-in-1	None	None	None	None	None	None	None	USB / USB	None	210W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FX0012US	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD	None	None	None	None	None	None	None	None	None	USB / USB	None	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FX0013US	US	i5-6500	No	GT 720 1GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	9-in-1	None	None	None	None	None	None	Dust Filter	USB / USB	None	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FX0014US	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	None	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15

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ThinkCentre M800 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510
Pentium G4500	2 / 2	3.5G	3 MB	DDR4-2133	HD 530
Core i3-6100	2 / 4	3.7 G	3 MB	DDR4-2133	HD 530
Core i3-6300	2 / 4	3.8 G	4 MB	DDR4-2133	HD 530
Core i5-6400	4 / 4	2.7 G / 3.3 G	6 MB	DDR4-2133	HD 530
Core i5-6500	4 / 4	3.2 G / 3.6 G	6 MB	DDR4-2133	HD 530
Core i5-6600	4 / 4	3.3 G / 3.9 G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4 G / 4.0 G	8 MB	DDR4-2133	HD 530

Memory

64GB max, UDIMM, DDR4 2133, four 288-pin DIMM sockets, dual-channel capable

Disk

Some: Hard disk, SATA 6.0Gb/s, 2.5"/ 3.5" wide, 5400 / 7200 rpm
Some: Solid State Hybrid Drive (SSHD), 500GB (5400 rpm, 2.5") / 1TB or 2TB (7200 rpm, 3.5"), with 8GB NAND flash memory, SATA 6.0Gb/s
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide
Some: Front accessible and removable HDD, 3.5", lockable via physical key

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive
Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive

Onboard SATA

Four onboard SATA 6.0Gb/s connectors, one is eSATA connector for optional rear eSATA port

Media reader

Optional 29-in-1 media reader

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 1920x1200 (VGA)@60Hz
Some: **NVIDIA® Quadro® K420**, DirectX 12, 2GB, PCIe 2.0 x16 adapter, one DVI-I, one DisplayPort, 41 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz; 2560x1600 (DVI-I)@60Hz
Some: **NVIDIA Geforce® GT 720**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, one VGA, one HDMI, 25 watts;
Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz
Some: **NVIDIA Geforce GT 720**, DirectX 12, 1GB, PCIe 2.0 x8 adapter, two DisplayPort, 25 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;

DP cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Chipset

Intel Q150 Chipset

Front ports

Two USB 3.0, two optional USB 2.0, microphone (3.5mm), headphone (3.5mm)

Rear ports

Four USB 3.0, two USB 2.0, two optional USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional PS/2 ports (keyboard/mouse), one optional eSATA port
additional VGA, DisplayPort, DVI-I or HDMI on optional graphics on some models

Rear audio ports

Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)

IEEE 1394

None

Audio support

High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®

Modem

None

Manageability

Intel Standard Manageability

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- One lock to secure both cover and entire system to fixed object:
  - -Padlock loop (in rear for opt padlock)
  - -Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional chassis intrusion switch

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

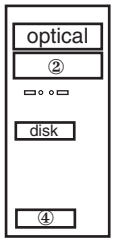
Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Tower (25L), black color, metal case
- *(WxDxH)* 6.89" X 16.26" X 15.98"; 175mm X 413mm X 406mm
- 27.56 lb (12.5 kg)
- Toolless cover, disk, optical removal
- Toolless graphics, PCI adapter retention
- Optional dust filter

Bay 1: 5.25", 1.6" high, access, std optical
Bay 2: 5.25", 1.6" high, access, opt media reader / front access HDD
Bay 3: 3.5", 1" high, no access, std disk
Bay 4: 3.5", 1" high, no access, opt disk (optional 2nd 3.5" disk tray)
Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 3.0 x1
Slot 3: half-length, full-height, PCIe 3.0 x16 (x4 elec, 75w max)
Slot 4: half-length, full-height, optional 32-bit PCI 2.3 (via M.2 to PCI adaptor)



Power supply

250 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year** or **3-year**, **limited onsite service** / service upgrades available
Some: **3-year**, **limited onsite service, OID** (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

ENERGY STAR® 6.1*(*Need 85% PSU and Windows OS);
ErP Lot 3; GREENGUARD®; RoHS-compliant; TUV Green Mark

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Optional 2nd 3.5" Tray	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	PCI Slot	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FW0002US	US	i7-6700	No	Intel HD 530	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FW0003US	US	i7-6700	No	K420 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FW0004US	US	i7-6700	No	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FW0005US	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FW0006US	US	i7-6700	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FW0007US	US	i5-6500	No	Intel HD 530	None	4GBx1	120GB SSD	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FW000WUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FW000XUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FW000YUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FW0010US	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FW001NUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FW001PUS	US	i5-6400	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FW001QUS	US	i7-6700	No	GT 720 1GB	None	8GBx2	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FW001RUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FW001SUS	US	i5-6400	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FW001TUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FW001UUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FW001VUS	US	i3-6100	No	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	Optional 2nd 3.5" Tray	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FW001WUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FW001XUS	US	i3-6100	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Optional 2nd 3.5" Tray	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	PCI Slot	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FW001YUS	US	i3-6100	No	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FW002TUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	07/16
10FW002UUS	US	i7-6700	No	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	07/16
10FW003DUS	US	i7-6700	No	GT 720 1GB	None	8GBx2	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FW003EUS	US	i7-6700	No	GT 720 1GB	None	8GBx2	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FW003FUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FW003GUS	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	Optical	Optional 2nd 3.5" Tray	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	PCI Slot	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FV0004US	US	i7-6700	No	K420 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FV0005US	US	i7-6700	No	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FV0006US	US	i7-6700	No	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FV0007US	US	i5-6500	No	Intel HD 530	None	4GBx1	120GB SSD	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FV0008US	US	i7-6700	No	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FV0009US	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FV000AUS	US	i5-6500	No	Intel HD 530	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FV000BUS	US	i5-6500	No	GT 720 1GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FV000CUS	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FV000MUS	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD	None	None	None	None	None	None	None	None	None	None	USB / USB	None	250W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FV000NUS	US	i5-6500	No	GT 720 1GB	DP to HDMI	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	29-in-1	None	None	None	None	None	None	None	None	USB / USB	None	250W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FV000PUS	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	None	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FV000QUS	US	i5-6500	No	GT 720 1GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	29-in-1	None	None	None	None	None	None	None	Dust Filter	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FV000RUS	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	None	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FV000SUS	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD	None	None	None	None	None	None	None	None	None	None	USB / USB	None	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15

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ThinkCentre M900 SFF Platform Specifications

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics	Intel vPro
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510	No
Pentium G4500	2 / 2	3.5G	3 MB	DDR4-2133	HD 530	No
Core i3-6100	2 / 4	3.7 G	3 MB	DDR4-2133	HD 530	No
Core i3-6300	2 / 4	3.8 G	4 MB	DDR4-2133	HD 530	No
Core i5-6400	4 / 4	2.7 G / 3.3 G	6 MB	DDR4-2133	HD 530	No
Core i5-6500	4 / 4	3.2 G / 3.6 G	6 MB	DDR4-2133	HD 530	vPro
Core i5-6600	4 / 4	3.3 G / 3.9 G	6 MB	DDR4-2133	HD 530	vPro
Core i7-6700	4 / 8	3.4 G / 4.0 G	8 MB	DDR4-2133	HD 530	vPro

Memory

64GB max, UDIMM, DDR4 2133, four 288-pin DIMM sockets, dual-channel capable

Disk

Some: Hard disk, SATA 6.0Gb/s, 2.5"/ 3.5" wide, 5400 / 7200 rpm
Some: Solid State Hybrid Drive (SSHD), 500GB (5400 rpm, 2.5") / 1TB or 2TB (7200 rpm, 3.5"), with 8GB NAND flash memory, SATA 6.0Gb/s
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide
Some: M.2 SSD, PCIe NVMe, PCIe 3.0 x4, 32Gb/s

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive
Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive

Onboard SATA

Four onboard SATA 6.0Gb/s connectors, one is eSATA connector for optional rear eSATA port, RAID 0, 1 support

Media reader

Optional 9-in-1 media reader

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 1920x1200 (VGA)@60Hz
Some: **NVIDIA® Quadro® K420**, DirectX 12, 2GB, PCIe 2.0 x16 adapter, one DVI-I, one DisplayPort, 41 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz; 2560x1600 (DVI-I)@60Hz
Some: **NVIDIA Geforce® GT 720**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, one VGA, one HDMI, 25 watts;
Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz
Some: **NVIDIA Geforce GT 720**, DirectX 12, 1GB, PCIe 2.0 x8 adapter, two DisplayPort, 25 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;

DP cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Chipset

Intel Q170 Chipset

Front ports

Two USB 3.0, two optional USB 2.0, microphone (3.5mm), headphone (3.5mm)

Rear ports

Six USB 3.0, two optional USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional PS/2 ports (keyboard/mouse), one optional eSATA port additional VGA, DisplayPort, DVI-I or HDMI on optional graphics on some models

Rear audio ports

Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)

IEEE 1394

None

Audio support

High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®

Modem

None

Manageability

Intel Active Management Technology 11.0 (Intel AMT 11.0);
Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- One lock to secure both cover and entire system to fixed object:
  -Padlock loop (in rear for opt padlock)
  -Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional chassis intrusion switch

Keyboard

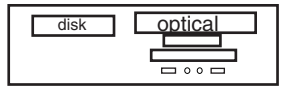
Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- SFF (9.7L), black color; metal case
- *(WxDxH)* 13.31" X 14.05" X 3.46"; 338mm X 357mm X 88mm
- 12.3 lb (5.6 kg)
- Toolless cover, disk, optical removal
- Toolless graphics, PCI adapter retention
- Optional dust filter



Bay 1: N/A, 9.5mm high, external, std optical
Bay 2: 3.5", 1" high, internal, std disk
Bay 3: 2.5", N/A, internal, opt 2nd 2.5" disk (optional bay)
Bay 4: N/A, N/A, external, opt reader
Slot 1: Low Profile, PCI Express 3.0 x16 (45w max)
Slot 2: Low Profile, PCIe 3.0 x1
Slot 3: Low Profile, PCIe 3.0 x16 (x4 elec, 45w max)
Slot 4: Low Profile, optional 32-bit PCI 2.3 (via M.2 to PCI adaptor)

Floor Stand

Optional system floor stand for vertical orientation

Power supply

210 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year** or **3-year**, **limited onsite service** / service upgrades available
Some: **3-year**, **limited onsite service, OID** (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools
- Intel Unite (vPro models only)

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

ENERGY STAR® 6.1*; EPEAT™ Gold rating*; (*Need 85% PSU and Windows OS); ErP Lot 3; GREENGUARD®; RoHS-compliant; TUV Green Mark, ULE Gold

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	PCI Slot	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FH000KUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FH000LUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	8260 ac, 2x2, vPro + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FH000MUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	8260 ac, 2x2, vPro + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FH000NUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FH001YUS	US	i5-6500	vPro	GT 720 1GB	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FH0020US	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FH0021US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	180GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FH0022US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FH0023US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	192GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FH0024US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8260 ac, 2x2, vPro + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	12/15
10FH0025US	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FH0026US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	180GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FH0027US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FH0028US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FH0029US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	192GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FH002AUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FH002BUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	12/15
10FH002CUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	12/15
10FH002DUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FH002EUS	US	i5-6500	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	PCI Slot	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FH002FUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	12/15
10FH002GUS	US	i5-6500	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FH002HUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	12/15
10FH002JUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FH002KUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8260 ac, 2x2, vPro + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	12/15
10FH002LUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8260 ac, 2x2, vPro + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	12/15
10FH003MUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10FH003NUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10FH004JUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/16
10FH0054US	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8260 ac, 2x2, vPro + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/16
10FH005JUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FH005KUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FH005LUS	US	i5-6500	vPro	GT 720 1GB	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FH005MUS	US	i5-6500	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FH005NUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FH005PUS	US	i5-6500	vPro	GT 720 1GB	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FH005QUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8260 ac, 2x2, vPro + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FH005RUS	US	i5-6500	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FH005SUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8260 ac, 2x2, vPro + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FH005TUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	10/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	PCI Slot	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FG0006US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FG0007US	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	8260 ac, 2x2, vPro + BT4.1	None	None	None	None	None	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FG000XUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD	None	None	None	None	None	None	None	None	None	USB / USB	None	210W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FG000YUS	US	i5-6600	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	None	210W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FG0013US	US	i7-6700	vPro	GT 720 1GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	9-in-1	None	None	None	None	None	None	None	USB / USB	None	210W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FG0014US	US	i7-6700	vPro	GT 720 1GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	9-in-1	None	None	None	None	None	None	Dust Filter	USB / USB	None	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FG0015US	US	i5-6600	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	USB / USB	None	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FG0016US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD	None	None	None	None	None	None	None	None	None	USB / USB	None	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15

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ThinkCentre M900 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics	Intel vPro
Pentium G4400T	2 / 2	2.9 G	3 MB	DDR4-2133	HD 510	No
Pentium G4500T	2 / 2	3.0 G	3 MB	DDR4-2133	HD 530	No
Core i3-6100T	2 / 4	3.2 G	3 MB	DDR4-2133	HD 530	No
Core i3-6300T	2 / 4	3.3 G	4 MB	DDR4-2133	HD 530	No
Core i5-6400T	4 / 4	2.2 G / 2.8 G	6 MB	DDR4-2133	HD 530	No
Core i5-6500T	4 / 4	2.5 G / 3.1 G	6 MB	DDR4-2133	HD 530	vPro
Core i5-6600T	4 / 4	2.7 G / 3.5 G	6 MB	DDR4-2133	HD 530	vPro
Core i7-6700T	4 / 8	2.8 G / 3.6 G	8 MB	DDR4-2133	HD 530	vPro

Memory

32GB max, DDR4 2133, two 260-pin SO-DIMM sockets, dual-channel capable

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide
Some: M.2 SSD, PCIe or SATA interface

Optical

Some: external ODD box with DVD-ROM, 9.5mm high, via USB
Some: external ODD box with DVD±RW, 9.5mm high, via USB
Some: external ODD box (for TIO) with DVD-ROM, 9.5mm high, via USB
Some: external ODD box (for TIO) with DVD±RW, 9.5mm high, via USB

Onboard SATA

One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

Media reader

None

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional HDMI, VGA, or 3rd DP, up to 3 independent displays;
Max resolution: 4096x2304 (DP)@60Hz; 4096x2160 (HDMI)@24Hz; 1920x1200 (VGA)@60Hz

DP cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Chipset

Intel Q170 Chipset

Front ports

Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)

Rear ports

Four USB 3.0 (optional external optical box or external I/O box occupies one or two specific USB 3.0 on some models), ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, HDMI, or serial on some models), one headphone

I/O box

Optional external I/O box, extends two USB 2.0, two USB 3.0, and one serial on rear, two USB 2.0 on front, via USB (occupy two specific USB 3.0 of M900 Tiny)

Audio support

High Definition (HD) Audio, Realtek ALC223 / optional internal speaker (1 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®

Modem

None

Manageability

Intel Active Management Technology 11.0 (Intel AMT 11.0);
Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Padlock loop
- Smart USB protection, allows keyboard/ mouse only, blocks all storage devices
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

Tiny (1L), black color; metal case
M900 Tiny only:
7.05" W X 7.20" D X 1.36" H
179mm W X 182.9mm D X 34.5mm H
2.9 lb (1.3 kg), weight may vary by configuration
With VESA mount & ODD box:
7.42" W X 7.30" D X 2.48" H
188.4mm W X 185.38mm D X 63mm H
4.12 lb (1.87 kg), weight may vary by configuration
With VESA mount & I/O box:
7.42" W X 7.30" D X 2.62" H
188.4mm W X 185.38mm D X 66.6mm H
3.53 lb (1.6 kg), weight may vary by configuration

VESA mount

Optional VESA mount bracket kit, supports VESA 75mm and 100mm

Floor Stand

Optional system floor stand for vertical orientation

Power supply

65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)
90 watts AC/DC adapter, autosensing, 88% PSU (only for models with I/O box)

Limited warranty[3]

Some: 1-year or 3-year, depot service / service upgrades available
Some: 1-year or 3-year, limited onsite service / service upgrades available
Some: 3-year, limited onsite service, OID (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools
- Intel Unite (vPro models only)

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

ENERGY STAR® 6.1*; EPEAT™ Gold rating*; (*Need 85% PSU and Windows OS); ErP Lot 3; GREENGUARD®; RoHS-compliant; TUV Green Mark, ULE Gold

MIL-SPEC test

MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FM0006US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	120GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FM0007US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FM0008US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FM0009US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FM000AUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	120GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FM000BUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	120GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FM0014US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM0017US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM0018US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	180GB SSD Opal	DVD±RW	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM0019US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	8260 ac, 2x2, vPro + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001AUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	8260 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001BUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001CUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	8260 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001DUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	180GB SSD Opal	DVD±RW	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001EUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001FUS	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001GUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001HUS	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	192GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001JUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001KUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	192GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FM001LUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	192GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001MUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001NUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001PUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001QUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001RUS	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	192GB SSD	None	8260 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001SUS	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	180GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001TUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001UUS	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001VUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001WUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	192GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001XUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM001YUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	180GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM0020US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM0021US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FM0022US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	12/15
10FM0023US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	12/15
10FM0024US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	12/15
10FM0025US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	128GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	12/15
10FM0026US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	12/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FM0027US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	12/15
10FM002TUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	02/16
10FM002UUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	8260 ac, 2x2, vPro + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	02/16
10FM002VUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	8260 ac, 2x2, vPro + BT4.1	VGA	Switch	None	1Wx1	None	None	None	None / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	02/16
10FM0030US	US	i5-6600T	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10FM0031US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10FM0032US	US	i5-6600T	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	03/16
10FM0033US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	04/16
10FM0034US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	04/16
10FM0039US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5" + 128GB SSD M.2	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	05/16
10FM003AUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	128GB SSD + 128GB SSD M.2 PCIe	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	05/16
10FM003BUS	US	i7-6700T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	05/16
10FM003LUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10FM003YUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10NE0000US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10NE0001US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10NE0002US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10NE0003US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10NE0004US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10NE0005US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10NE000RUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	10/16
10NE000SUS	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	512GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	11/16
10NE000TUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	512GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	11/16
10NE000UUS	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	512GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	11/16
10NE000VUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	512GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	11/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10FL0003US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FL0004US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	120GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FL0005US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	120GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FL0006US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	120GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FL0007US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FL0008US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	120GB SSD	DVD±RW	8260 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FL001RUS	US	i5-6600T	vPro	Intel HD 530	VGA	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FL001SUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	None	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FL001WUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	None	None	Switch	None	1Wx1	None	None	None	USB / USB	None	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FL001XUS	US	i5-6600T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FL0024US	US	i7-6700T	vPro	Intel HD 530	None	4GBx1	1TB 5400rpm 2.5"	DVD±RW	8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite, OID	11/15

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ThinkCentre M900 Mini Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics	Intel vPro
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510	No
Pentium G4500	2 / 2	3.5G	3 MB	DDR4-2133	HD 530	No
Core i3-6100	2 / 4	3.7 G	3 MB	DDR4-2133	HD 530	No
Core i3-6300	2 / 4	3.8 G	4 MB	DDR4-2133	HD 530	No
Core i5-6400	4 / 4	2.7 G / 3.3 G	6 MB	DDR4-2133	HD 530	No
Core i5-6500	4 / 4	3.2 G / 3.6 G	6 MB	DDR4-2133	HD 530	vPro
Core i5-6600	4 / 4	3.3 G / 3.9 G	6 MB	DDR4-2133	HD 530	vPro
Core i7-6700	4 / 8	3.4 G / 4.0 G	8 MB	DDR4-2133	HD 530	vPro

Memory

64GB max, UDIMM, DDR4 2133, four 288-pin DIMM sockets, dual-channel capable

Disk

Some: Hard disk, SATA 6.0Gb/s, 2.5"/ 3.5" wide, 5400 / 7200 rpm
Some: Solid State Hybrid Drive (SSHD), 500GB (5400 rpm, 2.5") / 1TB or 2TB (7200 rpm, 3.5"), with 8GB NAND flash memory, SATA 6.0Gb/s
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide
Some: M.2 SSD, PCIe NVMe, PCIe 3.0 x4, 32Gb/s
Some: Front accessible and removable HDD, 3.5", lockable via physical key

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive
Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive

Onboard SATA

Four onboard SATA 6.0Gb/s connectors, one is eSATA connector for optional rear eSATA port, RAID 0, 1 support

Media reader

Optional 29-in-1 media reader

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 1920x1200 (VGA)@60Hz
Some: **NVIDIA® Quadro® K420**, DirectX 12, 2GB, PCIe 2.0 x16 adapter, one DVI-I, one DisplayPort, 41 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz; 2560x1600 (DVI-I)@60Hz
Some: **NVIDIA Geforce® GT 720**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, one VGA, one HDMI, 25 watts;
Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz
Some: **NVIDIA Geforce GT 720**, DirectX 12, 1GB, PCIe 2.0 x8 adapter, two DisplayPort, 25 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;

DP cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Chipset

Intel Q170 Chipset

Front ports

Two USB 3.0, two optional USB 2.0, microphone (3.5mm), headphone (3.5mm)

Rear ports

Six USB 3.0, two optional USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional PS/2 ports (keyboard/mouse), one optional eSATA port
additional VGA, DisplayPort, DVI-I or HDMI on optional graphics on some models

Rear audio ports

Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)

IEEE 1394

None

Audio support

High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®

Modem

None

Manageability

Intel Active Management Technology 11.0 (Intel AMT 11.0);
Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- One lock to secure both cover and entire system to fixed object:
  -Padlock loop (in rear for opt padlock)
  -Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional chassis intrusion switch

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

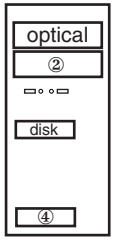
Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Mini Tower (25L), black color, metal case
- *(WxDxH)* 6.89" X 16.26" X 15.98"; 175mm X 413mm X 406mm
- 27.56 lb (12.5 kg)
- Toolless cover, disk, optical removal
- Toolless graphics, PCI adapter retention
- Optional carry handle, dust filter

Bay 1: 5.25", 1.6" high, access, std optical
Bay 2: 5.25", 1.6" high, access, opt media reader / front access HDD
Bay 3: 3.5", 1" high, no access, std disk
Bay 4: 3.5", 1" high, no access, opt disk (optional 2nd 3.5" disk tray)
Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 3.0 x1
Slot 3: half-length, full-height, PCIe 3.0 x16 (x4 elec, 75w max)
Slot 4: half-length, full-height, optional 32-bit PCI 2.3 (via M.2 to PCI adaptor)



Power supply

Some: 250 watts, autosensing, 85% PSU
Some: 400 watts, autosensing, 92% PSU (available only via Special Bid)

Limited warranty[3]

Some: **1-year** or **3-year**, **limited onsite service** / service upgrades available
Some: **3-year**, **limited onsite service, OID** (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools
- Intel Unite (vPro models only)

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

ENERGY STAR® 6.1*; EPEAT™ Gold rating*; (*Need 85% PSU and Windows OS); ErP Lot 3; GREENGUARD®; RoHS-compliant; TUV Green Mark, ULE Gold

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 3.5" Tray	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	PCI Slot	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	War-ranty	Ann Date (m/y)
10FD0007US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FD0008US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FD001WUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FD001XUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FD001YUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FD0020US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FD0021US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	11/15
10FD0022US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	11/15
10FD0024US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FD0025US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FD0026US	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FD0027US	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FD0028US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FD0029US	US	i5-6500	vPro	GT 720 1GB	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FD002AUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	180GB SSD Opal	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FD002BUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FD002CUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FD002DUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	128GB SSD	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FD002EUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	180GB SSD Opal	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FD002FUS	US	i5-6500	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 3.5" Tray	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	PCI Slot	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	War-ranty	Ann Date (m/y)
10FD002GUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	192GB SSD	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	12/15
10FD002HUS	US	i5-6500	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	12/15
10FD003PUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FD003QUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FD003RUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FD003SUS	US	i5-6500	vPro	GT 720 1GB	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FD003TUS	US	i7-6700	vPro	GT 720 1GB	None	8GBx1	256GB SSD Opal	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FD003UUS	US	i5-6500	vPro	GT 720 1GB	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16
10FD003VUS	US	i5-6500	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	10/16
10FD003WUS	US	i5-6500	vPro	GT 720 1GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 3.5" Tray	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	10/16

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 3.5" Tray	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	PCI Slot	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	War-ranty	Ann Date (m/y)
10FC0003US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	None	250W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FC0004US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	None	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FC0005US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	None	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FC0006US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	None	250W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FC000BUS	US	i5-6600	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FC000GUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD	None	None	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FC000HUS	US	i7-6700	vPro	GT 720 1GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	29-in-1	None	None	None	None	None	None	None	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite, OID	11/15
10FC000KUS	US	i5-6600	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB / USB	None	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FC000LUS	US	i7-6700	vPro	GT 720 1GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	29-in-1	None	None	None	None	None	None	None	Dust Filter	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15
10FC000MUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD	None	None	None	None	None	None	None	None	None	None	USB / USB	None	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite, OID	11/15

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ThinkCentre M900x Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics	Intel vPro
Core i3-6100	2 / 4	3.7 G	3 MB	DDR4-2133	HD 530	No
Core i3-6300	2 / 4	3.8 G	4 MB	DDR4-2133	HD 530	No
Core i5-6400	4 / 4	2.7 G / 3.3 G	6 MB	DDR4-2133	HD 530	No
Core i5-6500	4 / 4	3.2 G / 3.6 G	6 MB	DDR4-2133	HD 530	vPro
Core i5-6600	4 / 4	3.3 G / 3.9 G	6 MB	DDR4-2133	HD 530	vPro
Core i7-6700	4 / 8	3.4 G / 4.0 G	8 MB	DDR4-2133	HD 530	vPro

Memory

32GB max, DDR4 2133, two 260-pin SO-DIMM sockets, dual-channel capable

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide
Some: M.2 SSD, PCIe or SATA interface

Optical

Some: external ODD box with DVD-ROM, 9.5mm high, via USB
Some: external ODD box with DVD±RW, 9.5mm high, via USB
Some: external ODD box (for TIO) with DVD-ROM, 9.5mm high, via USB
Some: external ODD box (for TIO) with DVD±RW, 9.5mm high, via USB

Onboard SATA

One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

Media reader

None

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional HDMI, VGA, or 3rd DP, up to 3 independent displays;
Max resolution: 4096x2304 (DP)@60Hz; 4096x2160 (HDMI)@24Hz; 1920x1200 (VGA)@60Hz

DP cable

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Chipset

Intel Q170 Chipset

Front ports

Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)

Rear ports

Four USB 3.0 (optional external optical box or external I/O box occupies one or two specific USB 3.0 on some models), ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, HDMI, or serial on some models), one headphone

I/O box

Optional external I/O box, extends two USB 2.0, two USB 3.0, and one serial on rear, two USB 2.0 on front, via USB (occupy two specific USB 3.0 of M900x Tiny)

Audio support

High Definition (HD) Audio, Realtek ALC223 / optional internal speaker (1 watt)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter

Ethernet

Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®

Modem

None

Manageability

Intel Active Management Technology 11.0 (Intel AMT 11.0);
Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Padlock loop
- Smart USB protection, allows keyboard/ mouse only, blocks all storage devices
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

Tiny (1L), black color; metal case
M900x Tiny only:
7.05" W X 7.20" D X 1.36" H
179mm W X 182.9mm D X 34.5mm H
2.9 lb (1.3 kg), weight may vary by configuration
With VESA mount & ODD box:
7.42" W X 7.30" D X 2.48" H
188.4mm W X 185.38mm D X 63mm H
4.12 lb (1.87 kg), weight may vary by configuration
With VESA mount & I/O box:
7.42" W X 7.30" D X 2.62" H
188.4mm W X 185.38mm D X 66.6mm H
3.53 lb (1.6 kg), weight may vary by configuration

VESA mount

Optional VESA mount bracket kit, supports VESA 75mm and 100mm

Floor Stand

Optional system floor stand for vertical orientation

Power supply

135 watts AC/DC adapter, autosensing, 88% PSU

Limited warranty[3]

Some: 1-year or 3-year, depot service / service upgrades available
Some: 1-year or 3-year, limited onsite service / service upgrades available
Some: 3-year, limited onsite service, OID (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- PowerDVD Create (DVD±RW)
- Lenovo ThinkVantage Tools
- Intel Unite (vPro models only)

- Only for Window 10

- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo QuickOptimizer

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

ENERGY STAR® 6.1*; EPEAT™ Gold rating*; (*Need 85% PSU and Windows OS); ErP Lot 3; GREENGUARD®; RoHS-compliant

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10LX0002US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10LX0003US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10LX0004US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10LX0005US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10LX0006US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 Pro 64	3-year, Onsite	07/16
10LX0007US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	09/16
10LX0008US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD Opal	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	09/16
10LX0009US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	09/16
10LX000AUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	09/16
10LX000BUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	09/16
10LX000CUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	09/16
10LX000DUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	128GB SSD	None	8260 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	09/16

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ThinkCentre Tiny-in-One (TIO) 22

Model	10LKPAR6++ / 10LKPAT6++
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO 22, clean cabling and effortless setup
Compatible Tiny:	M900 Tiny, M700 Tiny, M600 Tiny, M93/p Tiny*, M83 Tiny, M73 Tiny*, or M53 Tiny, Chromebox * Non-TIO models can't be turned on by pressing power button of TIO 22
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	21.5" (546.1mm) diagonal
Max view area (W x H)	18.74" x 10.54" / 476.06mm x 267.79mm
Bezel Width	Top / Side: 2mm, Bottom: 16.3mm
Optimum resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.24795mm
Dot/Pixel per Inch	102.4 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms
Color gamut	72%
Anti-reflective	Anti-glare
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Preset resolutions	640x350 @ 70Hz 640x480 @ 60Hz, 66Hz, 72Hz, 75Hz 720x400 @ 70Hz 800x600 @ 60Hz, 72Hz, 75Hz 1024x768 @ 60Hz, 70Hz, 75Hz 1152x864 @75Hz 1280x800 @ 60Hz 1280x1024 @ 60Hz, 72Hz, 75Hz 1366x768 @ 60Hz 1440x900 @ 60Hz, 75Hz 1600x1200 @ 60Hz, 70Hz, 75Hz 1680x1050 @ 60Hz 1920x1080 @ 60Hz
Presets / user settings	Presets: 25; user settings: 25
On screen display	On screen display with digital user controls (8 languages)
Control features	Mode-switching (TIO mode / standalone monitor mode, switches video / audio / USB input sources) / Back button, Left shift button, Right shift / Brightness button, Selection button / Menu button, Power button
Tiny-in-One Power On	Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)
Front ports	Two USB 3.0 or two USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port), one headphone / microphone combo jack (3.5mm) * The USB ports are only available when a Tiny is istalled or a PC is connected via USB upstream port
Side ports	Side ports offered by installed Tiny (optional)
Rear ports	One DisplayPort 1.2 port, one USB upstream port, one power connector
3-in-1 Cable	Undetachable 3-in-1 cable (Power connecter, USB 3.0 [supports USB 3.0/ USB 2.0], DisplayPort 1.2), only for connecting to Tiny installed (optional)
Internal Speaker	1.5 watt x1
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO 22 together, more security features offered by Tiny installed (optional)

Mechanical

Dimensions	TIO 22 without stand	TIO 22 with stand
W x D x H (inch)	19.25 x 2.65 x 12.47	19.25 x 9.90 x 14.02 - 18.35
W x D x H (mm)	489.06 x 67.2 x 316.78	489.06 x 251.4 x 356.07 - 466.07

Weight (approximately)	11.27 lb /5.11 kg (with stand)

Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Adjustable stand	*Tilt:* 35° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°
Power supply	90 watts AC/DC adapter, 88% PSU, universal
Power consumption	15.57 watts typical, 35 watts maximum, <0.5 watts standby / suspend
Limited warranty[3]	**3-years**, Customer Carry-In or Mail-In via Rapid Replacement Service
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0 EPEAT™ Gold rating, ULE Gold, TUV, VOC
Windows certifications	Windows 7, Windows 8/8.1, and Windows 10 certified
Ship group	TIO 22 (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster
Accessories	For compatible accessories, please go to **http://www.lenovoquickpick.com**

ThinkCentre Tiny-in-One 22 Compatible list			
Model	M900 Tiny, M700 Tiny, M600 Tiny, M83 Tiny, M53 Tiny	M93/p Tiny, M73 Tiny	Chromebox
Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	Not support
Turn on TIO and Tiny together via TIO Power Button	All models	TIO models	All models

See footnotes for more detailed information

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Model	Region	Color	Display Size	Resolution	Aspect Ratio	Pixel Pitch	Dot / Pixel Per Inch	Brightness	Contrast Ratio	Pixel Response Time	Color Gamut	View Angle (H / V)	Stand	Power Comsuption (Typical / Maximum)	Power Supply	Warranty	Ann Date (mm/yy)
10LKPAR6US	US	Black	21.5"	1920x1080	16:9	0.24795mm	102.4 dpi	250 nits	1000:1	7 ms	72%	178 / 178	Adjustable Stand	15.57W / 35W	90W 88% Adapter	3-year	04/16
10LKPAT6US	US	Black	21.5"	1920x1080	16:9	0.24795mm	102.4 dpi	250 nits	1000:1	7 ms	72%	178 / 178	Adjustable Stand	15.57W / 35W	90W 88% Adapter	3-year	04/16

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ThinkCentre Tiny-in-One (TIO) 23

Model	10DQPAR6US
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO 23, clean cabling and effortless setup
Compatible Tiny:	M93/p Tiny, M83 Tiny, M73 Tiny, or M53 Tiny * Processor, memory, storage, operating system, WLAN, Bluetooth, Keyboard, mouse, etc., depend on the Tiny installed (optional)
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	23.0" (584.2mm) diagonal
Max view area (W x H)	20.05" x 11.28" / 509.2mm x 286.4mm
Optimum resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	.265mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-glare
Horizontal frequency	30 to 83kHz
Vertical frequency	50 to 75Hz
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Preset resolutions	640x350 @ 70Hz 640x480 @ 60Hz, 66Hz, 72Hz, 75Hz 720x400 @ 70Hz 800x600 @ 60Hz, 72Hz, 75Hz 1024x768 @ 60Hz, 70Hz, 75Hz 1152x864 @75Hz 1280x800 @ 60Hz 1280x1024 @ 60Hz, 72Hz, 75Hz 1366x768 @ 60Hz 1440x900 @ 60Hz, 75Hz 1600x1200 @ 60Hz, 70Hz, 75Hz 1680x1050 @ 60Hz 1920x1080 @ 60Hz
Presets / user settings	Presets: 25; user settings: 25
On screen display	On screen display with digital user controls (8 languages)
Control features	Mode-switching (TIO mode / standalone monitor mode, switches video/ audio/USB input source) / Back button, Left shift button, Right shift / Brightness button, Selection button / Menu button, Power button
Tiny-in-One Power On	Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)
USB ports	*Front:* two USB 3.0 (only when M93/p or M83 installed) or two USB 2.0 *Side:* two USB 2.0, one USB 2.0 upstream port (connect to PC), one mini USB 2.0 port for accessories (on top) * The USB ports are only available when a Tiny is istalled or a PC is connected via USB upstream port
Monitor connectors	One DisplayPort port, version 1.2
3-in-1 Cable	Undetachable 3-in-1 cable (Power connecter, USB, DisplayPort), only for connecting to Tiny installed (optional)
Audio port	one headphone / microphone combo jack (stereo, 3.5mm)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny and ODD box with TIO 23 together, more security features offered by Tiny installed (optional)

Mechanical

Dimensions	TIO 23 without stand	TIO 23 with stand
W x D x H (inch)	22.17 x 2.74 x 14.88	22.17 x 9.84 x 16.15 - 20.48
W x D x H (mm)	563 x 69.5 x 378	563 x 250 x 410.14 - 520.14

Weight (approximately)	TIO 23 with stand	TIO 23 with Tiny, stand, and ODD box installed
lb / kg	15.4lb / 7kg	18.9lb / 8.58kg

Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Adjustable stand	*Tilt:* 35° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°
Power supply	90 watts AC/DC adapter, 88% PSU, universal
Power consumption	22 watts typical, 45 watts maximum, <0.5 watts standby / suspend
Limited warranty[3]	**3-years**, Customer Carry-In Exchange (CCE) via Rapid Replacemen**,** IWS (International Warranty Service[9]) / service upgrades available *For Lenovo service upgrade options, please go to S-TC sheet*
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO (TCO Certified Edge 1.1), WEEE, RoHS, ENERGY STAR® 6.0 EPEAT™ Gold rating, ULE, TUV
Windows certifications	Windows 7, Windows 8, and Windows 8.1 certified
Ship group	TIO 23 (Monitor), detachable stand, Information flyer, Reference and driver CD, AC/DC power adapter, power cord, quickly-released screw
Accessories	For compatible accessories, please go to TC-AQP sheet

ThinkCentre Tiny-in-One 23 Compatible list

Model	M900 Tiny, M700 Tiny, M600 Tiny, M83 Tiny, M53 Tiny	M93/p Tiny, M73 Tiny	Chromebox
Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	Not support
Turn on TIO and Tiny together via TIO Power Button	All models	TIO models	All models

See footnotes for more detailed information

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Model	Region	Color	Display Size	Resolution	Aspect Ratio	Pixel Pitch	Dot / Pixel Per Inch	Brightness	Contrast Ratio	Pixel Response Time	Color Gamut	View Angle (H / V)	Stand	Power Comsuption (Typical / Maximum)	Power Supply	Warranty	Ann Date (mm/yy)
10DQPAR6US	US	Black	23"	1920x1080	16:9	0.265mm	96 dpi	250 nits	1000:1	5 ms	72%	170 / 160	Adjustable Stand	22W / 45W	90W 88% Adapter	3-year	10/14

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ThinkCentre Tiny-in-One (TIO) 24

Model	10LLPAR6++ / 10LLPAT6++
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO 24, clean cabling and effortless setup
Compatible Tiny:	M900 Tiny, M700 Tiny, M600 Tiny, M93/p Tiny*, M83 Tiny, M73 Tiny*, or M53 Tiny, Chromebox * Non-TIO models can't be turned on by pressing power button of TIO 24
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	23.8" (604.7mm) diagonal
Max view area (W x H)	21.06" x 12.32" / 535.0mm x 313.0mm
Bezel Width	Top / Side: 2mm, Bottom: 16.3mm
Optimum resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.2745mm
Dot/Pixel per Inch	92.6 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms
Color gamut	72%
Anti-reflective	Anti-glare
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Preset resolutions	640x350 @ 70Hz 640x480 @ 60Hz, 66Hz, 72Hz, 75Hz 720x400 @ 70Hz 800x600 @ 60Hz, 72Hz, 75Hz 1024x768 @ 60Hz, 70Hz, 75Hz 1152x864 @75Hz 1280x800 @ 60Hz 1280x1024 @ 60Hz, 72Hz, 75Hz 1366x768 @ 60Hz 1440x900 @ 60Hz, 75Hz 1600x1200 @ 60Hz, 70Hz, 75Hz 1680x1050 @ 60Hz 1920x1080 @ 60Hz
Presets / user settings	Presets: 25; user settings: 25
On screen display	On screen display with digital user controls (8 languages)
Control features	Mode-switching (TIO mode / standalone monitor mode, switches video / audio / USB input sources) / Back button, Left shift button, Right shift / Brightness button, Selection button / Menu button, Power button
Tiny-in-One Power On	Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)
Front ports	Two USB 3.0 or two USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port), one headphone / microphone combo jack (3.5mm) * The USB ports are only available when a Tiny is istalled or a PC is connected via USB upstream port
Side ports	Side ports offered by installed Tiny (optional)
Rear ports	One DisplayPort 1.2 port, one USB upstream port, one power connector
3-in-1 Cable	Undetachable 3-in-1 cable (Power connecter, USB 3.0 [supports USB 3.0/ USB 2.0], DisplayPort 1.2), only for connecting to Tiny installed (optional)
Internal Speaker	1.5 watt x1
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO 24 together, more security features offered by Tiny installed (optional)

Mechanical

Dimensions	TIO 24 without stand	TIO 24 with stand
W x D x H (inch)	21.24 x 2.7 x 13.64	21.24 x 9.90 x 15.16 - 19.46
W x D x H (mm)	539.6 x 68.2 x 346.45	539.6 x 251.4 x 385.08 - 495.08

Weight (approximately)	12.25 lb /5.57 kg (with stand)

Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Adjustable stand	*Tilt:* 35° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°
Power supply	90 watts AC/DC adapter, 88% PSU, universal
Power consumption	16.7 watts typical, 35 watts maximum, <0.5 watts standby / suspend
Limited warranty[3]	**3-years**, Customer Carry-In or Mail-In via Rapid Replacement Service
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0 EPEAT™ Gold rating, ULE Gold, TUV, VOC
Windows certifications	Windows 7, Windows 8/8.1, and Windows 10 certified
Ship group	TIO 24 (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster
Accessories	For compatible accessories, please go to **http://www.lenovoquickpick.com**

ThinkCentre Tiny-in-One 24 Compatible list			
Model	M900 Tiny, M700 Tiny, M600 Tiny, M83 Tiny, M53 Tiny	M93/p Tiny, M73 Tiny	Chromebox
Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	Not support
Turn on TIO and Tiny together via TIO Power Button	All models	TIO models	All models

See footnotes for more detailed information

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Model	Region	Color	Display Size	Resolution	Aspect Ratio	Pixel Pitch	Dot / Pixel Per Inch	Brightness	Contrast Ratio	Pixel Response Time	Color Gamut	View Angle (H / V)	Stand	Power Comsuption (Typical / Maximum)	Power Supply	Warranty	Ann Date (mm/yy)
10LLPAR6US	US	Black	23.8"	1920x1080	16:9	0.2745mm	92.6 dpi	250 nits	1000:1	7 ms	72%	178 / 178	Adjustable Stand	16.7W / 35W	90W 88% Adapter	3-year	05/16
10LLPAT6US	US	Black	23.8"	1920x1080	16:9	0.2745mm	92.6 dpi	250 nits	1000:1	7 ms	72%	178 / 178	Adjustable Stand	16.7W / 35W	90W 88% Adapter	3-year	05/16

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ThinkCentre X1 Platform Specifications

Processor

Intel® 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics	Intel vPro
Core i3-6100U	2 / 4	2.3 G	3 MB	DDR4-2133	HD 520	No
Core i5-6200U	2 / 4	2.3 G / 2.8 G	3 MB	DDR4-2133	HD 520	No
Core i5-6300U	2 / 4	2.4 G / 3.0 G	3 MB	DDR4-2133	HD 520	vPro
Core i7-6600U	2 / 4	2.6 G / 3.4 G	4 MB	DDR4-2133	HD 520	vPro

Intel Architecture (IA) SoC that integrates Intel processor core, graphics, memory controller, and I/O interfaces into a single system-on-chip solution

Memory

16GB max, DDR4 2133, one 260-pin SO-DIMM socket

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" Wide, 5400 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

None

Media reader

Optional 9-in-1 media card reader

Graphics

Intel HD Graphics 520 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™;
Max resolution: 4096x2304 (DP)@60Hz

DP Dongle

Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle

Display

23.8" (604.5mm) **Full HD 1080p (1920x1080) TFT color**, IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via DisplayPort (DP in / out combo)

Light sensor

None

Multi-touch

None

Camera

2.0-megapixel camera, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off, Skype for Business certified

Controls

Microphone mute, DP in / out switch, and power button

Chipset

Intel System-on-Chip (SoC) platform

Rear ports

Three USB 3.0, ethernet (RJ-45), DisplayPort in/out combo port,

Side ports

Two USB 3.0 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)

M.2 card slot

One M.2 Card slot (for WLAN)

Audio support

High Definition (HD) Audio, Realtek ALC233 / two internal speakers (5W x 2), Dolby® Audio™ certified, Skype for Business certified

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®

Manageability

Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)

Security chip

Trusted Platform Module (TPM 1.2-compliant)

Security features

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- Power-on, admin, hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional chassis intrusion switch

Keyboard

Some: Lenovo Slim USB Keyboard (USB connector), black
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Enhanced Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Business black color, Aluminum Alloy
- Toolless back cover and memory removal
- Optional VESA mount kit (100mm)

	Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments
Without stand:	22.4 X 1.3 X 14.2 (inch); 570 X 33 X 360 (mm)	8.8 / 4	N/A
With Orchid tilt stand:	22.4 X 9.4 X 17.8 (inch); 570 X 240 X 451 (mm)	11.0 / 5	Tilt: 45° back, -5° forward

Power supply

90 watts adapter, autosensing, 88% PSU

Limited warranty[3]

Some: **1-year** or **3-year**, **limited onsite service**
Some: **3-years**, **limited onsite service, OID** (Onsite International Delivery) /
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 7 Professional 64
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Solution Center
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate
- Lenovo ThinkVantage Tools

- Only for Window 10

- Lenovo Companion

- Only for Window 7

- Rescue and Recovery
- Password Manager
- ThinkVantage System Update
- Lenovo Message Center Plus
- Adobe® Reader®

Environment

EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant

MIL-SPEC test

MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Storage(HDD/SSD)	Media Reader	WLAN + Bluetooth	Camera	Chassis Intrusion Switch	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Global	Ann Date (mm/yy)
10KE0007US	US	i5-6200U	No	Intel HD 520	None	8GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	256GB SSD	9-in-1	8260 ac, 2x2 + BT4.1	1080p	None	2.4G / 2.4G	Orchid Tilt Stand	90W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	No	01/16
10KE0008US	US	i5-6200U	No	Intel HD 520	None	4GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	120GB SSD	9-in-1	8260 ac, 2x2 + BT4.1	1080p	None	2.4G / 2.4G	Orchid Tilt Stand	90W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	No	01/16
10KE001CUS	US	i5-6200U	No	Intel HD 520	None	8GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	256GB SSD	None	8260 ac, 2x2 + BT4.1	1080p	None	USB (Slim) / USB	Orchid Tilt Stand	90W 88% Adapter	Win10 Pro 64	3-year, Onsite	No	08/16
10KE001DUS	US	i5-6200U	No	Intel HD 520	None	4GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	128GB SSD	None	8260 ac, 2x2 + BT4.1	1080p	None	USB (Slim) / USB	Orchid Tilt Stand	90W 88% Adapter	Win10 Pro 64	3-year, Onsite	No	08/16
10KE001EUS	US	i5-6200U	No	Intel HD 520	None	4GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	128GB SSD	None	8260 ac, 2x2 + BT4.1	1080p	None	2.4G / 2.4G	Orchid Tilt Stand	90W 88% Adapter	Win10 Pro 64	3-year, Onsite	No	09/16
10KE001FUS	US	i5-6200U	No	Intel HD 520	None	8GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	256GB SSD	None	8260 ac, 2x2 + BT4.1	1080p	None	2.4G / 2.4G	Orchid Tilt Stand	90W 88% Adapter	Win10 Pro 64	3-year, Onsite	No	09/16
10KE001GUS	US	i5-6200U	No	Intel HD 520	None	4GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	500GB 7200rpm 2.5"	None	8260 ac, 2x2 + BT4.1	1080p	None	2.4G / 2.4G	Orchid Tilt Stand	90W 88% Adapter	Win10 Pro 64	3-year, Onsite	No	09/16
10KE001HUS	US	i5-6200U	No	Intel HD 520	None	4GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	500GB 7200rpm 2.5"	None	8260 ac, 2x2 + BT4.1	1080p	None	2.4G / 2.4G	Orchid Tilt Stand	90W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	No	09/16
10KE001JUS	US	i5-6200U	No	Intel HD 520	None	4GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	128GB SSD	None	8260 ac, 2x2 + BT4.1	1080p	None	2.4G / 2.4G	Orchid Tilt Stand	90W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	No	09/16
10KE001LUS	US	i5-6200U	No	Intel HD 520	None	8GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	256GB SSD Opal	9-in-1	8260 ac, 2x2 + BT4.1	1080p	None	2.4G / 2.4G	Orchid Tilt Stand	90W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	No	12/16
10KE001MUS	US	i5-6200U	No	Intel HD 520	None	8GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	256GB SSD Opal	None	8260 ac, 2x2 + BT4.1	1080p	None	2.4G / 2.4G	Orchid Tilt Stand	90W 88% Adapter	Win10 Pro 64	3-year, Onsite	No	12/16
10KE001NUS	US	i5-6200U	No	Intel HD 520	None	8GBx1	23.8" FHD (1920x1080) IPS Anti-glare	None	256GB SSD Opal	None	8260 ac, 2x2 + BT4.1	1080p	None	USB (Slim) / USB	Orchid Tilt Stand	90W 88% Adapter	Win10 Pro 64	3-year, Onsite	No	12/16

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, go to http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page . Lenovo makes no representation or warranty regarding third party products or services.

[1] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[2] **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

[3] **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

[4] **CD and DVD list** maximum rates; rates are variable and are often less than the maximum.

[5] **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.

[7] **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See lenovo terms and conditions for complete details and restrictions.

[8] **Memory:** For PCs without a separate graphics card, memory supports both system and video. Accessible system memory may be up to 384MB less than the amount stated, depending on video mode.

[9] **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[10] **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

[11] **For combination drives**, maximum speeds only are given in the following order: CD read, CD write, CD re-write, DVD read.

[12] **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

[13] **Wireless capability:** Requires compatible wireless-enabled options sold separately.

[14] **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

[15] **Update Connector** is available at no charge to registered customers during the limited warranty period. Line charges may apply.

[16] **Embedded Security Subsystem** works with optional VPN software.

[18] **Embedded Security Subsystem** may require download of client security software from the Web.

[19] **Asset ID** allows system-specific information to be stored in a chip inside the system; it does not have any radio frequency support.

[20] **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

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Lenovo ThinkStation

PSREF

Product Specifications Reference

Version 500, January 2017

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Summary of Changes

This section describes the changes made in this version of ThinkStation PSREF and in previous version. This edition might also include minor corrections and editorial changes which are not identified.

January 4, 2016 - Version 500

►Added ThinkStation P310 models announced on December 2016

December 14, 2016 - Version 499

►Added ThinkStation P410/P510/P710/P910 EMEA models
►Added 1TB M.2 PCIe SSD, Quadro P5000, Quadro P6000 support on ThinkStation P510/P710/P910
►Added Quadro P5000 support on ThinkStation P410
►Added 6TB 7.2K SATA6Gbs HDD support on ThinkStation P410/P510/P710/P910
►Added ThinkStation P410/P510/P710/P910 models announced on December 2016

November 23, 2016 - Version 498

►Removed ThinkStation P500/P900 due to EOL
►Added ThinkStation P310 Tower and SFF models announced on November 2016

October 12, 2016 - Version 496

►Removed flash option on ThinkStation P510/P710/P910
►Added ThinkStation P310/P410/P510/P710/P910 models announced on September 2016

August 3, 2016 - Version 493

►Removed ThinkStation P500/P700/P900 Windows 7 DG from Win8.1 U.S. models
►Added keyboard and mouse features on all ThinkStation

July 13, 2016 - Version 492

►Added ThinkStation P500, P700, and P900 Windows 10 downgrade to Windows 7 models
►Updated Maximum configuration weight of ThinkStation P410
►Added ThinkStation P710 and P910 models announced on on July 2016
►Added "Maximum drives in 3.5" bay" feature on ThinkStation P500/P510/P700/P710/P900/P910

June 22, 2016 - Version 491

►Added new product ThinkStation P410/P510
►Added NVIDIA Quadro M2000 on ThinkStation P310 Tower
►Added keyboard and mouse information on ThinkStation P710/P910
►Added internal USB information on ThinkStation P710/P910

June 2, 2016 - Version 490

►Added ThinkStation P710/P910 US models
►Updated ThinkStation P710/P910 processor information

May 19, 2016 - Version 489

- ►Added NVIDIA Quadro M2000 on compatible product
- ►Updated maximum weight on ThinkStation P710
- ►Removed 30AT000BUS

April 27, 2016 - Version 488

- ►Added ThinkStation P710 and P910 models for EMEA, announced on April 2016
- ►Updated Energy star information on ThinkStation P500/P700/P710/P900/P910

April 6, 2016 - Version 487

- ►New ThinkStation P710 and P910, announced April 5, 2016 (specification only)

March 23, 2016 - Version 486

- ►Added processors specifications for P310/P500/P700/P900

February 24, 2016 - Version 485

- ►Added ThinkStation P310 and P700 models for US, announced on February 2016
- ►Added ThinkStation P700 and P900 models for EMEA, announced on February 2016

December 9, 2015 - Version 482

- ►New ThinkStation P310 Tower and SFF, announced November 24, 2015

November 18, 2015 - Version 481

- ►Combines ThinkStation PSREF United States version and Western Europe version.
- ►Extends the supported GEO into Europe, Middle East and Africa.
- ►Covers all TopSeller and Relationship models for US and all focus models for EMEA





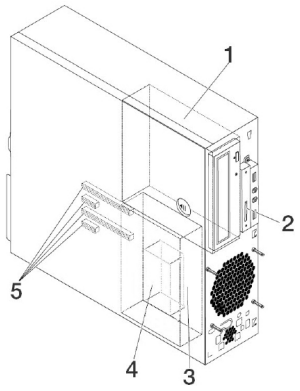


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ThinkStation P310 SFF Platform Specifications

Components	Specification
Chipset	Intel C236 Chipset
Intel AMT	Intel Active Management Technology 11 supported on Xeon models
Processor	One LGA1151 socket, supports one the following processors: Xeon E3-1280 v5 – 4C/3.7GHz/8MB/80W/DDR4-2133 Xeon E3-1275 v5 – 4C/3.6GHz/8MB/80W/DDR4-2133 Xeon E3-1270 v5 – 4C/3.6GHz/8MB/80W/DDR4-2133 Xeon E3-1245 v5 – 4C/3.5GHz/8MB/80W/DDR4-2133 Xeon E3-1240 v5 – 4C/3.5GHz/8MB/80W/DDR4-2133 Xeon E3-1230 v5 – 4C/3.4GHz/8MB/80W/DDR4-2133 Xeon E3-1225 v5 – 4C/3.3GHz/8MB/80W/DDR4-2133 Xeon E3-1220 v5 – 4C/3GHz/8MB/80W/DDR4-2133 Core i7-6700 – 4C/3.4GHz/8MB/65W/DDR4-2133 Core i5-6600 – 4C/3.3GHz/6MB/65W/DDR4-2133 Core i5-6500 – 4C/3.2GHz/6MB/65W/DDR4-2133 Core i5-6400 – 4C/2.7GHz/6MB/65W/DDR4-2133 Core i3-6320 – 2C/3.9GHz/4MB/51W/DDR4-2133 Core i3-6300 – 2C/3.8GHz/4MB/51W/DDR4-2133 Core i3-6100 – 2C/3.7GHz/3MB/51W/DDR4-2133
Memory DIMM slots	4 DIMM slots, 2-channel (integrated memory controller in processor)
Memory type/capacity	Up to 64GB ECC/non-ECC (4 x 16GB), DDR4-2133, UDIMM
Intel HD Graphics in processor	Integrated Intel HD P530 in Xeon E3-12x5 v5 processors; or Intel HD 530 in Core i7, i5, or i3 processors. Works along with discrete graphics to support multi-display, enables three display connectors (2 DP, 1 VGA) on rear. Max Resolution: 4096 x 2304
Discrete graphics	Two PCI Express 3.0 x16 slots for graphics adapters. Up to two Quadro K1200. Supports the following NVIDIA graphics adapters: Adapter / Cores / Memory / Power / Connector NVS 310 / 48 / 1GB / 19.5W / 2xDP NVS 315 / 48 / 1GB / 19.5W / 2xDVI-I SL/2xDP NVS 510 / 192 / 2GB / 33.4W / 4xmini DP Quadro K420 / 192 / 2GB / 41W / 1xDVI-I DL+1xDP Quadro K620 / 384 / 2GB / 45W / 1xDVI-I DL+1xDP Quadro K1200 / 512 / 4GB / 45W / 4xminiDP
Onboard drive controller	Five onboard SATA 6.0Gb/s connectors for optical and disk drives plus one SATA connector for optional eSATA. RAID 0, 1, 5* support ** RAID 5 supports three 2.5" SSDdrives only.*
Drive Bays	One external 5.25" bay, one internal 3.5" bay (see right). Up to one 9.5mm optical + 2 x 3.5" disk drive bays + 1 x 2.5" disk drive bay + one M.2 NVMe SSD
Supporting disk drives	3.5" SATA HDD (7.2K 6Gbs) – 500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid 2.5" SATA SSD (6Gbs) – 128GB/180GB*/240GB*/256GB*/480GB*/512GB*/1TB* M.2 NVMe SSD – 256GB*/512GB*/1TB*, via PCIe 3.0 x4 adapter *** Includes OPAL options*
Max internal storage	9TB (2 x 4TB 3.5" HDDs + 1 x 1TB 2.5" SSD) plus one 512GB M.2 NVMe SSD
Media reader	9-in-1 card reader. Optional 29-in-1 card reader on selected models
Power supply	210 watts with variable speed fan, autosensing, 85% PSU, Climate Savers Computing Bronze, 80 PLUS Bronze qualified
Onboard Ethernet	One onboard gigabit ethernet, Intel I219LM, supports Wake-on-LAN
HD Audio	Realtek ALC662 codec
TPM	Standard, TCG 1.2-compliant
Front ports	Two USB 3.0, microphone (3.5mm), headphone (3.5mm)
Rear ports	1 VGA and 2 DisplayPort (functional only on Intel HD Graphics models), two USB 2.0, four USB 3.0 (blue), one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in)
Additional ports	Supports the following optional ports: • Two IEEE 1394 (one on rear and one on front flex module) via PCIe adpater, up to one adapter per system. Supports one of the following per system: • Two rear USB 3.0 per PCIe adapter. • One front eSATA (on flex module), or one rear eSATA via cable and PCIe slot bracket, up to one eSATA port per system. • One additional serial port via cable. • One parallel port via cable

Components	Specification
Mechanical	• Raven black color; metal case • 4.02"W x 15.53"D x 13.31"H • 102mm W x 394.5mm D x 338mm H • 17.2 lb (7.9kg) max configuration • 12.9-liter
Environmental certifications	GREENGUARD certified/RoHS-compliant/EPEAT Gold rating/ ENERGY STAR 6.1 qualified
Limited warranty	1 or 3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units.



Drive Bays and PCIe Slots

Bay 1	5.25", supports one of the following: HH optical/flex module***/9.5mm optical+3.5" HDD bay/ 3.5" HDD bay/Front Access Storage Enclosure **** Flex module supports one or more of the following: 9.5mm optical/ 29-in-1 reader/front IEEE 1394/front eSATA.* *Up to one flex module is supported per system.*
Bay 2	Optional 9-in-1 single slot reader
Bay 3	Standard 3.5" HDD bay
Bay 4	Optional 2.5" HDD bay (under Bay 3)
5 -Slots	Four PCIe slots (top-down): Slot 1: Low Profile, PCIe 3.0 x16 (near CPU) Slot 2: Low Profile, PCIe 3.0 x1 Slot 3: Low Profile, PCIe 3.0 x16 (x4 elec) Slot 4: Low Profile, PCIe 3.0 x1

For the list of ISV certifications, please visit *www.thinkworkstations.com/isv-certifications/*
For a list of all supported options, please visit
https://download.lenovo.com/pccbbs/options_iso/ocm_july_2016.xlsx sheet

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Chassis Intrusion Switch	Keyboard / Mouse	Operating System	Warranty	Global	Ann Date (mm/yy)
30AV0007US	US	Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133	Intel HD 530	1x4GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AV0008US	US	Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133	Intel HD 530	1x4GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AV0009US	US	Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133	Intel HD 530	1x4GB UDIMM DDR4-2133 Non-ECC	1x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AV000AUS	US	Core i5-6600 4C/3.3GHz/6MB/65W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AV000BUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AV000CUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AV000DUS	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	Intel HD P530	1x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AV000EUS	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AV000VUS	US	Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	02/16
30AV000WUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K620 2GB	2x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	02/16
30AV000XUS	US	Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K1200 4GB	4x8GB UDIMM DDR4-2133 Non-ECC	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	02/16
30AV0012US	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AV001TUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AV001UUS	US	Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AV001VUS	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K1200 4GB	1x8GB UDIMM DDR4-2133 ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16

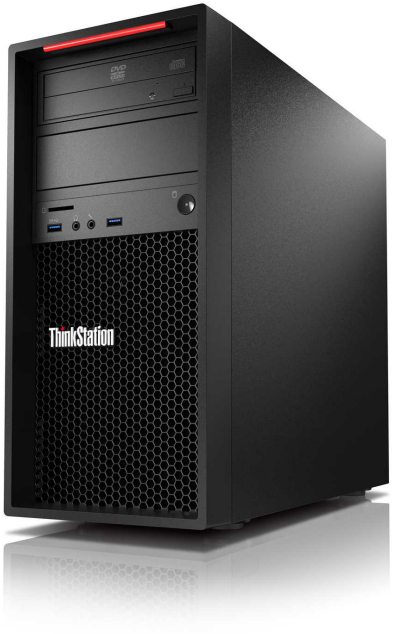
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Model	Region	Processor	Graphics	Memory (Capacity/Type)	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Chassis Intrusion Switch	Keyboard / Mouse	Operating System	Warranty	Global	Ann Date (mm/yy)
30AV001WUS	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AV001XUS	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	Intel HD P530	1x8GB UDIMM DDR4-2133 ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AV001YUS	US	Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AV0020US	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	Intel HD P530	1x8GB UDIMM DDR4-2133 ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AV0021US	US	Xeon E3-1220 v5 4C/3GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AV0022US	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K1200 4GB	1x8GB UDIMM DDR4-2133 ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AV0023US	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AV002DUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K620 2GB	2x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	12/16
30AV002EUS	US	Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	210W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	12/16

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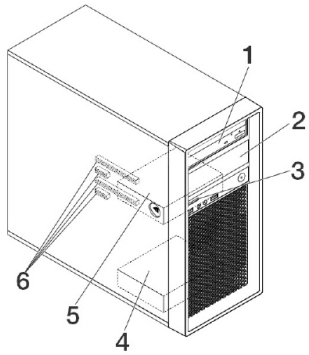


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ThinkStation P310 Tower Platform Specifications

Components	Specification
Chipset	Intel C236 Chipset
Intel AMT	Intel Active Management Technology 11 supported on Xeon models
Processor	One LGA1151 socket, supports one the following processors: Xeon E3-1280 v5 — 4C/3.7GHz/8MB/80W/DDR4-2133 Xeon E3-1275 v5 — 4C/3.6GHz/8MB/80W/DDR4-2133 Xeon E3-1270 v5 — 4C/3.6GHz/8MB/80W/DDR4-2133 Xeon E3-1245 v5 — 4C/3.5GHz/8MB/80W/DDR4-2133 Xeon E3-1240 v5 — 4C/3.5GHz/8MB/80W/DDR4-2133 Xeon E3-1230 v5 — 4C/3.4GHz/8MB/80W/DDR4-2133 Xeon E3-1225 v5 — 4C/3.3GHz/8MB/80W/DDR4-2133 Xeon E3-1220 v5 — 4C/3GHz/8MB/80W/DDR4-2133 Core i7-6700 — 4C/3.4GHz/8MB/65W/DDR4-2133 Core i5-6600 — 4C/3.3GHz/6MB/65W/DDR4-2133 Core i5-6500 — 4C/3.2GHz/6MB/65W/DDR4-2133 Core i5-6400 — 4C/2.7GHz/6MB/65W/DDR4-2133 Core i3-6320 — 2C/3.9GHz/4MB/51W/DDR4-2133 Core i3-6300 — 2C/3.8GHz/4MB/51W/DDR4-2133 Core i3-6100 — 2C/3.7GHz/3MB/51W/DDR4-2133
Memory DIMM slots	4 DIMM slots, 2-channel (integrated memory controller in processor)
Memory type/capacity	Up to 64GB ECC/non-ECC (4 x 16GB), DDR4-2133, UDIMM
Intel HD Graphics in processor	Integrated Intel HD P530 in Xeon E3-12x5 v5 processors; or Intel HD 530 in Core i7, i5, or i3 processors. Works along with discrete graphics to support multi-display, enables three display connectors (2 DP, 1 VGA) on rear. Max resolution: 4096 x 2304
Discrete graphics	Two PCI Express 3.0 x16 slots for graphics adapters. Up to two Quadro K1200 on 250 watts models. Or up to two Quadro K2200, or up to one Quadro M4000 on 400 watts models. Supports the following NVIDIA graphics adapters: Adapter / Cores / Memory / Power / Connector NVS 310 / 48 / 1GB / 19.5W / 2xDP NVS 315 / 48 / 1GB / 19.5W / 2xDVI-I SL/2xDP NVS 510 / 192 / 2GB / 33.4W / 4xmini DP Quadro K420 / 192 / 2GB / 41W / 1xDVI-I DL+1xDP Quadro K620 / 384 / 2GB / 45W / 1xDVI-I DL+1xDP Quadro K1200 / 512 / 4GB / 45W / 4xminiDP Quadro K2200 / 640 / 4GB / 68W / 1xDVI-I DL+2xDP Quadro M2000 / 768 / 4GB / 75W / 4xDP Quadro M4000 / 1664 / 8GB / 120W / 4xDP
Onboard drive controller	Five onboard SATA 6.0Gb/s connectors for optical and disk drives plus one SATA connector for optional eSATA. RAID 0, 1, 5, 10 support
Drive Bays	Two external 5.25" bays, two internal 3.5" bays (see right). Up to one 9.5mm optical plus 4 x 3.5" disk drive bays plus one M.2 NVMe SSD
Supporting disk drives	3.5" SATA HDD (7.2K 6Gbs) — 500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid 2.5" SATA SSD (6Gbs) — 128GB/180GB*/240GB*/256GB*/480GB*/512GB*/1TB* M.2 NVMe SSD — 256GB*/512GB*/1TB*, via PCIe 3.0 x4 adapter *** Includes OPAL options*
Max internal storage	16TB (4 x 4TB 3.5" HDDs) plus 512GB M.2 NVMe SSD
Media reader	9-in-1 card reader. Optional 29-in-1 card reader on selected models
Power supply	Supports one of the following: • 250 watts with variable speed fan, autosensing, 85% PSU, Climate Savers Computing Bronze, 80 PLUS Bronze qualified • 400 watts with variable speed fan, autosensing, 92% PSU, Climate Savers Computing Platinum, 80 PLUS Platinum qualified
Onboard Ethernet	One onboard gigabit ethernet, Intel I219LM, supports Wake-on-LAN
HD Audio	Realtek ALC662 codec
TPM	Standard, TCG 1.2-compliant
Front ports	Two USB 3.0, microphone (3.5mm), headphone (3.5mm)
Rear ports	1 VGA and 2 DisplayPort (for Intel HD Graphics models only), two USB 2.0, four USB 3.0 (blue), one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in)

Components	Specification
Additional ports	Supports the following optional ports: • Two IEEE 1394 (one on rear and one on front flex module) via PCIe adpater, up to one adapter per system. Supports one of the following per system: • Two rear USB 3.0 per PCIe adapter. • One rear Thunderbolt via PCIe adapter. • One front eSATA (on flex module), or one rear eSATA via cable and PCIe slot bracket, up to one eSATA port per system. • One additional serial port via cable. • One parallel port via cable
Mechanical	• Raven black color; metal case • 6.89"W x 16.77"D x 14.8"H • 175mm W x 426mm D x 376mm H • 28.66 lb (13kg) max configuration • 25-liter
Environmental certifications	GREENGUARD certified/RoHS-compliant/EPEAT Gold rating/ ENERGY STAR 6.1 qualified
Limited warranty	3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units.



Drive Bays and PCIe Slots

Bay 1 and Bay 2	5.25", support one of the following: HH optical/flex module**/9.5mm optical+3.5" HDD bay/ 3.5" HDD bay/Front Access Storage Enclosure *** Flex module supports one or more of the following: 9.5mm optical/ 29-in-1 reader/front IEEE 1394/front eSATA.* *Up to one flex module is supported per system.*
Bay 3	Optional 9-in-1 single slot reader
Bay 4	Standard 3.5" HDD bay
Bay 5	Standard 3.5" HDD bay
6 -Slots	Four PCIe slots (top-down): Slot 1: Half length, full height, PCIe 3.0 x16 (near CPU) Slot 2: Half length, full height, PCIe 3.0 x1 Slot 3: Half length, full height, PCIe 3.0 x16 (x4 elec) Slot 4: Half length, full height, PCIe 3.0 x1

For the list of ISV certifications, please visit *www.thinkworkstations.com/isv-certifications/*
For a list of all supported options, please visit
https://download.lenovo.com/pccbbs/options_iso/ocm_july_2016.xlsx sheet

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Chassis Intrusion Switch	Keyboard / Mouse	Operating System	Warranty	Global	Ann Date (mm/yy)
30AT000BUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000CUS	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	Intel HD P530	1x8GB UDIMM DDR4-2133 ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000EUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000FUS	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	Intel HD P530	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000GUS	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	Intel HD P530	1x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000HUS	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000JUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000KUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K2200 4GB	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000LUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K2200 4GB	2x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000MUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530	2x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000NUS	US	Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT000PUS	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	Intel HD P530	2x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	400W 92%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/15
30AT005CUS	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 ECC	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT005DUS	US	Xeon E3-1220 v5 4C/3GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT005EUS	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	NVIDIA Quadro M2000 4GB	1x8GB UDIMM DDR4-2133 ECC	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Chassis Intrusion Switch	Keyboard / Mouse	Operating System	Warranty	Global	Ann Date (mm/yy)
30AT005FUS	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	Intel HD P530	1x8GB UDIMM DDR4-2133 ECC	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT005GUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT005HUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	400W 92%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT005JUS	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	Intel HD P530	1x8GB UDIMM DDR4-2133 ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	400W 92%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT005KUS	US	Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT005LUS	US	Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133	Intel HD 530	1x8GB UDIMM DDR4-2133 Non-ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT005MUS	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	Intel HD P530	1x8GB UDIMM DDR4-2133 ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT005NUS	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB UDIMM DDR4-2133 ECC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT005PUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro M2000 4GB	1x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 Pro 64	3-year	No	07/16
30AT006PUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K1200 4GB	2x8GB UDIMM DDR4-2133 Non-ECC	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/16
30AT006QUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K620 2GB	2x8GB UDIMM DDR4-2133 Non-ECC	1x512GB SSD M.2 PCIe	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/16
30AT006RUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K620 2GB	2x8GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/16
30AT006SUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA NVS 510 2GB	2x8GB UDIMM DDR4-2133 Non-ECC	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/16
30AT006TUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro K1200 4GB	2x8GB UDIMM DDR4-2133 Non-ECC	1x512GB SSD M.2 PCIe	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/16
30AT006UUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro M2000 4GB	2x8GB UDIMM DDR4-2133 Non-ECC	1x512GB SSD M.2 PCIe	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/16

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Chassis Intrusion Switch	Keyboard / Mouse	Operating System	Warranty	Global	Ann Date (mm/yy)
30AT006VUS	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530+NVIDIA Quadro M2000 4GB	1x16GB UDIMM DDR4-2133 Non-ECC	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/16
30ATA023US	US	Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133	Intel HD 530	2x8GB UDIMM DDR4-2133 Non-ECC	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	250W 85%	None	None	Switch	USB / USB Optical	Win10 DG Win7 Pro 64	3-year	No	11/16

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ThinkStation P410 Platform Specifications

Components	Specification
Chipset	Intel C612 Platform Controller Hub (PCH)
System mgmt	Intel Active Management Technology 9
Processor	Up to one 140W Intel Xeon E5-1600 v4 family processors. Some Intel Xeon E5-2600 v4 processers are also available:

E5-2637 v4	4C/3.5GHz/15MB/135W/DDR4-2400
E5-2623 v4	4C/2.6GHz/10MB/85W/DDR4-2133
E5-2620 v4	8C/2.1GHz/20MB/85W/DDR4-2133
E5-1680 v4	8C/3.4GHz/20MB/140W/DDR4-2400 333
E5-1660 v4	8C/3.2GHz/20MB/140W/DDR4-2400
E5-1650 v4	6C/3.6GHz/15MB/140W/DDR4-2400
E5-1630 v4	4C/3.7GHz/10MB/140W/DDR4-2400
E5-1620 v4	4C/3.5GHz/10MB/140W/DDR4-2400
E5-1607 v4	4C/3.1GHz/10MB/140W/DDR4-2133
E5-1603 v4	4C/2.8GHz/10MB/140W/DDR4-2133

Coprocessor	None
Memory DIMM slots	4 DIMM sockets. 4-channel capable. RDIMM. ECC. DDR4-2400
Memory capacity	128GB (32GB x 4)
Graphics	Two PCIe 3.0 x16 slots, up to two NVIDIA Quadro M4000, or up to one Quadro P5000

Supporting Graphics and GPU computing

Adapter	Cores	Memory	Power	SLI	Connector***
NVS 310	48	1GB	19.5W		2xDP
NVS 315	48	1GB	19.5W		2xDVI-I SL/2xDP
NVS 510	192	2GB	35W		4xmini DP
NVS 810	1024	4GB	68W		8xmini DP
Quadro K420	192	2GB	41W		DVI-I DL+DP
Quadro K620	384	2GB	45W		DVI-I DL+DP
Quadro K1200	512	4GB	45W		4xmini DP
Quadro M2000	768	4GB	75W		4xDP
Quadro M4000	1664	8GB	120W		4xDP
Quadro M5000	2048	8GB	150W		DVI-I DL+4xDP
Quadro P5000	2560	16GB	180W		DVI-D DL+4xDP

Disk drive controller	**RAID 0, 1, 5, 10** with onboard SATA controller in chipset, SATA 6Gb/s. Optional **RAID 0, 1, 10** with optional LSI 9340-8i PCIe adapter, 12Gb/s SAS and SATA, optional upgrade to RAID 5 is available
Drive Bays	Two external 5.25" flex bays, two internal 3.5" bays. Up to one 9.5mm optical plus four 3.5"/2.5" disk drives plus three M.2 PCIe SSD (see right)

Supporting storage

3.5" HDD, 7.2K SATA6Gbs	500GB/1TB/2TB/3TB/4TB/6TB, 1TB/2TB hybrid
2.5" HDD, 10K SAS12Gbs	300GB/600GB
2.5" SSD, SATA6Gbs	180GB/240GB/256GB/480GB/512GB with OPAL, 256GB/512GB/1TB without OPAL
PCIe SSD, M.2 via PCIe 3.0 x4 adapter	256GB/512GB/1TB, NVMe

Flex connector	None
Network interfaces	One onboard gigabit ethernet, Intel I218LM, supports Wake-on-LAN. Optional discrete ethernet adapters are available
HD Audio	Realtek ALC662 codec
TPM	TCG 1.2-compliant
Power supply	One fixed 450 watts, autosensing, 92%, 80 PLUS Platinum qualified
Front ports	Two USB 3.0, microphone (3.5mm), headphone (3.5mm)
Rear ports	Two USB 2.0, four USB 3.0, one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in)
Additional ports	Supports the following optional ports: Two IEEE 1394 (one on rear and one on front flex module) via PCIe adpater, up to one adapter per system. Two rear USB 3.0 per PCIe adapter, up to three adapters per system. One rear Thunderbolt via PCIe adapter, or two front Thunderbolt (on flex module) via PCIe adapter, front and rear Thunderbolt cannot be intermixed. One rear serial via cable, up to one per system. One front eSATA (on flex module), or one rear eSATA via cable and PCIe slot bracket, up to one eSATA port per system
Media reader	9-in-1 USB 2.0 card reader. Optional 29-in-1 USB 2.0 card reader on flex module

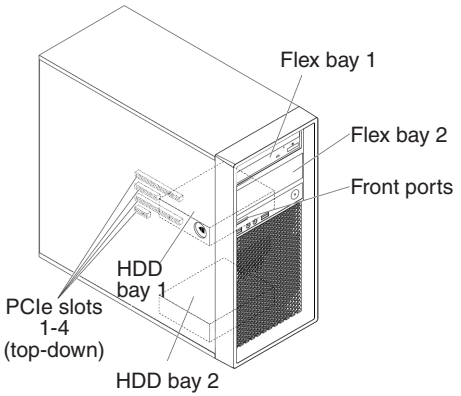
Components	Specification
Mechanical	• 6.89"W x 16.77"D x 14.8"H • 175mm W x 426mm D x 376mm H • 30.86 lb (14kg) max configuration • 25-liter

Environmental specification

Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
Temperature - non operating (no package)	14 °F to 140 °F (-10 °C to 60 °C)
Temperature - non operating (with package)	-40 °F to 140 °F (-40 °C to 60 °C)
Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
Humidity - operating	10%~80%, non-condensing
Humidity - storage (with package)	10%~90%, non-condensing

RoHS-compliant, GREENGUARD on all models. EPEAT Gold rating, ENERGY STAR 6.1 qualified on selected models.

Base warranty	1 or 3-year limited onsite service with 9x5/NBD



Expansion slots

Slot 1	PCIe 3.0 x16, full length, full height
Slot 2	PCIe 3.0 x8, full length, full height
Slot 3	PCIe 3.0 x16, full length, full height
Slot 4	PCIe 2.0 x4, half length, full height

Drive Bays

HDD bay 1	3.5", for one 3.5"/2.5" drive
HDD bay 2	3.5", for one 3.5"/2.5" drive
Flex bay 1	HH optical, or 3.5" HDD bay via optional conversion kit, or slim optical+3.5" HDD bay kit via optional conversion kit, or flex module
Flex bay 2	HH optical, or 3.5" HDD bay via optional conversion kit, or slim optical+3.5" HDD bay kit via optional conversion kit, or flex module

Note:
1. HDD bay 2 is not available when one Quadro M5000, two Quadro M4000, or two NVS 810 are used.
2. Flex module supports one or more of the following options: 9.5mm optical/29-in-1 USB 2.0 reader/one front IEEE 1394/one front eSATA/two front Thinderbolt. Up to one flex module is supported per system.
3. Up to one slim optical+3.5" HDD bay kit is supported per system.

For the list of ISV certifications, please visit *www.thinkworkstations.com/isv-certifications*
For a list of all supported options, please visit
https://download.lenovo.com/pccbbs/options_iso/ocm_december_2016.xlsx sheet

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Chassis Intrusion Switch	Keyboard / Mouse	Operating System	Warranty	Ann Date (mm/yy)
30B3001PUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K620 2GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B3001QUS	US	Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B3001RUS	US	Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B3001SUS	US	Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B3001TUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K620 2GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B3001UUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B3001VUS	US	Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B3001WUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K620 2GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B3001XUS	US	Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K620 2GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B3001YUS	US	Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B30020US	US	Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B30021US	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B30022US	US	Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x512GB SSD M.2 PCIe	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / CadMouse	Windows 10 Pro 64	3-year	06/16
30B3002AUS	US	Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3002HUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Chassis Intrusion Switch	Keyboard / Mouse	Operating System	Warranty	Ann Date (mm/yy)
30B3003KUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K620 2GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3003LUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K620 2GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3003MUS	US	Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K620 2GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3003NUS	US	Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3003PUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K620 2GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3003QUS	US	Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x512GB SSD M.2 PCIe	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / CadMouse	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3003RUS	US	Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3003SUS	US	Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3003TUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3003UUS	US	Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3003VUS	US	Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3004JUS	US	Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	2x16GB RDIMM DDR4-2400 ECC	Onboard	1x512GB SSD 2.5" SATA6Gbs+1x256GB SSD M.2 PCIe Opal	None	None	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B3004MUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B3004NUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B3004PUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Chassis Intrusion Switch	Keyboard / Mouse	Operating System	Warranty	Ann Date (mm/yy)
30B3004QUS	US	Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400	NVIDIA Quadro P5000 16GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B3004RUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB HDD 7.2K 3.5" SATA6Gbs	None	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B3004SUS	US	Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B3004TUS	US	Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B3004UUS	US	Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	9340-8i PCIe	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B3004VUS	US	Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	450W 92%	None	None	Switch	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16

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ThinkStation P510 Platform Specifications

Components	Specification
Chipset	Intel C612 Platform Controller Hub (PCH)
System mgmt	Intel Active Management Technology 9
Processor	Up to one 145W Intel Xeon E5-2600 v4 or E5-1600 v4 family processors. 22 cores up to 2.2GHz, 16 cores up to 2.6GHz, 14 cores up to 2.6GHz, 12 cores up to 2.2GHz, 10 cores up to 2.4GHz, 8 cores up to 3.4GHz, 6 cores up to 3.6GHz, 4 cores up to 3.7GHz Or up to one Intel Xeon E5-2600 v3 or E5-1600 v3 processors (not available in EMEA).
Coprocessor	None
Memory DIMM slots	8 DIMM sockets, 4-channel capable. RDIMM, ECC, DDR4, 2400MHz
Memory capacity	256GB
Graphics, GPU computing	Two PCIe 3.0 x16 slots for graphics and GPU computing adapters. Up to two NVIDIA Quadro M5000 SLI
Supporting Graphics and GPU computing	(see table below)
RAID controller	Supports one of the following: **RAID 0, 1, 5, 10** with onboard SATA controller in chipset, SATA 6Gb/s. **RAID 0, 1, 5, 10** with optional LSI RAID flex adapter, 12Gb/s SAS and SATA. **RAID 0, 1, 5, 6, 10** with optional LSI 9364-8i PCIe adapter, 1GB memory, 12Gb/s SAS and SATA
Drive Bays	Two external 5.25" flex bays for flex module, optical drives, or optional disk drives. Four 3.5" internal bays. Each 3.5" bay can support dual drives on selected models (see right).
Supporting storage	(see table below)
Flex connector	One flex connector, supports one of the following: • Up to one LSI RAID flex adapter for SATA/SAS RAID • Up to one Multi-I/O flex adapters for one 2.5" PCIe SSD • Up to one M.2 flex adapters for one M.2 PCIe SSD
Network interfaces	Integrated one Gigabit Ethernet (Intel i218LM), supports Wake-on-LAN. Optional discrete Ethernet is available
HD Audio	Realtek ALC662 codec
TPM	TCG 1.2-compliant
Power supply	One fixed 490 watts, autosensing, 90%, 80 PLUS Gold qualified. Or one fixed 650 watts, autosensing, 92%, 80 PLUS Platinum qualified

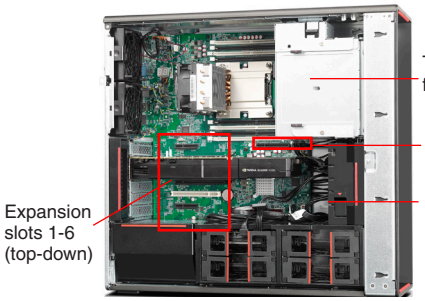
Adapter	Cores	Memory	Power	SLI	Connector***
NVS 310	48	1GB	19.5W		2xDP
NVS 315	48	1GB	19.5W		2xDVI-I SL/2xDP
NVS 510	192	2GB	35W		4xmini DP
NVS 810	1024	4GB	68W		8xmini DP
Quadro K420	192	2GB	41W		DVI-I DL+DP
Quadro K620	384	2GB	45W		DVI-I DL+DP
Quadro K1200	512	4GB	45W		4xmini DP
Quadro K2200	640	4GB	68W		DVI-I DL+2xDP
Quadro K4200	1344	4GB	108W		DVI-I DL+2xDP
Quadro K5200	2304	8GB	150W	SLI	DVI-I DL+DVI-D DL+2xDP
Quadro M2000	768	4GB	75W		4xDP
Quadro M4000	1664	8GB	120W		4xDP
Quadro M5000	2048	8GB	150W	SLI	DVI-I DL+4xDP
Quadro M6000	3072	24GB	250W		DVI-I DL+4xDP
Quadro P5000	2560	16GB	180W		DVI-D DL+4xDP
Quadro P6000	3840	24GB	250W		DVI-D DL+4xDP
Tesla K40	2880	12GB	235W		

3.5" HDD, 7.2K SATA6Gbs	500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid
2.5" HDD, 15K SAS12Gbs	300GB/600GB
2.5" SSD, SAS12Gbs	200GB/400GB/800GB
2.5" SAS HDD, 10K 12Gbs	300GB
2.5" SSD, SATA6Gbs	180GB/240GB/256GB/480GB with OPAL, 256GB/512GB/1TB without OPAL
PCIe SSD, U.2	400GB
PCIe SSD, M.2	256 GB/512GB/1TB
PCIe SSD, PCIe adapter	400GB

Components	Specification
Front ports	Four USB 3.0 (one Diagnostic, one Always On), one combo audio/microphone jack (3.5mm)
Rear ports	Four USB 2.0, four USB 3.0, one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2
Add-on ports	Supports the following optional ports: Two IEEE 1394 (one on rear and one on front flex module) via PCIe adpater, up to one adapter per system. Two rear USB 3.0 per PCIe adapter, up to three adapters per system. One rear Thunderbolt via PCIe adapter. One front eSATA (on flex module), or one rear eSATA via cable (also needs one PCIe slot), up to one eSATA port per system. One internal USB 3.0 port via cable, cannot be intermixed with 29-in-1 reader
Media reader	9-in-1 USB 2.0 or 29-in-1 USB 3.0 card reader
Mechanical	• 36-liter: 175mm/6.89" W x 470mm/18.5" D x 440mm/17.32" H (with feet) • Tool-less parts: all except CPU fansink • 48.94 lb (22.2kg) max configuration
Environmental specification	(see table below)
Base warranty	3-year limited onsite service with 9x5/NBD

Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
Temperature - non operating (no package)	14 °F to 140 °F (-10 °C to 60 °C)
Temperature - non operating (with package)	-40 °F to 140 °F (-40 °C to 60 °C)
Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
Humidity - operating	10%~80%, non-condensing
Humidity - storage (with package)	10%~90%, non-condensing

RoHS-compliant, GREENGUARD on all models. EPEAT Gold rating, ENERGY STAR 6.1 qualified on selected models.



Expansion slots

Slot 1: PCIe 3.0 x4, Half length, full height
Slot 2: PCIe 3.0 x16, Full length, full height
Slot 3: PCIe 2.0 x1, Full length, full height
Slot 4: PCIe 3.0 x16, Full length, full height
Slot 5: PCI, Full length, full height
Slot 6: PCIe 2.0 x4, Half length, full height

Drive Bays

HDD 1-4: Standard 3.5" HDD bay, up to four 3.5" or 2.5" disk drives.
On selected models, each 3.5" bay can supports 2.5" (9mm or less) drive plus 3.5"drive, or two 2.5" (15mm or less) drives.
Flex bay: Two 5.25" flex bays, for HH optical drives.
Or up to one optional flex module (Flex module supports one or more of the following options: 9.5mm optical/29-in-1 USB 3.0 reader/front IEEE 1394/front eSATA).
Or up to two HDD bays for two drives, 3.5" or 2.5" each, SATA only.

For the list of ISV certifications, please visit *www.thinkworkstations.com/isv-certifications*
For a list of all supported options, please visit
https://download.lenovo.com/pccbbs/options_iso/ocm_december_2016.xlsx sheet

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Max Drives in 3.5" Bays	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Keyboard / Mouse	Operating System	Warranty	Ann Date (mm/yy)
30B5000VUS	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B50019US	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5001GUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5001HUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5001JUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5001KUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5001LUS	US	Xeon E5-1607 v4 4C/3.1GHz/ 10MB/140W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5001MUS	US	Xeon E5-1607 v4 4C/3.1GHz/ 10MB/140W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5001NUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5001PUS	US	Xeon E5-1607 v4 4C/3.1GHz/ 10MB/140W/DDR4-2133	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5001QUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B50022US	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5002EUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5002TUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro K620 2GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5002UUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Max Drives in 3.5" Bays	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Keyboard / Mouse	Operating System	Warranty	Ann Date (mm/yy)
30B5002VUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5002WUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5002XUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5002YUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B50030US	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B50031US	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B50032US	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B50033US	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B50034US	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B50035US	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B50036US	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	NVIDIA Quadro M5000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	06/16
30B5003KUS	US	Xeon E5-1607 v4 4C/3.1GHz/ 10MB/140W/DDR4-2133	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5003NUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5003UUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5004YUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Max Drives in 3.5" Bays	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Keyboard / Mouse	Operating System	Warranty	Ann Date (mm/yy)
30B50050US	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B50051US	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B50052US	US	Xeon E5-1607 v4 4C/3.1GHz/ 10MB/140W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B50053US	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B50054US	US	Xeon E5-1607 v4 4C/3.1GHz/ 10MB/140W/DDR4-2133	NVIDIA Quadro K620 2GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B50055US	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B50056US	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B50057US	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B50058US	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B50059US	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5005AUS	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	NVIDIA Quadro M5000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5005BUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro K1200 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5005CUS	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5005DUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	Open	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5005EUS	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16

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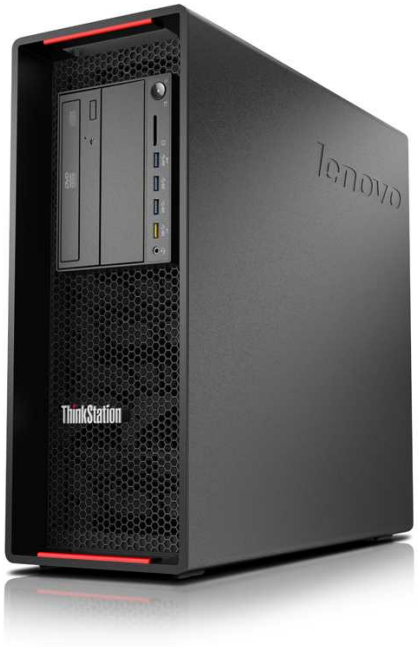
Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Max Drives in 3.5" Bays	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Keyboard / Mouse	Operating System	Warranty	Ann Date (mm/yy)
30B5005FUS	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5005GUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro K620 2GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	490W 90%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5005HUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	NVIDIA Quadro M2000 4GB	1x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B5005KUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	9364-8i PCIe	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B5005LUS	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B5005MUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B5005NUS	US	Xeon E5-1607 v4 4C/3.1GHz/ 10MB/140W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B5005PUS	US	Xeon E5-1607 v4 4C/3.1GHz/ 10MB/140W/DDR4-2133	NVIDIA Quadro P5000 16GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B5005QUS	US	Xeon E5-1650 v4 6C/3.6GHz/ 15MB/140W/DDR4-2400	NVIDIA Quadro P5000 16GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B5005RUS	US	Xeon E5-1630 v4 4C/3.7GHz/ 10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B5005SUS	US	Xeon E5-1620 v4 4C/3.5GHz/ 10MB/140W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16

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ThinkStation P700 Platform Specifications

Components	Specification
Chipset	Intel C612 Platform Controller Hub (PCH)
System mgmt	Intel Active Management Technology 9
Processor	Up to two 145W **Intel Xeon E5-2600 v3** family processors, Or up to one 140W **Intel Xeon E5-1600 v**3 family processor: E5-2699 v3 18C/2.3GHz/45MB/145W/DDR4-2133 E5-2698 v3 16C/2.3GHz/40MB/135W/DDR4-2133 E5-2697 v3 14C/2.6GHz/35MB/145W/DDR4-2133 E5-2695 v3 14C/2.3GHz/35MB/120W/DDR4-2133 E5-2690 v3 12C/2.6GHz/30MB/135W/DDR4-2133 E5-2685 v3 12C/2.6GHz/30MB/120W/DDR4-2133 E5-2683 v3 14C/2GHz/35MB/120W/DDR4-2133 E5-2680 v3 12C/2.5GHz/30MB/120W/DDR4-2133 E5-2670 v3 12C/2.3GHz/30MB/120W/DDR4-2133 E5-2667 v3 8C/3.2GHz/20MB/135W/DDR4-2133 E5-2660 v3 10C/2.6GHz/25MB/105W/DDR4-2133 E5-2650L v3 12C/1.8GHz/30MB/65W/DDR4-2133 E5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 E5-2643 v3 6C/3.4GHz/20MB/135W/DDR4-2133 E5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866 E5-2637 v3 4C/3.5GHz/15MB/135W/DDR4-2133 E5-2630L v3 8C/1.8GHz/20MB/55W/DDR4-1866 E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866 E5-2623 v3 4C/3GHz/10MB/105W/DDR4-1866 E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866 E5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600 E5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600 E5-1680 v3 8C/3.2GHz/20MB/140W/DDR4-2133 E5-1660 v3 8C/3GHz/20MB/140W/DDR4-2133 E5-1650 v3 6C/3.5GHz/15MB/140W/DDR4-2133 E5-1630 v3 4C/3.7GHz/10MB/140W/DDR4-2133 E5-1620 v3 4C/3.5GHz/10MB/140W/DDR4-2133 E5-1607 v3 4C/3.1GHz/10MB/140W/DDR4-1866 E5-1603 v3 4C/2.8GHz/10MB/140W/DDR4-1866
Coprocessor	None
Memory DIMM slots	12 DIMM sockets (6 DIMMs per processor), 8-channel capable (4-channel per processor). Supports RDIMM and LRDIMM (cannot be intermixed), ECC, DDR4-2133.
Memory capacity	768GB (LRDIMM)/384GB, 2nd CPU is needed
Graphics, GPU computing, coprocessors	Three PCIe 3.0 x16 slots, two via CPU1, one via CPU2 Up to 3 graphics, GPU computing adapters per system, 2nd CPU is needed PSU: Maximum quantity of PCIe x16 adapters per system (by power) 650W: 1x150W+2x75W (supports onboard SATA controller and up to 85W CPU) 850W: 1x225W+2x75W, or 2x150W+1x75W
Disk drive controller	**RAID 0, 1, 5, 10** with onboard SATA controller in chipset, SATA 6Gb/s. **RAID 0, 1, 5, 10** with optional LSI RAID flex adapter, 12Gb/s SAS and SATA. **RAID 0, 1, 5, 6, 10** with optional LSI 9364-8i PCIe adapter, 1GB memory, optional 1GB flash with super capacitor, 12Gb/s SAS and SATA
Drive Bays	Two external 5.25" bays, four internal 3.5" bays (see right)
Flex connector	One flex connectors (see right), supports one of the following: • Up to one LSI RAID flex adapter for SATA/SAS RAID • Up to one Multi-I/O flex adapters for two PCIe SSD • Up to one M.2 flex adapters for two M.2 SSD
Network interfaces	Integrated two Gigabit Ethernet ports, supports Wake-on-LAN. Optional discrete Ethernet is available
HD Audio	Realtek ALC662 codec
TPM	TCG 1.2-compliant
Power supply	One fixed 650 watts or 850 watts, autosensing, 92%, 80 PLUS Platinum qualified
Front ports	Four USB 3.0 (one Diagnostic, one Always On), one combo audio/microphone jack (3.5mm)
Rear ports	Fou USB 2.0, four USB 3.0 (blue), one serial (9-pin), two ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2
IEEE 1394	Up to one 6-pin port on rear, one 6-pin port on front, 1394a-2000, 400Mbps
Thunderbolt	1 Thunderbolt via optional PCIe adapter. Uses slot 6.
Mechanical	• 36-liter: 175mm/6.89" W x 470mm/18.5" D x 440mm/17.32" H (with feet) • Tool-less parts: power supply, disk drive, fans, adapter retention • 52.25 lb (23.7kg) max configuration
Base warranty	3-year limited onsite service with 9x5/NBD

Drive Bays and Expansion slots



2 x 5.25", for half-height optical, or up to one optional flex module (Flex module supports one or more of the following options: 9.5mm optical/29-in-1 USB 3.0 reader/front IEEE 1394/front eSATA),
or up to two optional front HDD bays



Slot 1: PCIe 3.0 x16, Half length, full height, by CPU2
Slot 2: PCIe 3.0 x16, Full length, full height, by CPU1
Slot 3: PCIe 3.0 x8, Full length, full height, by CPU2
Slot 4: PCIe 3.0 x16, Full length, full height, by CPU1
Slot 5: PCI, Full length, full height, by PCH
Slot 6: PCIe 2.0 x4, Half length, full height, by PCH

Note:
1. *When LSI RAID flex adapter or 9364-8i adapter is installed, each HDD bay (HDD 1 - 4) can support 2 disk drives (1 x 3.5" drives + 2.5" SATA/SAS SSD, or 2 x 2.5" SATA/SAS SSD).*
2. *More than 4 drives requires LSI RAID flex adapter or 9364-8i adapter.*

Supporting NVIDIA graphics and GPU computing list

Adapter	Cores	Memory	Power	SLI	Connector***
NVS 310	48	1GB	19.5W		2xDP
NVS 315	48	1024MB	19.5W		2xDVI-I SL/2xDP
NVS 510	192	2048MB	33.4W		4xmini DP
Quadro 410	192	512MB	36.7W		DVI-I DL+DP
Quadro K600	192	1GB	41W		DVI-I DL+DP
Quadro K2000	384	2GB	51.1W		DVI-I DL+2xDP
Quadro K2000D	384	2GB	51.1W		DVI-I DL+DVI-D DL+mini DP
Quadro K4000	768	3GB	80W		DVI-I DL+2xDP
Quadro K5000	1536	4GB	122W		DVI-I DL+DVI-D DL+2xDP
Quadro K6000	2880	12GB	225W		DVI-I DL+DVI-D DL+2xDP
Quadro K420	192	2GB	41W		DVI-I DL+DP
Quadro K620	384	2GB	45W		DVI-I DL+DP
Quadro K2200	640	4GB	68W		DVI-I DL+2xDP
Quadro K4200	1344	4GB	108W		DVI-I DL+2xDP
Quadro K5200	2304	8GB	150W	SLI	DVI-I DL+DVI-D DL+2xDP
Quadro M4000	1664	8GB	120W		4xDP
Quadro M5000	2048	8GB	150W		DVI-I DL+4xDP
Quadro M6000	3072	12GB	250W		DVI-I DL+4xDP
Tesla K20	2496	5GB	225W		
GRID K2	3072	8GB	225W		

*** DL = Dual link, SL = Single Link, DP = DisplayPort 1.2*

Supporting storage list

(SAS drive needs LSI RAID flex adapter or 9364-8i adapter)

3.5" SATA (7.2K 6Gbs HDD)	500GB/1TB/2TB/3TB/4TB/ 1TB hybrid/2TB hybrid
2.5" SAS (15K 12Gbs HDD)	300GB/450GB/600GB
2.5" SAS SSD (12Gbs)	200GB/400GB/800GB
2.5" SATA SSD (6Gbs)	128GB/180GB/240GB/ 256GB/480GB/ 512GB/1TB (Optional OPAL)
M.2 SSD	256 GB/512GB (Optional NVMe)
PCIe SSD adapter	410GB/1.6TB

Environment specification and certifications

Temperature	
Operating:	50 °F to 95 °F (10 °C to 35 °C)
Storage:	-10 °C to 60 °C, no package -40 °C to 60 °C, with package
Altitude	
Operating:	-50~10000ft (-15.2~3048m)
Humidity	
Operating:	10%~80%, non-condensing
Storage:	10%~90%, non-condensing

RoHS-compliant/EPEAT Gold rating on all model, ENERGY STAR 6.1 qualified on selected models.

For the latest list of ISV certifications, please visit *www.lenovo.com/support/ISV*
For a list of all supported options, please visit
https://download.lenovo.com/pccbbs/options_iso/ocm_april_2016.xlsx sheet

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Max Drives in 3.5" Bays	Storage	Optical	Media Reader	Power Supply	Add-on Ports	Keyboard / Mouse	Operating System	Warranty	Global	Ann Date (mm/yy)
30A9001CUS	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	Open	1x4GB RDIMM DDR4-2133 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	USB / USB Optical	Windows 8.1 Pro 64-bit	3-year	No	10/14
30A9001DUS	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	Open	2x4GB RDIMM DDR4-2133 ECC	Onboard	4	1x180GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	USB / USB Optical	Windows 8.1 Pro 64-bit	3-year	No	10/14
30A9001EUS	US	1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	Open	2x4GB RDIMM DDR4-2133 ECC	Onboard	4	1x256GB SSD M.2 PCIe	HH DVD±RW	9-in-1	850W 92%	None	USB / USB Optical	Windows 8.1 Pro 64-bit	3-year	No	10/14
30A9002EUS	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	Open	1x8GB RDIMM DDR4-2133 ECC	Onboard	4	1x1TB Hybrid HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	850W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	09/15
30A9002FUS	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	Open	1x8GB RDIMM DDR4-2133 ECC	Onboard	4	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	850W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	09/15
30A9002GUS	US	1xE5-2643 v3 6C/3.4GHz/20MB/135W/DDR4-2133	Open	1x8GB RDIMM DDR4-2133 ECC	Onboard	4	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	850W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	09/15
30A9002HUS	US	2xE5-2667 v3 8C/3.2GHz/20MB/135W/DDR4-2133	Open	2x8GB RDIMM DDR4-2133 ECC	Onboard	4	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	850W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	09/15
30A9002PUS	US	2xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	NVIDIA Quadro K2200 4GB	4x8GB RDIMM DDR4-2133 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	02/16
30A9002UUS	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	Open	1x4GB RDIMM DDR4-2133 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	03/16
30A9002VUS	US	1xE5-2637 v3 4C/3.5GHz/15MB/135W/DDR4-2133	Open	2x8GB RDIMM DDR4-2133 ECC	Onboard	4	1x256GB SSD M.2 PCIe Opal	HH DVD±RW	9-in-1	850W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	03/16
30A9002WUS	US	2xXeon E5-2650L v3 12C/1.8GHz/30MB/65W/DDR4-2133	Open	2x8GB RDIMM DDR4-2133 ECC	LSI Flex	8	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	850W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	03/16
30A9002XUS	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	Open	1x8GB RDIMM DDR4-2133 ECC	Onboard	4	1x180GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	03/16
30A9002YUS	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	NVIDIA Quadro K4200 4GB	1x8GB RDIMM DDR4-2133 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	850W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	03/16
30A90030US	US	1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	NVIDIA Quadro K4200 4GB	1x8GB RDIMM DDR4-2133 ECC	Onboard	4	1x2TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	850W 92%	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	No	03/16

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Max Drives in 3.5" Bays	Storage	Optical	Media Reader	Power Supply	Add-on Ports	Keyboard / Mouse	Operating System	Warranty	Global	Ann Date (mm/yy)
30A8000LUS	US	2xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	NVIDIA Quadro K2200 4GB	2x8GB RDIMM DDR4-2133 ECC	Onboard	4	2x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	850W 92%	None	USB / USB Optical	Windows 8.1 Pro 64-bit	3-year	No	10/14
30A8000MUS	US	2xE5-2623 v3 4C/3GHz/10MB/105W/DDR4-1866	NVIDIA Quadro K4200 4GB	2x8GB RDIMM DDR4-2133 ECC	Onboard	4	2x180GB SSD 2.5" SATA6Gbs	HH DVD±RW	None	850W 92%	None	USB / USB Optical	Windows 8.1 Pro 64-bit	3-year	No	10/14
30A8003AUS	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	Open	2x4GB RDIMM DDR4-2133 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	USB / USB Optical	Windows 8.1 Pro 64-bit	3-year	No	10/14
30A8003BUS	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	NVIDIA Quadro K620 2GB	2x4GB RDIMM DDR4-2133 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	USB / USB Optical	Windows 8.1 Pro 64-bit	3-year	No	10/14
30A8003CUS	US	1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	NVIDIA Quadro K2200 4GB	2x4GB RDIMM DDR4-2133 ECC	Onboard	4	1x180GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	650W 92%	None	USB / USB Optical	Windows 8.1 Pro 64-bit	3-year	No	10/14

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ThinkStation P710 Platform Specifications

Components	Specification
Chipset	Intel C612 Platform Controller Hub (PCH)
System mgmt	Intel Active Management Technology 9
Processor	Up to two 145W **Intel Xeon E5-2600 v4** family processors. Each processor supports up to 22 cores up to 2.2GHz, 16 cores up to 2.6GHz, 14 cores up to 2.6GHz, 12 cores up to 2.2GHz, 10 cores up to 2.4GHz, 8 cores up to 3.2GHz, 6 cores up to 3.4GHz, 4 cores up to 3.5GHz. Or up to two Intel Xeon E5-2620 v3 or E5-2609 v3 processors (not available in EMEA)
Coprocessor	None
Memory DIMM slots	12 DIMM sockets (6 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM, ECC, DDR4-2400
Memory capacity	384GB, 2nd CPU is needed
Graphics, GPU computing	Three PCIe 3.0 x16 slots, two via CPU1, one via CPU2. Up to three graphics and GPU computing adapters, 2nd CPU is needed

PSU	Maximum quantity of PCIe x16 adapters per system (by power)
650W	1x150W+2x75W with onboard SATA controller and up to two 120W CPU each
850W	1x300W+2x75W (up to two 120W CPU each), or 2x150W+1x75W

Supporting Graphics and GPU computing

Adapter	Cores	Memory	Power	SLI	Connector***
NVS 310	48	1GB	19.5W		2xDP
NVS 315	48	1GB	19.5W		2xDVI-I SL/2xDP
NVS 510	192	2GB	35W		4xmini DP
NVS 810	1024	4GB	68W		8xmini DP
Quadro K420	192	2GB	41W		DVI-I DL+DP
Quadro K620	384	2GB	45W		DVI-I DL+DP
Quadro K1200	512	4GB	45W		4xmini DP
Quadro K2200	640	4GB	68W		DVI-I DL+2xDP
Quadro K4200	1344	4GB	108W		DVI-I DL+2xDP
Quadro K5200	2304	8GB	150W	SLI	DVI-I DL+DVI-D DL+2xDP
Quadro M2000	768	4GB	75W		4xDP
Quadro M4000	1664	8GB	120W		4xDP
Quadro M5000	2048	8GB	150W	SLI	DVI-I DL+4xDP
Quadro M6000	3072	24GB	250W	SLI	DVI-I DL+4xDP
Quadro P5000	2560	16GB	180W		DVI-D DL+4xDP
Quadro P6000	3840	24GB	250W		DVI-D DL+4xDP
Tesla K40	2880	12GB	235W		

Disk drive controller	**RAID 0, 1, 5, 10** with onboard SATA controller in chipset, SATA 6Gb/s. **RAID 0, 1, 5, 10** with optional LSI RAID flex adapter, 12Gb/s SAS and SATA. **RAID 0, 1, 5, 6, 10** with optional LSI 9364-8i PCIe adapter, 1GB memory, 12Gb/s SAS and SATA
Drive Bays	Two external 5.25" flex bays, four 3.5" internal bays. Each 3.5" bay can support dual drives on selected models (see right)

Supporting storage

3.5" SATA HDD, 7.2K 6Gbs	500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid
2.5" SAS HDD, 15K 12Gbs	300GB/600GB
2.5" SAS SSD, 12Gbs	200GB/400GB/800GB
2.5" SAS HDD, 10K 12Gbs	300GB
2.5" SATA SSD, 6Gbs	180GB/240GB/256GB/480GB/512GB/1TB, optional OPAL
PCIe SSD, 2.5"	400GB
PCIe SSD, M.2	256 GB/512GB/1TB
PCIe SSD adapter	400GB (up to 4 per system)

Flex connector	One flex connectors (see right), supports one of the following: • Up to one LSI RAID flex adapter for SATA/SAS RAID • Up to one Multi-I/O flex adapters for two PCIe SSD • Up to one M.2 flex adapters for two M.2 PCIe SSD
Network interfaces	Integrated two-port gigabit ethernet (Intel i218LM and i210AT), supports Wake-on-LAN. Optional discrete ethernet adapters are available
HD Audio	Realtek ALC662 codec
TPM	TCG 1.2-compliant
Power supply	One fixed 650 watts or 850 watts, autosensing, 92%, 80 PLUS Platinum qualified

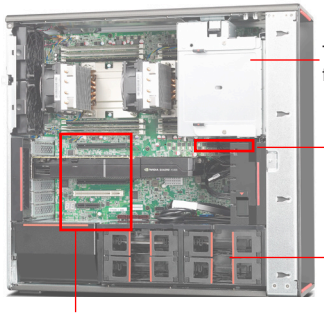
Components	Specification
Front ports	Four USB 3.0 (one Diagnostic, one Always On), one combo audio/microphone jack (3.5mm)
Rear ports	Four USB 2.0, four USB 3.0 (blue), one serial (9-pin), two ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2
Add-on ports	Supports the following optional ports: Two IEEE 1394 (one on rear and one on front flex module) via PCIe adpater, up to one adapter per system. Two rear USB 3.0 per PCIe adapter, up to three adapters per system. One rear Thunderbolt via PCIe adapter. One front eSATA (on flex module), or one rear eSATA via cable (also needs one PCIe slot), up to one eSATA port per system. One internal USB 3.0 port via cable, cannot be intermixed with 29-in-1 reader
Media reader	9-in-1 USB 2.0 card reader. Optional 29-in-1 USB 3.0 card reader on flex module
Mechanical	• 36-liter: 175mm/6.89" W x 485mm/19.1" D x 446mm/17.6" H (with feet) • Tool-less parts: all except CPU fansink • 52.25 lb (23.7kg) max configuration

Environmental specification

Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
Temperature - non operating (no package)	14 °F to 140 °F (-10 °C to 60 °C)
Temperature - non operating (with package)	-40 °F to 140 °F (-40 °C to 60 °C)
Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
Humidity - operating	10%~80%, non-condensing
Humidity - storage (with package)	10%~90%, non-condensing

RoHS-compliant, GREENGUARD on all models. EPEAT Gold rating, ENERGY STAR 6.1 qualified on selected models.

Base warranty	3-year limited onsite service with 9x5/NBD



Expansion slots
Slot 1: PCIe 3.0 x16, half length, full height, CPU2 needed (full length, full height if no flex adapter)
Slot 2: PCIe 3.0 x16, full length, full height
Slot 3: PCIe 3.0 x8, full length, full height, CPU2 needed
Slot 4: PCIe 3.0 x16, full length, full height
Slot 5: PCI, full length, full height
Slot 6: PCIe 2.0 x4, half length, full height
Also supports one flex connector

Drive Bays
HDD 1-4: Standard 3.5" HDD bay, up to four 3.5" or 2.5" disk drives.
On selected models, each 3.5" bay can supports 2.5" (9mm or less) drive plus 3.5"drive, or two 2.5" (15mm or less) drives.
Flex bay: Two 5.25" flex bays, for HH optical drives.
Or up to one optional flex module (Flex module supports one or more of the following options: 9.5mm optical/29-in-1 USB 3.0 reader/front IEEE 1394/front eSATA).
Or up to two HDD bays for two drives, 3.5" or 2.5" each, SATA only.

For the list of ISV certifications, please visit *www.thinkworkstations.com/isv-certifications/*
For a list of all supported options, please visit
https://download.lenovo.com/pccbbs/options_iso/ocm_december_2016.xlsx sheet

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Max Drives in 3.5" Bays	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete ethernet	Keyboard / Mouse	Operating System	Warranty	Ann Date (mm/yy)
30B7000RUS	US	2xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	04/16
30B7000SUS	US	1xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	04/16
30B7000TUS	US	2xXeon E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	04/16
30B7000UUS	US	2xXeon E5-2637 v4 4C/3.5GHz/15MB/135W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	04/16
30B7000VUS	US	1xXeon E5-2637 v4 4C/3.5GHz/15MB/135W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	04/16
30B7000WUS	US	2xXeon E5-2643 v4 6C/3.4GHz/20MB/135W/DDR4-2400	NVIDIA Quadro M4000 8GB	4x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	04/16
30B7000XUS	US	2xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	04/16
30B7000YUS	US	1xXeon E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	04/16
30B7001MUS	US	1xXeon E5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs+1x256GB SSD M.2 PCIe	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	07/16
30B7001NUS	US	2xXeon E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs+1x256GB SSD M.2 PCIe	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	07/16
30B7001PUS	US	2xXeon E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs+1x256GB SSD M.2 PCIe	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	07/16
30B70023US	US	2xXeon E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs+1x256GB SSD M.2 PCIe	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B70024US	US	1xXeon E5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	NVIDIA Quadro M4000 8GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs+1x256GB SSD M.2 PCIe	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B70025US	US	2xXeon E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs+1x256GB SSD M.2 PCIe	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B70029US	US	2xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	NVIDIA Quadro P5000 16GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	850W 92%	1xeSATA Rear	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Max Drives in 3.5" Bays	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete ethernet	Keyboard / Mouse	Operating System	Warranty	Ann Date (mm/yy)
30B7002AUS	US	1xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B7002BUS	US	1xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	NVIDIA Quadro P5000 16GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	850W 92%	1xeSATA Rear	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B7002CUS	US	1xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	650W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B7002DUS	US	2xXeon E5-2637 v4 4C/3.5GHz/15MB/135W/DDR4-2400	NVIDIA Quadro P5000 16GB	2x16GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	850W 92%	1xeSATA Rear	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B7002EUS	US	1xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	NVIDIA Quadro M2000 4GB	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x256GB SSD 2.5" SATA6Gbs Opal	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B7002FUS	US	2xXeon E5-2643 v4 6C/3.4GHz/20MB/135W/DDR4-2400	NVIDIA Quadro M4000 8GB	4x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	9-in-1	850W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B7002GUS	US	1xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	850W 92%	1xeSATA Rear	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16

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ThinkStation P910 Platform Specifications

Components	Specification
Chipset	Intel C612 Platform Controller Hub (PCH)
System mgmt	Intel Active Management Technology 9
Processor	Up to two 160W **Intel Xeon E5-2600 v4** family processors. Each processor supports up to 22 cores up to 2.2GHz, 16 cores up to 2.6GHz, 14 cores up to 2.6GHz, 12 cores up to 3GHz, 10 cores up to 2.4GHz, 8 cores up to 3.2GHz, 6 cores up to 3.4GHz, 4 cores up to 3.5GHz. Or up to two Intel Xeon E5-2620 v3 or E5-2609 v3 processors (not available in EMEA)
Coprocessor	Optional. Up to one Intel Xeon Phi Coprocessor 3120A, PCIe 2.0 x16 adapter, 57 cores, 1.1GHz, 28.5MB L2 cache, 6GB memory, 300W
Memory DIMM slots	16 DIMM sockets (8 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM or LRDIMM (cannot be intermixed), ECC, DDR4, 2400MHz
Memory capacity	896GB (LRDIMM, 14x64GB)/512GB (RDIMM, 16x32GB), 2nd CPU is needed
Graphics and GPU computing	Four PCIe 3.0 x16 slots for graphics and GPU computing cards, two slots per processor

Installed CPU	Maximum quantity of PCIe x16 adapters per system (by power)
1	1x300W+1x75W or 2x150W
2	2x300W+2x75W, or 1x300W+2x150W+1x75W, or 4x150W

Supporting Graphics and GPU computing

Adapter	Cores	Memory	Power	SLI	Connector***
NVS 310	48	1GB	19.5W		2xDP
NVS 315	48	1GB	19.5W		2xDVI-I SL/2xDP
NVS 510	192	2GB	35W		4xmini DP
NVS 810	1024	4GB	68W		8xmini DP
Quadro K420	192	2GB	41W		DVI-I DL+DP
Quadro K620	384	2GB	45W		DVI-I DL+DP
Quadro K1200	512	4GB	45W		4xmini DP
Quadro K2200	640	4GB	68W		DVI-I DL+2xDP
Quadro K4200	1344	4GB	108W		DVI-I DL+2xDP
Quadro K5200	2304	8GB	150W	SLI	DVI-I DL+DVI-D DL+2xDP
Quadro M2000	768	4GB	75W		4xDP
Quadro M4000	1664	8GB	120W		4xDP
Quadro M5000	2048	8GB	150W	SLI	DVI-I DL+4xDP
Quadro M6000	3072	24GB	250W	SLI	DVI-I DL+4xDP
Quadro P5000	2560	16GB	180W		DVI-D DL+4xDP
Quadro P6000	3840	24GB	250W		DVI-D DL+4xDP
Tesla K40	2880	12GB	235W		

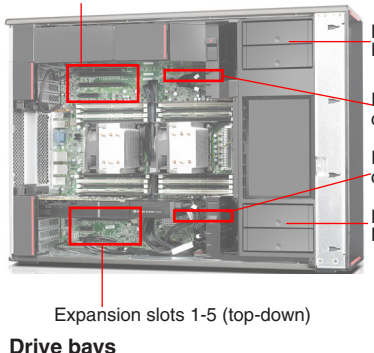
Disk drive controller	**RAID 0, 1, 5, 10** with onboard SATA controller in chipset, 6Gb/s SATA. **RAID 0, 1, 5, 10** with optional LSI RAID flex adapter, 12Gb/s SAS and SATA. **RAID 0, 1, 5, 6, 10** with optional LSI 9364-8i PCIe adapter, 1GB memory, 12Gb/s SAS and SATA
Drive Bays	Three external 5.25" bays, four internal 3.5" dual drives bays (see right)

Supporting storage

3.5" SATA HDD, 7.2K 6Gbs	500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid
2.5" SAS HDD, 15K 12Gbs	300GB/600GB
2.5" SAS HDD, 10K 12Gbs	300GB
2.5" SAS SSD, 12Gbs	200GB/400GB/800GB
2.5" SATA SSD, 6Gbs	180GB/240GB/256GB/480GB/512GB/1TB, optional OPAL
PCIe SSD, 2.5"	400GB
PCIe SSD, M.2	256 GB/512GB/1TB
PCIe SSD adapter	400GB

Flex connector	Two flex connectors (see right), one per processor. Supports one of the following: • Up to one LSI RAID flex adapter for SATA/SAS RAID. • Up to two Multi-I/O adapters for four PCIe SSD (two PCIe SSD per adapter). • Up to two M.2 flex adapters for four M.2 PCIe SSD (two M.2 PCIe SSD per adapter)
Network interfaces	Integrated two-port gigabit ethernet (Intel i218LM and i210AT), supports Wake-on-LAN. Optional discrete ethernet adapters are available
HD Audio	Realtek ALC662 codec
TPM	TCG 1.2-compliant
Power supply	One fixed 1300 watts, autosensing, 92% PSU, 80 PLUS Platinum qualified *Note: PSU will automatically operate in 1120W (restricted mode) if the system line input is 100-110V. For other supported system line input voltages, the PSU will operate at the full 1300W.*

Components	Specification
Front ports	Four USB 3.0 (one Diagnostic, one Always On), one combo audio/microphone jack (3.5mm)
Rear ports	Four USB 2.0, four USB 3.0 (blue), one serial (9-pin), two ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2
Add-on ports	Supports the following optional ports: Two IEEE 1394 (one on rear and one on front flex module) via PCIe adpater, up to one adapter per system. Two rear USB 3.0 per USB add-on PCIe adapter, up to 3 adapters per system. One rear Thunderbolt via PCIe adapter. One front eSATA (on flex module), or one rear eSATA via cable (also needs one PCIe slot), up to one eSATA port per system. One internal USB 3.0 port via cable, cannot be intermixed with 29-in-1 reader
Media reader	9-in-1 USB 2.0 card reader. Optional 29-in-1 USB 3.0 card reader on flex module
Mechanical	• 55-liter: 200mm/7.87" W x 620mm/24.4" D x 446mm/17.56" H (with feet) • Tool-less parts: all except CPU fansink • 71.3 lb (32.3kg) max configuration
Environmental specification	Temperature - operating: 50 °F to 95 °F (10 °C to 35 °C) Temperature - non operating (no package): 14 °F to 140 °F (-10 °C to 60 °C) Temperature - non operating (with package): -40 °F to 140 °F (-40 °C to 60 °C) Altitude - operating: (Unpressurized): 0-10000ft (0-3048m) Humidity - operating: 10%~80%, non-condensing Humidity - storage (with package): 10%~90%, non-condensing RoHS-compliant, GREENGUARD on all models. EPEAT Gold rating, ENERGY STAR 6.1 qualified on selected models.
Base warranty	3-year limited onsite service with 9x5/NBD



Expansion slots

Slot 1: PCIe 3.0 x16, full length, full height,
Slot 2: PCIe 2.0 x1, full length, full height
(half length if flex connector 1 is used)
Slot 3: PCIe 3.0 x16, full length, full height
Slot 4: PCIe 2.0 x1, full length, full height
Slot 5: PCIe 2.0 x4, Half length, full height
Slot 6: PCIe 3.0 x16, full length, full height, CPU2 needed
(half length if flex connector 2 is used)
Slot 7: PCIe 3.0 x16, full length, full height, CPU2 needed
(half length if flex connector 2 is used)
Slot 8: PCIe 2.0 x4, full length, full height, CPU2 needed

Also supports up to two flex connectors. Flex connector 2 needs 2nd CPU

Drive bays

HDD 1-4: Standard 3.5" HDD bay, up to four 3.5" or 2.5" disk drives. Each 3.5" bay supports 2.5" (9mm or less) drive plus 3.5" drive, or two 2.5" (15mm or less) drives. More than 4 drives requires LSI RAID flex adapter or 9364-8i adapter,

Flex bay: Three 5.25" flex bays, for HH optical drives. Or up to one optional flex module (Flex module supports one or more of the following options: 9.5mm optical/29-in-1 USB 3.0 reader/front IEEE 1394/front eSATA). Or up to two HDD bays for two drives, 3.5" or 2.5" each, SATA only.

For the list of ISV certifications, please visit *www.thinkworkstations.com/isv-certifications/*
For a list of all supported options, please visit *https://download.lenovo.com/pccbbs/options_iso/ocm_december_2016.xlsx sheet*

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Model	Region	Processor	Graphics	Memory (Capacity/Type)	RAID Controller	Max Drives in 3.5" Bays	Storage (Capacity/Type/Interface)	Optical	Media Reader	Power Supply	Add-on Ports	Discrete Ethernet	Keyboard / Mouse	Operating System	Warranty	Ann Date (mm/yy)
30B9000EUS	US	1xXeon E5-2643 v4 6C/3.4GHz/20MB/135W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / None	Windows 10 Pro 64	3-year	04/16
30B9000FUS	US	2xXeon E5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	NVIDIA Quadro M5000 8GB	4x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / None	Windows 10 Pro 64	3-year	04/16
30B9000GUS	US	2xXeon E5-2643 v4 6C/3.4GHz/20MB/135W/DDR4-2400	Open	4x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / None	Windows 10 Pro 64	3-year	04/16
30B9000HUS	US	1xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / None	Windows 10 Pro 64	3-year	04/16
30B9001NUS	US	2xXeon E5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	NVIDIA Quadro M4000 8GB	4x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs+1x512GB SSD M.2 PCIe	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	07/16
30B9001PUS	US	2xXeon E5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	Open	4x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs+1x512GB SSD M.2 PCIe	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / USB Optical	Windows 10 Pro 64	3-year	07/16
30B9001UUS	US	2xXeon E5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	NVIDIA Quadro M4000 8GB	4x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs+1x512GB SSD M.2 PCIe	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B9001VUS	US	2xXeon E5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	Open	4x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB HDD 7.2K 3.5" SATA6Gbs+1x512GB SSD M.2 PCIe	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B9001WUS	US	1xXeon E5-2643 v4 6C/3.4GHz/20MB/135W/DDR4-2400	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / None	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B9001XUS	US	2xXeon E5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	NVIDIA Quadro M5000 8GB	4x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / None	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B9001YUS	US	2xXeon E5-2643 v4 6C/3.4GHz/20MB/135W/DDR4-2400	Open	4x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / None	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B90020US	US	1xXeon E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133	Open	2x8GB RDIMM DDR4-2400 ECC	Onboard	4	1x512GB SSD 2.5" SATA6Gbs	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / None	Windows 10 DG Windows 7 Pro 64	3-year	09/16
30B9002DUS	US	2xXeon E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	Open	2x16GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B9002EUS	US	2xXeon E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	NVIDIA Quadro P5000 16GB	2x16GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16
30B9002FUS	US	2xXeon E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	NVIDIA Quadro P6000 24GB	2x16GB RDIMM DDR4-2400 ECC	Onboard	4	1x1TB SSD M.2 PCIe NVMe Opal	HH DVD±RW	9-in-1	1300W 92%	None	None	USB / USB Optical	Windows 10 DG Windows 7 Pro 64	3-year	12/16

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Support Dept., EMEA Services, Lenovo, Eisteinova 21, 851 01 Bratislava, Slovakia. Lenovo makes no representation or warranty regarding third party products or services.

[1] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[2] **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less.

[3] **Systems with limited onsite service** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Support phone list available at www-307.ibm.com/pc/support/site.wss/document.do?lndocid=MIGR-70552

[4] **SATA/SAS:** The system configuration supports the installation of SATA, SAS, or mixing of SATA and SAS. But mixing of SATA and SAS disks into one RAID array will not be supported.

[5] **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.

[6] **Multi-Burner Plus** is a DVD±RW device that reads and writes to DVD-RAM, DVD-R, DVD-RW, DVD+R, and DVD+RW. It also reads and writes to CD-R and CD-RW media. Super Multi-Burner DL also writes to DVD+R double layer media.

[7] **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. See Lenovo Warranty Services terms and conditions for complete details and restrictions. .

[8] **RAID:** Supported RAID levels for a system will vary from the stated capabilities of the RAID controller due to dependencies on the number and capacity of physical disks in the system and on customer requirements for performance, fault tolerance, or data redundancy.
RAID levels and requirements:

- *RAID 0 (striping)* provides increased performance by writing data across multiple drives.
- *RAID 1 (mirroring)* provides fault tolerance by writing the data on two drives.
- *RAID 5 (striping with parity)* uses distributed parity data to provide fault tolerance more efficiently than RAID 1. Requires three or more drives.
- *RAID 10 (or RAID 1+0)* combines RAID 1 and RAID 0 to create a stripe of mirrors that is fault tolerant while offering increased performance. Requires four drives.

[9] **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[14] **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

[20] **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

ThinkStation

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Lenovo
1009 Think Place
Morrisville, NC 27560
U.S.A.

Lenovo ThinkServer

PSREF

Product Specifications Reference

Version 497, November 2016

U.S.

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Summary of Changes

This section describes the changes made in this version of ThinkServer PSREF and in previous version
This edition might also include minor corrections and editorial changes which are not identified

November 2, 2016 - Version 497

Additions in this update

- ►New ThinkServer TS140 product announced October 2016

October 12, 2016 - Version 496

Additions in this update

- ►New ThinkServer RS160 product announced September 2016
- ►New ThinkServer TS150 models announced August and October 2016

September 14, 2016 - Version 495

Additions in this update

- ►New ThinkServer RS160 product announced September 2016
- ►New ThinkServer TS140 models announced September 2016

April 6, 2016 - Version 487

Additions in this update

- ►New ThinkServer TD350, RD350, and RD450 models announced April 2016
- ►Add Intel Xeon E5-2600 v4 processors

March 23, 2016 - Version 486

Additions in this update

- ►New ThinkServer TS140 models announced March 2016

February 24, 2016 - Version 485

Additions in this update

- ►Add 8TB SATA and SAS 72K 6Gbs hard drive on ThinkServer RD350/RD450/RD550/RD650/TD350

December 30, 2015 - Version 483

Additions in this update

- ►Updates ThinkServer RS140, TD340 specifications
- ►Updates the most recent ThinkServer RS140, TD340 models

December 9, 2015 - Version 482

Additions in this update

- ►Updates ThinkServer TS140, TS440 specifications
- ►Updates the most recent ThinkServer TS140, TS440, RD350, RD450, RD550, RD650 models

October 28, 2015 - Version 480

Additions in this update

- ► New ThinkServer TS140 models announced October 2015

July 30, 2015 - Version 476

Additions in this update

- ► New ThinkServer TD350, RD550, and RD650 models announced July 2015

May 6, 2015 - Version 473

Additions in this update

- ► Add 95mm optical support on TD350
- ► Add Red Hat Enterprise Linux 7 support on RD350/RD450/RD550/RD650/TD350
- ► Add 32 x 25” bay support on TD350
- ► Add AnyBay and 25” PCIe SSD support on RD550/RD650

April 15, 2015 - Version 471

Additions in this update

- ► New ThinkServer TD350 models announced March 2015

March 25, 2015 - Version 470

Additions in this update

- ► New ThinkServer TS140 and TS440 models announced March 2015













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ThinkServer RD350 Platform Specifications

Components	Specification
Dimensions	1U rack. Height: 43 mm (1.7 in), width: 482 mm (19 in), depth: 781.5 mm (30.77 in)
Weight	Minimum configuration: 13 kg (28.66 lb), maximum: 19.1 kg (42.11 lb)
Processor	Up to two **105W Intel Xeon E5-2600 v4 or E5-2600 v3** family processors.

E5-2660 v4	14C/2GHz/35MB/105W/DDR4-2400
E5-2650 v4	12C/2.2GHz/30MB/105W/DDR4-2400
E5-2640 v4	10C/2.4GHz/25MB/90W/DDR4-2133
E5-2630 v4	10C/2.2GHz/20MB/85W/DDR4-2133
E5-2623 v4	4C/2.6GHz/10MB/85W/DDR4-2133
E5-2620 v4	8C/2.1GHz/20MB/85W/DDR4-2133
E5-2609 v4	8C/1.7GHz/20MB/85W/DDR4-1866
E5-2603 v4	6C/1.7GHz/15MB/85W/DDR4-1866
E5-2650L v4	14C/1.7GHz/35MB/65W/DDR4-2400
E5-2630L v4	10C/1.8GHz/25MB/55W/DDR4-2133
E5-2660 v3	10C/2.6GHz/25MB/105W/DDR4-2133
E5-2650 v3	10C/2.3GHz/25MB/105W/DDR4-2133
E5-2640 v3	8C/2.6GHz/20MB/90W/DDR4-1866
E5-2630 v3	8C/2.4GHz/20MB/85W/DDR4-1866
E5-2623 v3	4C/3GHz/10MB/105W/DDR4-1866
E5-2620 v3	6C/2.4GHz/15MB/85W/DDR4-1866
E5-2609 v3	6C/1.9GHz/15MB/85W/DDR4-1600
E5-2603 v3	6C/1.6GHz/15MB/85W/DDR4-1600
E5-2650L v3	12C/1.8GHz/30MB/65W/DDR4-2133
E5-2630L v3	8C/1.8GHz/20MB/55W/DDR4-1866

Chipset	Intel C612 Platform Controller Hub (PCH)
Memory DIMMs	16 DIMM sockets. 4 channels per processor, 2 DIMMs per channel. **RDIMM** or **LRDIMM** (cannot be intermixed), DDR4-2133 or DDR4-2400
Memory capacity	512GB (RDIMM, 32GB x 16)/1024GB (LRDIMM, 64GB x 16), 2nd CPU is needed
Memory protection	ECC, memory mirroring, lockstep, and memory sparing

RAID controller

RAID controller	Drive type	RAID support	Compatible models
Onboard RAID110i	6Gbs SATA	0/1/10, 5 with optional key	4x3.5" HS/ES, 8x2.5" HS
RAID500 PCIe	6Gbs SAS/SATA	0/1/10, 5/50 with optional key	4x3.5" HS, 8x2.5" HS
RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5/50 with optional key	4x3.5" HS/ES, 8x2.5" HS
RAID710 PCIe (1GB memory)	6Gbs SAS/SATA	0/1/10/5/50/6/60	4x3.5" HS, 8x2.5" HS
RAID720i PCIe	12Gbs SAS/SATA	0/1/10/5/50, 6/60 with optional cache	4x3.5" HS/ES, 8x2.5" HS

Optional cache for RAID 710: CacheVault flash cache with super capacitor, Cache-Cade Pro, or FastPath.
Optional cache for RAID 720/AnyRAID 720i and 720ix: 1GB read-only memory or 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath. 720ix must have cache.
Note: RAID 50 and 60 are available on 8 x 2.5" models only.

Disk drive bays	Up to 4x3.5" hot-swap, 4x3.5" easy-swap, or 8x2.5" hot-swap disk bays on front. Supports external RDX tape drive via USB.
Maximum internal storage	3.5" model: up to 32TB with 7.2K SATA or SAS HDD, up to 7.2TB with 10K SAS HDD, up to 2.4TB with 15K SAS HDD, or up to 6.4TB with SATA SSD. 3.5" ES model: up to 12TB with 7.2K SATA, up to 24TB with 7.2K SAS. 2.5" model: up to 16TB with 7.2K SATA HDD, up to 14.4TB with 10K SAS HDD, up to 4.8TB with 15K SAS HDD, or up to 12.8TB with SATA or SAS SSD
SD module	Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each
Optical drive	Optional one 9.5mm optical, DVD-ROM or DVD±RW.
Network interfaces	One dedicated management port, two Gigabit Ethernet ports (RJ-45). Supports optional discrete network adapters via PCIe slots
Security features	Power-on and administrator password. Optional TPM (TCG 1.2-compliant)
Systems management	Supports ThinkServer System Manager (TSM), optional TSM Premium. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, Power Planner

Components	Specification
Operating systems supported	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0
Base warranty	1 or 3-year limited onsite service with 9x5/NBD
Power supply	Up to two redundant hot-swap 450W/550W/750W power supplies. 450 W is 80 PLUS Gold qualified. 550W is 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified. 750W Titanium is 200V - 240V, others are 110V - 240V.

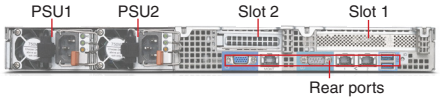
Disk bay configuration	PSU requirements		
	450W	550W	750W
4x3.5"	•	•	•
8x2.5"	•	•	•

Graphics	Onboard Aspeed AST2400 with 16MB memory, one DisplayPort on front, one VGA on rear.
Front ports	Two USB 2.0. One DisplayPort (one VGA on E5-2600 v4 models instead)
Rear ports	One VGA, two USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin)
Cooling	6 (5+1, dual processors) or 4 (3+1, single processor) fans, non-hot swap
Noise emissions	Operating: < 6.5 Bels. Idle: < 5.4 Bels (Maximum configuration)

Environmental specification

Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
Temperature - non operating (no package)	-10 °C to 60 °C
Temperature - non operating (with package)	-40 °C to 70 °C
Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
Humidity - operating	8%~90%, non-condensing
Humidity - storage (with package)	8%~90%, non-condensing

Expansion slots



Up to two PCIe 3.0 x 16 slots:

Slot 1	PCIe 3.0 x16, half length, full height, by CPU1
Slot 2 for dual processors model	PCIe 3.0 x16, low-profile, half length, requires 2nd riser card and 2nd CPU
Slot 2 for single processor model	PCIe 3.0 x16 (x8 electrical), low-profile, half length, by CPU1, requires 2nd riser card

For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70D6001YUX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28848	1x4GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	Open	None	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D60020UX	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28847	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D60021UX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28846	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D60022UX	US	2xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	-	2x8GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL+1xLP (2x16)	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D60023UX	US	1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28843	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D60024UX	US	1xE5-2660 v3 10C/2.6GHz/25MB/105W/DDR4-2133	4XG0F28842	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D60025UX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28848	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D60026UX	US	1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28845	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D60035UX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28846	2x8GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	2x1TB HDD 7.2K 3.5" SATA6Gbs	1xFHHL	9.5mm DVD±RW	None	TPM	TSM Premium	None	3-year	750Wx2 Platinum	02/15
70D6003DUX	US	2xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	-	2x16GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL+1xLP (2x16)	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx2 Platinum	09/15
70D6003PUX	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28847	4x16GB RDIMM DDR4-2133 ECC	RAID 110i	4x3.5" HS	4x1TB HDD 7.2K 3.5" SATA6Gbs	None	None	None	TPM	TSM Premium	None	3-year	550Wx2 Platinum	11/15

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70D8001TUX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28848	1x4GB RDIMM DDR4-2133 ECC	RAID 110i	8x2.5" HS	Open	None	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D8001UUX	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28847	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D8001VUX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28846	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D8001WUX	US	1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28844	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D8001XUX	US	1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28843	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D8001YUX	US	1xE5-2660 v3 10C/2.6GHz/25MB/105W/DDR4-2133	4XG0F28842	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D80020UX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28848	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70D80021UX	US	1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28845	1x8GB RDIMM DDR4-2133 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70QK000VUX	US	1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866	4XG0G89089	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QK000WUX	US	1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866	4XG0G89084	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QK000XUX	US	1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	4XG0G89079	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QK000YUX	US	1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133	4XG0G89074	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QK0010UX	US	1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133	4XG0G89069	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QK0011UX	US	1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	4XG0G89064	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QK0012UX	US	1xE5-2660 v4 14C/2GHz/35MB/105W/DDR4-2400	4XG0G89059	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QK0013UX	US	1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866	4XG0G89084	4x16GB RDIMM DDR4-2400 ECC	RAID 110i	4x3.5" HS	4x1TB HDD 7.2K 3.5" SATA6Gbs	1xFHHL	None	None	TPM	TSM Premium	None	3-year	750Wx2 Platinum	04/16
70QK0014UX	US	2xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	-	2x16GB RDIMM DDR4-2400 ECC	RAID 110i	4x3.5" HS	Open	1xFHHL+1xLP (2x16)	None	None	TPM	TSM Premium	None	3-year	750Wx2 Platinum	04/16

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70QM0010UX	US	1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866	4XG0G89089	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QM0011UX	US	1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866	4XG0G89084	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QM0012UX	US	1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	4XG0G89079	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QM0013UX	US	1xE5-2630L v4 10C/1.8GHz/25MB/55W/DDR4-2133	4XG0G89104	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QM0014UX	US	1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133	4XG0G89074	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QM0015UX	US	1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133	4XG0G89069	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QM0016UX	US	1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	4XG0G89064	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16
70QM0017UX	US	1xE5-2660 v4 14C/2GHz/35MB/105W/DDR4-2400	4XG0G89059	1x16GB RDIMM DDR4-2400 ECC	RAID 110i	8x2.5" HS	Open	1xFHHL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	04/16

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ThinkServer RD450 Platform Specifications

Components	Specification
Dimensions	2U rack. Height: 87 mm (3.4 in), width: 482 mm (19 in), depth: 764 mm (30 in)
Weight	Minimum configuration: 16 kg (35.3 lb), maximum: 27 kg (59.52 lb)
Processor	Up to two **105W Intel Xeon E5-2600 v4 or E5-2600 v3** family processors.

E5-2660 v4	14C/2GHz/35MB/105W/DDR4-2400
E5-2650 v4	12C/2.2GHz/30MB/105W/DDR4-2400
E5-2640 v4	10C/2.4GHz/25MB/90W/DDR4-2133
E5-2630 v4	10C/2.2GHz/20MB/85W/DDR4-2133
E5-2623 v4	4C/2.6GHz/10MB/85W/DDR4-2133
E5-2620 v4	8C/2.1GHz/20MB/85W/DDR4-2133
E5-2609 v4	8C/1.7GHz/20MB/85W/DDR4-1866
E5-2603 v4	6C/1.7GHz/15MB/85W/DDR4-1866
E5-2650L v4	14C/1.7GHz/35MB/65W/DDR4-2400
E5-2630L v4	10C/1.8GHz/25MB/55W/DDR4-2133
E5-2660 v3	10C/2.6GHz/25MB/105W/DDR4-2133
E5-2650 v3	10C/2.3GHz/25MB/105W/DDR4-2133
E5-2640 v3	8C/2.6GHz/20MB/90W/DDR4-1866
E5-2630 v3	8C/2.4GHz/20MB/85W/DDR4-1866
E5-2623 v3	4C/3GHz/10MB/105W/DDR4-1866
E5-2620 v3	6C/2.4GHz/15MB/85W/DDR4-1866
E5-2609 v3	6C/1.9GHz/15MB/85W/DDR4-1600
E5-2603 v3	6C/1.6GHz/15MB/85W/DDR4-1600
E5-2650L v3	12C/1.8GHz/30MB/65W/DDR4-2133
E5-2630L v3	8C/1.8GHz/20MB/55W/DDR4-1866

Chipset	Intel C612 Platform Controller Hub (PCH)
Memory DIMMs	16 DIMM sockets with 8 channels. 4 channels per processor, 2 DIMMs per channel. **RDIMM** or **LRDIMM** (cannot be intermixed), DDR4, DDR4-2133 or DDR4-2400
Memory capacity	512GB (RDIMM, 32GB x 16)/1024GB (LRDIMM, 64GB x 16), 2nd CPU is needed
Memory protection	ECC, memory mirroring, lockstep, and memory sparing

RAID controller

RAID controller	Drive type	RAID support	Compatible models
Onboard RAID110i	6Gbs SATA	0/1/10, 5 with optional key	8x3.5" HS/ES, 8x2.5" HS
RAID500 PCIe	6Gbs SAS/SATA	0/1/10, 5/50 with optional key	8x3.5" HS
RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5/50 with optional key	8x3.5" HS/ES, 8x2.5" HS
RAID710 PCIe (1GB memory)	6Gbs SAS/SATA	0/1/10/5/50/6/60	8x3.5" HS
RAID720i PCIe	12Gbs SAS/SATA	0/1/10/5/50, 6/60 with optional cache	8x3.5" HS/ES, 8x2.5" HS
AnyRAID 110i	6Gbs SATA	0/1/10, 5 with optional key	8x2.5" HS
AnyRAID 510i	6Gbs SAS/SATA	0/1/10, 5/50 with optional key	8x2.5" HS
AnyRAID 720i	12Gbs SAS/SATA	0/1/10/5/50, 6/60 with optional cache	8x2.5" HS
AnyRAID 720ix	12Gbs SAS/SATA	0/1/10/5/50/6/60	16/24x2.5" HS, 8x2.5" HS+optional tape

Optional cache for RAID 710: CacheVault flash cache with super capacitor, Cache-Cade Pro, or FastPath.
Optional cache for RAID 720/AnyRAID 720i and 720ix: 1GB read-only memory or 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath. 720ix must have cache.

Disk drive bays	Up to 8x3.5" hot-swap, 8x3.5" easy-swap, or 24x2.5" hot-swap disk bays on front. Up to one internal LTO-6 SAS tape drive on 8x2.5" and 720ix model, or external RDX tape drive via USB.
Maximum internal storage	3.5" HS model: up to 64TB with 7.2K SATA or SAS HDD, up to 14.4TB with 10K SAS HDD, up to 4.8TB with 15K SAS HDD, or up to 12.8TB with SATA SSD. 3.5" ES model: up to 24TB with 7.2K SATA, up to 48TB with 7.2K SAS. 2.5" HS model: up to 48TB with 7.2K SATA HDD, up to 43.2TB with 10K SAS HDD, up to 14.4TB with 15K SAS HDD, or up to 38.4TB with SATA or SAS SSD
SD module	Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each
PCIe SSD adapter	Supports 1.6TB or 3.2TB SSD via PCIe adapter
Optical drive	Optional one 9.5mm optical on 3.5" or 8/16 x 2.5" models, DVD-ROM or DVD±RW.

Components	Specification
Network interfaces	One dedicated management port, two Gigabit Ethernet ports. Supports optional discrete network adapters via PCIe slots
Security features	Power-on and administrator password. Optional TPM (TCG 1.2-compliant)
Systems management	Supports ThinkServer System Manager (TSM), optional TSM Premium. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, Power Planner
Operating systems supported	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0
Base warranty	1 or 3-year limited onsite service with 9x5/NBD
Power supply	Up to two redundant hot-swap 450W/550W/750W/1100W power supplies. 450 W is 80 PLUS Gold qualified. 550W and 1100W are 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified. 750W Titanium is 200V - 240V, others are 110V - 240V.

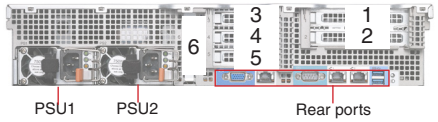
Disk bay configuration	PSU requirements			
	450W	550W	750W	1100W
8x3.5"	•	•	•	•
8x2.5"	•	•	•	•
8x2.5"+ Tape	•	•	•	•
16x2.5"		•	•	•
24x2.5"		•	•	•

Graphics	Onboard Aspeed AST2400 with 16MB memory
Front ports	Two USB 2.0. One DisplayPort (one VGA on E5-2600 v4 models instead)
Rear ports	One VGA, two USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin)
Cooling	4 (3+1, dual processors) or 3 (2+1, single processor) fans, non-hot swap
Noise emissions	Operating: < 6.5 Bels. Idle: < 5.6 Bels (Maximum configuration)

Environmental specification

Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
Temperature - non operating (no package)	-10 °C to 60 °C
Temperature - non operating (with package)	-40 °C to 70 °C
Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
Humidity - operating	8%~90%, non-condensing
Humidity - storage (with package)	8%~90%, non-condensing

Expansion slots



Slot 1 (riser card 1)	PCIe 3.0 x8, half length, full height, CPU1
Slot 2 (riser card 1)	PCIe 3.0 x8, half length, full height, CPU1
Slot 3 (riser card 2)	PCIe 3.0 x8, low-profile, half length, CPU2, requires 2nd riser card and 2nd CPU
Slot 4 (riser card 2)	PCIe 3.0 x8, low-profile, half length, CPU2, requires 2nd riser card and 2nd CPU
Slot 5 (riser card 2)	PCIe 3.0 x8, low-profile, half length, CPU1, requires 2nd riser card
Slot 6 (onboard)	PCIe 3.0 x16 (x8 elec), low-profile, half length, requires 2nd CPU

For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70DA000XUX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28860	1x4GB RDIMM DDR4-2133 ECC	110i (AnyRAID)	8x2.5" HS	Open	None	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DA000YUX	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28859	1x8GB RDIMM DDR4-2133 ECC	110i (AnyRAID)	8x2.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DA0010UX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28858	1x8GB RDIMM DDR4-2133 ECC	110i (AnyRAID)	8x2.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DA0011UX	US	1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28857	1x8GB RDIMM DDR4-2133 ECC	110i (AnyRAID)	8x2.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DA0012UX	US	1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28856	1x8GB RDIMM DDR4-2133 ECC	110i (AnyRAID)	8x2.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DA0013UX	US	1xE5-2660 v3 10C/2.6GHz/25MB/105W/DDR4-2133	4XG0F28854	1x8GB RDIMM DDR4-2133 ECC	110i (AnyRAID)	8x2.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DA0014UX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28860	1x8GB RDIMM DDR4-2133 ECC	110i (AnyRAID)	8x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70DC001CUX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28860	1x4GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	Open	None	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DC001DUX	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28859	1x8GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DC001EUX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28858	1x8GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DC001FUX	US	1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28857	1x8GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DC001GUX	US	1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28856	1x8GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DC001HUX	US	1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28855	1x8GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DC001JUX	US	1xE5-2660 v3 10C/2.6GHz/25MB/105W/DDR4-2133	4XG0F28854	1x8GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DC001KUX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28860	1x8GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	Open	2xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	550Wx1 Platinum	12/14
70DC002EUX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28858	2x8GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	2x1TB HDD 7.2K 3.5" SATA6Gbs	2xFH HL	9.5mm DVD±RW	None	TPM	TSM Premium	None	3-year	750Wx2 Platinum	02/15
70DC002GUX	US	2xE5-2620 v3 6C/2.4GHz/15MB/85W/1866MH	-	2x16GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	Open	2xFH HL+4xLP HL	9.5mm DVD±RW	None	TPM	TSM Premium	None	3-year	750Wx2 Platinum	09/15
70DC002UUX	US	1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28857	4x16GB RDIMM DDR4-2133 ECC	Onboard 110i (PCIe)	8x3.5" HS	4x1TB HDD 7.2K 3.5" SATA6Gbs	None	None	None	TPM	TSM Premium	None	3-year	550Wx2 Platinum	11/15

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70DE000BUX	US	1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28855	1x16GB RDIMM DDR4-2133 ECC	720ix+1GB RAM (AnyRAID)	24x2.5" HS	Open	2xFH HL	None	None	TPM	TSM Premium	None	3-year	750Wx1 Platinum	12/14
70DE000CUX	US	2xE5-2620 v3 6C/2.4GHz/15MB/85W/1866MH	-	8x16GB RDIMM DDR4-2133 ECC	720ix+1GB RAM (AnyRAID)	24x2.5" HS	8x300GB HDD 10K 2.5" SAS6Gbs	2xFH HL+4xLP HL	None	None	TPM	TSM Premium	None	3-year	750Wx2 Platinum	12/14
70DE000HUX	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28859	1x4GB RDIMM DDR4-2133 ECC	720ix+1GB RAM (AnyRAID)	24x2.5" HS	Open	None	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	12/14
70DE000JUX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28858	1x8GB RDIMM DDR4-2133 ECC	720ix+1GB RAM (AnyRAID)	24x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	12/14
70DE000KUX	US	1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28856	1x8GB RDIMM DDR4-2133 ECC	720ix+1GB RAM (AnyRAID)	24x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	12/14

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70DV0008UX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28860	1x4GB RDIMM DDR4-2133 ECC	720ix+1GB RAM (AnyRAID)	16x2.5" HS	Open	None	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	12/14
70DV0009UX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28858	1x8GB RDIMM DDR4-2133 ECC	720ix+1GB RAM (AnyRAID)	16x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	12/14
70DV000AUX	US	1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28856	1x8GB RDIMM DDR4-2133 ECC	720ix+1GB RAM (AnyRAID)	16x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	12/14

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70Q9001DUX	US	1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866	4XG0G89090	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70Q9001EUX	US	1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866	4XG0G89085	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70Q9001FUX	US	1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	4XG0G89080	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70Q9001GUX	US	1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133	4XG0G89075	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70Q9001HUX	US	1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133	4XG0G89070	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70Q9001JUX	US	1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	4XG0G89065	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70Q9001KUX	US	1xE5-2660 v4 14C/2GHz/35MB/105W/DDR4-2400	4XG0G89060	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70QQ0013UX	US	1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866	4XG0G89090	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x3.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QQ0014UX	US	1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866	4XG0G89085	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x3.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QQ0015UX	US	1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	4XG0G89080	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x3.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QQ0016UX	US	1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133	4XG0G89075	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x3.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QQ0017UX	US	1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133	4XG0G89070	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x3.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QQ0018UX	US	1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	4XG0G89065	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x3.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QQ0019UX	US	1xE5-2660 v4 14C/2GHz/35MB/105W/DDR4-2400	4XG0G89060	1x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x3.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QQ001AUX	US	1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133	4XG0G89075	4x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x3.5" HS	4x1TB HDD 7.2K 3.5" SATA6Gbs	2xFH HL	None	None	TPM	TSM Premium	None	3-year	750Wx2 Platinum	03/16
70QQ001BUX	US	2xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	-	2x16GB RDIMM DDR4-2400 ECC	110i (PCIe)	8x3.5" HS	Open	2xFH HL+4xLP HL	None	None	TPM	TSM Premium	None	3-year	750Wx2 Platinum	03/16

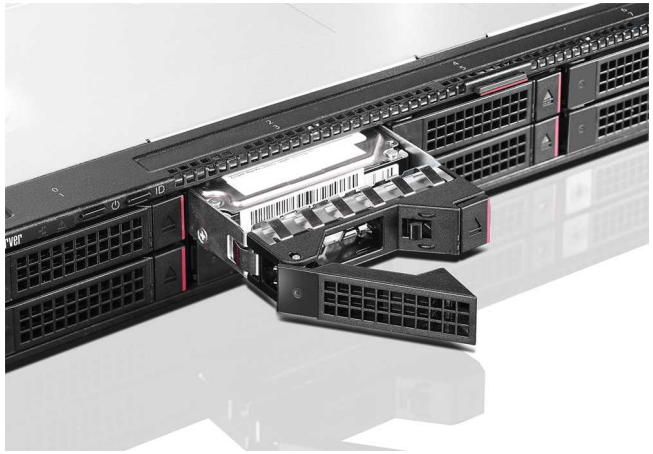
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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70QS0000UX	US	1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866	4XG0G89090	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	24x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QS0001UX	US	1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866	4XG0G89085	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	24x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QS0002UX	US	1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	4XG0G89080	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	24x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QS0003UX	US	1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133	4XG0G89075	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	24x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QS0004UX	US	1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133	4XG0G89070	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	24x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QS0005UX	US	1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	4XG0G89065	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	24x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QS0006UX	US	1xE5-2660 v4 14C/2GHz/35MB/105W/DDR4-2400	4XG0G89060	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	24x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70QW0004UX	US	1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866	4XG0G89090	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	16x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QW0005UX	US	1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866	4XG0G89085	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	16x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QW0006UX	US	1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	4XG0G89080	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	16x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QW0007UX	US	1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133	4XG0G89075	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	16x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QW0008UX	US	1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133	4XG0G89070	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	16x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QW0009UX	US	1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	4XG0G89065	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	16x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16
70QW000AUX	US	1xE5-2660 v4 14C/2GHz/35MB/105W/DDR4-2400	4XG0G89060	1x16GB RDIMM DDR4-2400 ECC	720ix+1GB Flash (AnyRAID)	16x2.5" HS	Open	2xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	03/16

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ThinkServer RD550 Platform Specifications

Components	Specification
Dimensions	1U rack. Height: 43 mm (1.7 in), width: 482 mm (19 in), depth: 780 mm (30.7 in)
Weight	Minimum configuration: 13.5 kg (29.76 lb), maximum: 21 kg (46.3 lb)
Processor	Up to two **145W Intel Xeon E5-2600 v3** family (code name: Haswell) processors with 18 cores up to 2.3GHz, 16 cores up to 2.3GHz, 14 cores up to 2.6GHz, 12 cores up to 2.6GHz, 10 cores up to 2.6GHz, 8 cores up to 3.2GHz, 6 cores up to 3.4GHz, 4 cores up to 3.5GHz. Two QPI link up to 9.6 GT/s. Up to 2133MHz memory speed. Up to 45MB cache
Chipset	Intel C612 Platform Controller Hub (PCH)
Memory DIMMs	24 DIMM sockets (12 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM and LRDIMM (cannot be intermixed), DDR4, up to 2133MHz
Memory capacity	384GB (RDIMM, 16GB x 24)/768GB (LRDIMM, 32GB x 24)
Memory protection	ECC, memory mirroring, lockstep, and memory sparing
AnyRAID support	RAID 0, 1, 10 with AnyRAID 110i. 6Gb/s SATA, optional key for RAID 5. RAID 0, 1, 10 with AnyRAID 510i, 6Gb/s SAS/SATA, optional key for RAID 5/50. RAID 0, 1, 10, 5, 50, 6, 60 with AnyRAID 720i/720ix. 12Gb/s SAS/SATA. 720i needs cache for RAID 6/60 support. 720ix must have cache. Optional cache for 720i/720ix: 1GB read-only memory. 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath *Note: At least 6 disk drives is required for RAID 50 and 60.*
Disk drive bays	Up to 4 3.5" or 12 2.5" hot-swap disk bays on front. Up to 2 of 12 2.5" bays can support easy-swap PCIe SSD via optional Anybay kit (consumes one PCIe slot). Up to 2 2.5" rear mounted hot-swap disk bays on 3.5" models, optional. Up to 2 M.2 SSD drives via optional M.2 module. Supports external RDX tape drive via USB.

Disk bay configuration	AnyRAID requirements and optional drives supported			
	RAID110i	RAID510i	RAID720i	RAID720ix
4x3.5"	• (optional rear bay/M.2)	• (optional rear bay/M.2)	• (optional rear bay/M.2)	
8x2.5"	•	•	•	
12x2.5"				• (optional Anybay/M.2)

Note: 1. Rear disk drive and M.2 SSD can not be supported simultaneously. Only one can be selected per system. 2. On AnyRAID 110i and 8x2.5" model, 6 of 8 drives can be configurated as RAID

Internal disk drive	3.5" HDD up to 8TB (SATA/SAS). 2.5" HDD up to 1.8TB (SAS)/2TB (SATA). 2.5" SSD up to 1.6TB (SATA/SAS). Easy-swap PCIe SSD up to 1.6TB. M.2 SSD up to 120GB. 2.5" SSD and HDD are compatible with 3.5" bay
SD module	Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each
Optical drive	Optional one 9.5mm optical drive on 3.5" model. DVD-ROM or DVD±RW
Network interfaces	One dedicated management port. One (3.5" model) or two (2.5" model) AnyFabric slots for customized LOM. Optional discrete network adapters via PCIe slots
Security features	Power-on and administrator password. Optional TPM (TCG 1.2-compliant)
Systems management	Supports ThinkServer System Manager (TSM), optional TSM Premium. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, Power Planner

Components	Specification
Operating systems supported	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0
Base warranty	3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units
Power supply	Up to two redundant hot-swap 550W/750W/1100W power supplies. 550W and 1100W are 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified.

Disk bay configuration	PSU requirements		
	550W	750W	1100W
4x3.5"	•	•	•
12x2.5"		•	•

Note: 750W Titanium is 200V - 240V, others are 110V - 240V.

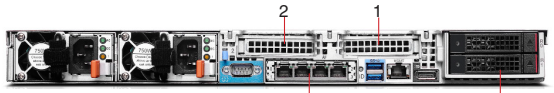
Graphics	Onboard Aspeed AST2400 with 16MB memory, one DisplayPort on front, one DisplayPort on rear. Maximum resolution: 1920x1200@60Hz
Front ports	(Only 3.5" model) Two USB 2.0, one DisplayPort
Rear ports	One DisplayPort, two USB 3.0, one RJ-45 (dedicate mgmt), one serial (9-pin)
Cooling	8 (7+1, dual processors) or 6 (5+1, single processor), hot-swap
Noise emissions	Operating: < 6.5 Bels. Idle: < 6 Bels (Maximum configuration)

Environmental specification	
Temperature - operating	41 °F to 113 °F (5 °C to 45 °C)
Temperature - non operating (no package)	-10 °C to 60 °C
Temperature - non operating (with package)	-40 °C to 60 °C
Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
Humidity - operating	8%~90%, non-condensing
Humidity - storage (with package)	8%~90%, non-condensing

Note: 45 ° C continuous operation configuration limitation: no 145W CPU/no 135W 4, 6, or 8 cores CPUno GPU card/redundant PSU/no FLFH card/no PCIe SSD adapter/no 1100W PSU.

Expansion slots

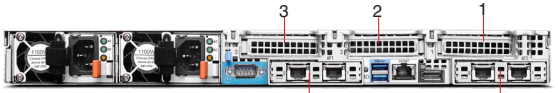
3.5" model



AnyFabric slot 1 (Network adapter is optional) Optional 2 x 2.5" rear bays

Slot 1 (riser card 1)	PCIe 3.0 x 16, low-profile, half length
Slot 2 (riser card 2)	PCIe 3.0 x 16, low-profile, half length, requires 2nd riser card and 2nd CPU

2.5" model



AnyFabric slot 1 (Network adapter is optional) AnyFabric slot 2 (Network adapter is optional)

Slot 1 (riser card 1)	PCIe 3.0 x 16 (x8 wired), low-profile, half length
Slot 2 (riser card 1)	PCIe 3.0 x 16 (x8 wired), low-profile, half length
Slot 3 (riser card 2)	PCIe 3.0 x 16, low-profile, half length, requires 2nd riser card and 2nd CPU

For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx*

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70CV001CUX	US	1xXeon E5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28803	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 110i	4x3.5" HS	Open	1xLP HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	750Wx1 Platinum	09/14
70CV001DUX	US	1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28802	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 110i	4x3.5" HS	Open	1xLP HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	750Wx1 Platinum	09/14
70CV001EUX	US	1xXeon E5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28800	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	4x3.5" HS	Open	1xLP HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	750Wx1 Platinum	09/14
70CV001FUX	US	1xXeon E5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28799	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	4x3.5" HS	Open	1xLP HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	750Wx1 Platinum	09/14
70CV001GUX	US	1xXeon E5-2670 v3 12C/2.3GHz/30MB/120W/DDR4-2133	4XG0F28797	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720i+1GB RAM	4x3.5" HS	Open	1xLP HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	750Wx1 Platinum	09/14
70CV001JUX	US	1xXeon E5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28803	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	4x3.5" HS	Open	1xLP HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14
70CV001KUX	US	1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28802	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	4x3.5" HS	Open	1xLP HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14
70CV001LUX	US	1xXeon E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28801	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	4x3.5" HS	Open	1xLP HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14
70CV001MUX	US	2xXeon E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	-	2x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	4x3.5" HS	Open	2xLP HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14
70CV001NUX	US	1xXeon E5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28804	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 110i	4x3.5" HS	Open	No	None	None	TPM	TSM	None	3-year	550Wx1 Platinum	10/14
70CV001SUX	US	1xXeon E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28801	2x8GB RDIMM DDR4-2133 ECC	AnyRAID 110i	4x3.5" HS	2x1TB HDD 7.2K 3.5" SATA6Gbs	1xLP HL	9.5mm DVD±RW	GbEx4 RJ-45 AnyFabric	TPM	TSM Premium	None	3-year	750Wx2 Platinum	02/15
70CV001TUX	US	2xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	-	2x16GB RDIMM DDR4-2133 ECC	AnyRAID 110i	4x3.5" HS	Open	2xLP HL	9.5mm DVD±RW	GbEx4 RJ-45 AnyFabric	TPM	TSM Premium	None	3-year	750Wx2 Platinum	09/15

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70CX001XUX	US	1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28802	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i+Key	8x2.5" HS	Open	2xLP HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	09/14
70CX001YUX	US	1xXeon E5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28800	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i+Key	8x2.5" HS	Open	2xLP HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	09/14
70CX0020UX	US	1xXeon E5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28799	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x2.5" HS	Open	2xLP HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	09/14
70CX0021UX	US	1xXeon E5-2670 v3 12C/2.3GHz/30MB/120W/DDR4-2133	4XG0F28797	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x2.5" HS	Open	2xLP HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	09/14
70CX0023UX	US	1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28802	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x2.5" HS	Open	2xLP HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14
70CX0024UX	US	1xXeon E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28801	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x2.5" HS	Open	2xLP HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14
70CX0025UX	US	1xXeon E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28801	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	8x2.5" HS	Open	2xLP HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14
70CX0027UX	US	1xXeon E5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28804	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 110i	8x2.5" HS	Open	No	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14
70CX002VUX	US	1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28802	2x16GB RDIMM DDR4-2133 ECC	AnyRAID 510i+Key	8x2.5" HS	2x300GB HDD 15K 2.5" SAS12Gbs	No	None	GbEx4 RJ-45 AnyFabric	TPM	TSM Premium	None	3-year	750Wx2 Platinum	02/16

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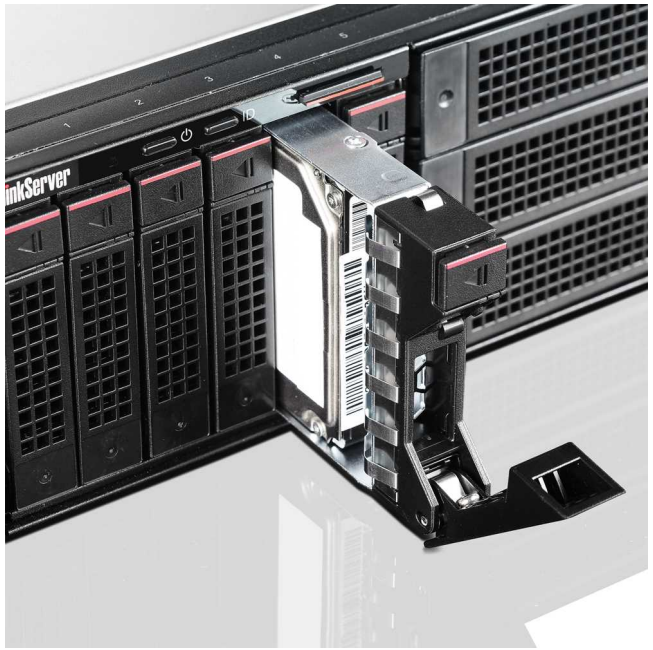












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ThinkServer RD650 Platform Specifications

Components	Specification
Dimensions	2U rack. Height: 87 mm (3.4 in), width: 482 mm (19 in), depth: 764 mm (30 in)
Weight	Minimum configuration: 16 kg (35.3 lb), maximum: 32 kg (70.5 lb)
Processor	Up to two **145W Intel Xeon E5-2600 v3** family (code name: Haswell) processors with 18 cores up to 2.3GHz, 16 cores up to 2.3GHz, 14 cores up to 2.6GHz, 12 cores up to 2.6GHz, 10 cores up to 2.6GHz, 8 cores up to 3.2GHz, 6 cores up to 3.4GHz, 4 cores up to 3.5GHz. Two QPI link up to 9.6 GT/s. Up to 2133MHz memory speed. Up to 45MB cache
Chipset	Intel C612 Platform Controller Hub (PCH)
Memory DIMMs	24 DIMM sockets (12 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM and LRDIMM (cannot be intermixed), DDR4, 2133MHz
Memory capacity	384GB (RDIMM, 16GB x 24)/768GB (LRDIMM, 32GB x 24)
Memory protection	ECC, memory mirroring, lockstep, and memory sparing
AnyRAID support	RAID 0, 1, 10 with AnyRAID 110i. 6Gb/s SATA, optional key for RAID 5. RAID 0, 1, 10 with AnyRAID 510i, 6Gb/s SAS/SATA, optional key for RAID 5/50. RAID 0, 1, 10, 5, 50, 6, 60 with AnyRAID 720i/720ix. 12Gb/s SAS/SATA. 720i needs cache for RAID 6/60 support. 720ix must have cache. Optional cache for 720i/720ix: 1GB read-only memory. 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath
Disk drive bays	Up to 12 3.5", 24 2.5", or 6 2.5" plus 9 3.5" hot-swap disk bays on front. Up to 4 2.5" bays on 24 2.5" or 2.5" + 3.5" models can support easy-swap PCIe SSD via optional Anybay kit (consumes two PCIe slots). Up to 2 2.5" rear mounted hot-swap disk bays, optional. Up to 2 M.2 SSD drives via optional M.2 module. Up to one internal LTO-6 SAS tape drive on 8 x 2.5" and 720ix model, or external RDX tape drive via USB.
Internal disk drive	3.5" HDD up to 8TB (SATA/SAS). 2.5" HDD up to 1.8TB (SAS)/2TB (SATA). 2.5" SSD up to 1.6TB (SATA/SAS). Easy-swap PCIe SSD up to 1.6TB. PCIe SSD adapter up to 3.2TB. M.2 SSD up to 120GB. 2.5" SSD and HDD are compatible with 3.5" bay
SD module	Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each
Optical drive	Optional one 9.5mm optical drive on 8 or 16 x 2.5" model, DVD-ROM or DVD±RW
Network interfaces	One dedicated management port, one AnyFabric slot for customized LOM. Discrete network options is also available via PCIe slots
Security features	Power-on and administrator password. Optional TPM (TCG 1.2-compliant)
Systems management	Supports ThinkServer System Manager (TSM), optional TSM Premium. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, Power Planner

Disk bay configuration	AnyRAID requirements and optional drives supported			
	RAID110i	RAID510i	RAID720i	RAID720ix
6x3.5"	•	•	•	
12x3.5"				• (optional rear bay/M.2)
8x2.5"		•	•	• (optional tape/rear bay/M.2)
16x2.5"				• (optional rear bay/M.2)
24x2.5"				• (optional Anybay/rear bay/M.2)
6x2.5"+9x3.5"				• (optional Anybay/rear bay/M.2)

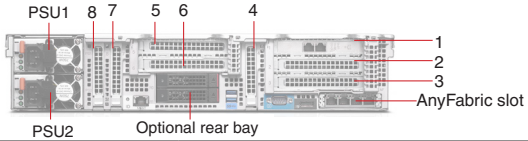
Components	Specification
Operating systems supported	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0
Base warranty	3-year limited onsite service with 9x5/NBD.
Power supply	Up to two redundant hot-swap 550W/750W/1100W/1600W power supplies. 550W, 1100W, and 1600W are 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified.
Graphics	Onboard Aspeed AST2400 with 16MB memory, one DisplayPort on rear
Front ports	(Only 2.5" bay models) Two USB 2.0, one DisplayPort
Rear ports	One DisplayPort, two USB 3.0, one RJ-45 (dedicate mgmt), one serial (9-pin)
Cooling	Six (5+1, dual processors) or four (3+1, single processor), hot-swap
Noise emissions	Operating: < 6.5 Bels. Idle: < 6 Bels (Maximum configuration)
Environmental specification	Temperature - operating: 41 °F to 113 °F (5 °C to 45 °C) Temperature - non operating (no package): -10 °C to 60 °C Temperature - non operating (with package): -40 °C to 60 °C Altitude - operating: (Unpressurized): 0-10000ft (0-3048m) Humidity - operating: 8%~90%, non-condensing Humidity - storage (with package): 8%~90%, non-condensing

Disk bay configuration	PSU requirements			
	550W	750W	1100W	1600W
6x3.5"	•	•	•	•
12x3.5"	• (up to 135W CPU)	•	•	•
8x2.5"	•	•	•	•
16x2.5"	• (up to 105W CPU+24 DIMMs or 135W+16 DIMMs)	•	•	•
24x2.5"		•	•	•
2.5"+3.5"		•	•	•

Note: 1. 750W Titanium is 200V - 240V, others are 110V - 240V. 2. 1600W will automatically operate in 1100W if the system line input is 100-127V.

Note: 45 ° C continuous operation configuration limitation: no 135W or 145W CPU/no GPU card/redundant PSU/no FLFH card/no PCIe SSD adapter.

Expansion slots



Slot 1 (riser card 1)	PCIe 3.0 x 16, half length, full height
Slot 2 (riser card 1)	PCIe 3.0 x 16, half length, full height
Slot 3 (riser card 1)	PCIe 3.0 x 16, half length, full height
Slot 4 (onboard)	PCIe 3.0 x 16, low-profile, half length, requires 2nd CPU
Slot 5 (riser card 2)	PCIe 3.0 x 16, half length, full height, requires 2nd riser card and 2nd CPU
Slot 6 (riser card 2)	PCIe 3.0 x 16, half length, full height, requires 2nd riser card and 2nd CPU
Slot 7 (onboard)	PCIe 3.0 x 16, low-profile, half length, requires 2nd CPU
Slot 8 (onboard)	PCIe 3.0 x 16, low-profile, half length, requires 2nd CPU

Notes:
On 2.5" disk bay models, slots 1 and 2 can be replaced with one PCIe 3.0 x16 slot, double wide, full length, full height. Slots 5 and 6 can be replaced with one PCIe 3.0 x16 slot, double wide, full length, full height.

For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70D0000FUX	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28820	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x3.5" HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70D0000GUX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28819	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x3.5" HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70D0000HUX	US	1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28817	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x3.5" HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70D0000JUX	US	1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28816	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x3.5" HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70D0000KUX	US	1xE5-2690 v3 12C/2.6GHz/30MB/135W/DDR4-2133	4XG0F28811	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x3.5" HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70D00025UX	US	1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28818	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x3.5" HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	10/14
70D00026UX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28821	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 110i	6x3.5" HS	Open	No	None	None	TPM	TSM	None	3-year	550Wx1 Platinum	10/14
70D0002BUX	US	1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28818	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	12x3.5" HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	02/15

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70D20024UX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28821	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	24x2.5" HS	Open	No	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70D4000CUX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28819	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	6+9 HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70D4000DUX	US	1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28817	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	6+9 HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70D4000EUX	US	1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28816	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	6+9 HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70D4000FUX	US	1xE5-2690 v3 12C/2.6GHz/30MB/135W/DDR4-2133	4XG0F28811	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	6+9 HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70D4001RUX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28821	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	6+9 HS	Open	No	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14
70D4001UUX	US	1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28816	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	6+9 HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	02/15
70D40025UX	US	2xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	-	2x16GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB Flash	6+9 HS	Open	5xFH HL+3xLP HL	None	10GbEx2 RJ-45 AnyFabric	TPM	TSM Premium	None	3-year	750Wx2 Platinum	09/15
70D40026UX	US	2xE5-2690 v3 12C/2.6GHz/30MB/135W/DDR4-2133	-	8x16GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	6+9 HS	4x600GB HDD 10K 2.5" SAS12Gbs	3xLP HL	None	GbEx4 RJ-45 AnyFabric	TPM	TSM Premium	None	3-year	1100Wx2 Platinum	02/16
70D40027UX	US	1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28816	4x16GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	6+9 HS	2x300GB HDD 15K 2.5" SAS12Gbs+2x2TB HDD 7.2K 3.5" SATA6Gbs	No	None	GbEx4 RJ-45 AnyFabric	TPM	TSM Premium	None	3-year	1100Wx2 Platinum	02/16
70D40028UX	US	2xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	-	8x16GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	6+9 HS (AnyBay)	2x120GB 2.5" SSD SATA6Gbs	3xFH HL+3xLP HL	None	GbEx4 RJ-45 AnyFabric	TPM	TSM Premium	None	3-year	750Wx2 Platinum	11/15
70D40029UX	US	2xE5-2690 v3 12C/2.6GHz/30MB/135W/DDR4-2133	-	8x16GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	6+9 HS (AnyBay)	2x120GB 2.5" SSD SATA6Gbs	3xFH HL+3xLP HL	None	GbEx4 RJ-45 AnyFabric	TPM	TSM Premium	None	3-year	750Wx2 Platinum	11/15

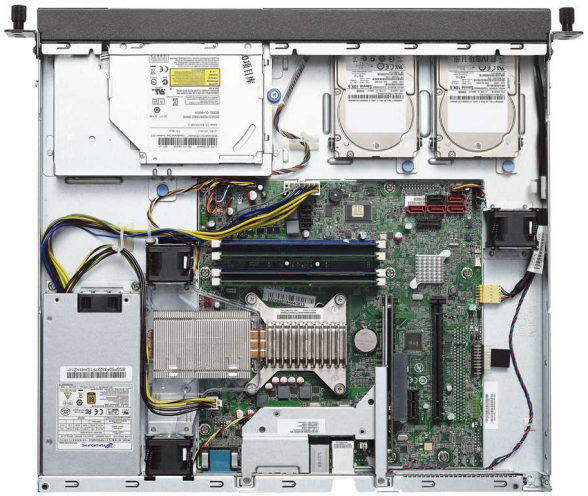
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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70DR000QUX	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28820	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	8x2.5" HS	Open	3xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70DR000RUX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28819	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	8x2.5" HS	Open	3xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70DR000SUX	US	1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28817	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	8x2.5" HS	Open	3xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70DR000TUX	US	1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28816	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	8x2.5" HS	Open	3xFH HL	9.5mm DVD±RW	None	TPM	TSM	None	3-year	1100Wx1 Platinum	09/14
70DR002KUX	US	1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	4XG0F28818	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	8x2.5" HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	10/14
70DR002LUX	US	2xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866	-	2x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	8x2.5" HS	Open	3xFH HL+3xLP HL	None	None	TPM	TSM	None	3-year	1100Wx1 Platinum	10/14
70DR002MUX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28821	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	8x2.5" HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14
70DR002RUX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28819	2x8GB RDIMM DDR4-2133 ECC	AnyRAID 720i+1GB RAM	8x2.5" HS	2x300GB HDD 10K 2.5" SAS6Gbs	3xFH HL	None	GbEx4 RJ-45 AnyFabric	TPM	TSM Premium	None	3-year	750Wx2 Platinum	02/15
70DR002SUX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28819	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 510i	8x2.5" HS	Open	3xFH HL	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	02/15

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Slots	Optical	Add-on NIC	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70DT000CUX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28821	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB Flash	16x2.5" HS	Open	No	None	None	TPM	TSM	None	3-year	750Wx1 Platinum	10/14

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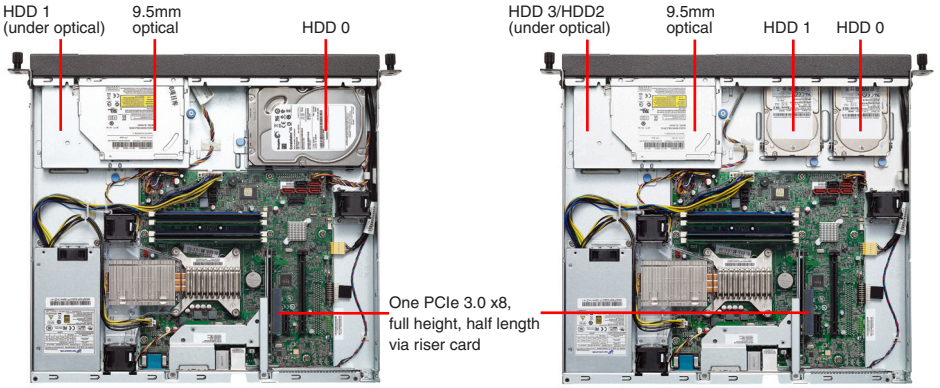
ThinkServer RS140 Platform Specifications

Components	Specification
Dimensions	1U rack. Height: 43.5 mm (1.71 in), width: 430 mm (16.9 in), depth: 411 mm (16.2 in)
Weight	Maximum configuration: 16.2 lb (7.36kg)
Processor	Supports one of the following Intel processors (code name: Haswell): • Xeon E3-1200 v3: up to 4C/3.7GHz/8MB/84W/1600MHz • Core i3: up to 2C/3.7GHz/4MB/54W/1600MHz • Pentium: up to 2C/3.4GHz/3MB/53W/1600MHz • Celeron: up to 2C/2.9GHz/2MB/53W/1333MHz *Note: Supports processors with integrated graphics only.*
Chipset	Intel C226 Platform Controller Hub (PCH)
Memory DIMMs	4 DIMM sockets, 2-channel capable. UDIMM, DDR3
Memory capacity	32GB (4 x 8GB)
Memory protection	ECC
RAID controller	RAID 0, 1, 5, 10 with onboard RAID 100, 6Gb/s SATA. RAID 0, 1, 10 with RAID 500, PCIe adapter, 6Gb/s SAS/SATA, optional key for RAID5. RAID 0, 1, 10, 5, 6 with RAID 700, PCIe adapter, 6Gb/s SAS/SATA, optional Intelligent Battery Backup Unit (iBBU08) *Note: RAID 5, 6, and 10 needs 4 x 2.5" bays.*
Disk drive bays	Up to 2 3.5" disk bays or up to 4 2.5" disk bays. Direct cabled, non-hot swap. Supports optional external USB RDX tape drive
Supporting disk drives	For 3.5" bay: 3.5" SATA HDD — 7.2K 6Gbs: 500GB/1TB/2TB/3TB/4TB/6TB For 3.5" bay: 3.5" SAS HDD — 7.2K 6Gbs: 1TB/2TB/3TB/4TB For 2.5" bay: 2.5" SATA HDD — 7.2K 6Gbs: 500GB/1TB For 2.5" bay: 2.5" SAS HDD — 10K 6Gbs: 300GB/600GB/900GB. 15K 6Gbs: 146GB/300GB For 2.5" bay: 2.5" SATA SSD — 6Gbs: 120GB/240GB/300GB/480GB/600GB
Optical drive	Up to one 9.5mm optical. DVD-ROM or DVD±RW
Network interfaces	Two Gigabit Ethernet ports by Intel I210, on riser card. One Gigabit Ethernet port by Intel I217, dedicate/share management
Security features	Power-on and administrator password. TPM (TCG 1.2-compliant).
Systems management	Intel Active Management Technology 9 on models with Xeon processor. Remote presence is supported on models with Xeon processors. Supports ThinkServer EasyStartup/EasyUpdate
Operating systems supported	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5. SUSE Linux Enterprise Server 11 SP3. VMware vSphere (ESXi) 5.5 *Note: VMware requires add-on network adapter.*

Components	Specification
Base warranty	1 or 3-year limited onsite service with 9x5/NBD.
Power supply	One fixed 300 watts power supply, 80 PLUS Gold qualified
Graphics	Integrated Intel HD Graphcis in processor
Front ports	Two USB 2.0
Rear ports	Four USB 3.0, two USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one VGA, one DisplayPort. Optional two serial ports via PCIe adapter
Noise emissions	Operating: < 5.2 Bels. Idle: < 5.0 Bels (Mainstream configuration)
Environmental specification	RoHS-compliant. Temperature - operating: 50 °F to 95 °F (10 °C to 35 °C) Temperature - storage (with package): -40 o C to 70 o C Altitude - operating: Supported Altitude (unpressurized): 0-10000ft (0-3048m) Humidity - operating: 10%~80%, non-condensing Humidity - storage (with package): 10%~90%, non-condensing

Expansion slots and disk bays

Supports one PCI-Express slot via riser card, half-length, full-height, PCIe 3.0 x8



For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70F30006UX	US	Core i3-4130 2C/3.4GHz/3MB/54W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F30007UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F30008UX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F30009UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F3000AUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F3000BUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 500+Key	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F3000CUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 700	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F3000DUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	2x4GB UDIMM DDR3-1600 ECC	RAID 500+Key	4x2.5" DC	2x500GB HDD 7.2K 2.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Standard	1-year	300W Gold Fixed	06/14
70F3000EUS	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	2x8GB UDIMM DDR3-1600 ECC	RAID 700	4x2.5" DC	4x500GB HDD 7.2K 2.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Standard	1-year	300W Gold Fixed	06/14
70F30017UX	US	Core i3-4150 2C/3.5GHz/3MB/54W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	09/14
70F30018UX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	09/14
70F30019UX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	09/14
70F3001AUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	09/14
70F3001BUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	4x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	09/14
70F3001EUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	2x500GB HDD 7.2K 2.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Foundations	1-year	300W Gold Fixed	09/14
70F3001FUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	2x500GB HDD 7.2K 2.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Essentials	1-year	300W Gold Fixed	09/14
70F3001GUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	2x120GB SSD 2.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Foundations	1-year	300W Gold Fixed	09/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70F3001HUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	2x120GB SSD 2.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Essentials	1-year	300W Gold Fixed	09/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70F90007UX	US	Core i3-4130 2C/3.4GHz/3MB/54W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F90008UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F90009UX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F9000AUX	US	Core i3-4130 2C/3.4GHz/3MB/54W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F9000BUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F9000CUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F9000DUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	2x4GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F9000EUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	2x8GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	06/14
70F9000FUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	2x4GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Standard	1-year	300W Gold Fixed	06/14
70F9000GUS	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	2x8GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Standard	1-year	300W Gold Fixed	06/14
70F9000HUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	2x4GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Essentials	1-year	300W Gold Fixed	06/14
70F9001MUX	US	Core i3-4150 2C/3.5GHz/3MB/54W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	09/14
70F9001NUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	09/14
70F9001PUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	09/14
70F9001QUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	09/14
70F9001RUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	1-year	300W Gold Fixed	09/14
70F9001UUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	2x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Foundations	1-year	300W Gold Fixed	09/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70F9001VUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	2x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT9	2012 R2 Essentials	1-year	300W Gold Fixed	09/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70F20001UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	2x4GB UDIMM DDR3-1600 ECC	RAID 100	4x2.5" DC	Open	None	None	None	AMT9	None	3-year	300W Gold Fixed	06/14
70F20002UX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	2x8GB UDIMM DDR3-1600 ECC	RAID 700	4x2.5" DC	Open	None	None	None	AMT9	None	3-year	300W Gold Fixed	06/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70F80000UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	2x4GB UDIMM DDR3-1600 ECC	RAID 100	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	3-year	300W Gold Fixed	06/14
70F80001UX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	2x8GB UDIMM DDR3-1600 ECC	RAID 500	2x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT9	None	3-year	300W Gold Fixed	06/14

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ThinkServer RS160 Platform Specifications

Components	Specification
Dimensions	1U rack. Height: 43.2 mm (1.7 in), width: 438.5 mm (17.26 in), depth: 393.7 mm (15.5 in)
Weight	Minimum configuration: 6.2 kg (13.67 lb), maximum: 7.6 kg (16.76 lb)
Processor	Up to one **Intel Xeon E3-1200 v5**, **Core i3**, **Pentium**, **or Celeron** family processor. *Processors in italic will be available on November 2016.*

Xeon E3-1280 v5	4C/3.7GHz/8MB/80W/DDR4-2133
Xeon E3-1270 v5	4C/3.6GHz/8MB/80W/DDR4-2133
Xeon E3-1240 v5	4C/3.5GHz/8MB/80W/DDR4-2133
Xeon E3-1230 v5	4C/3.4GHz/8MB/80W/DDR4-2133
Xeon E3-1220 v5	4C/3GHz/8MB/80W/DDR4-2133
Core i3-6320	2C/3.9GHz/4MB/51W/DDR4-2133
Core i3-6300	2C/3.8GHz/4MB/51W/DDR4-2133
Core i3-6100	2C/3.7GHz/3MB/51W/DDR4-2133
Pentium G4520	2C/3.6GHz/3MB/51W/DDR4-2133
Pentium G4500	2C/3.5GHz/3MB/51W/DDR4-2133
Pentium G4400	2C/3.3GHz/3MB/54W/DDR4-2133
Xeon E3-1260L v5	*4C/2.9GHz/8MB/45W/DDR4-2133*
Xeon E3-1240L v5	*4C/2.1GHz/8MB/25W/DDR4-2133*
Xeon E3-1225 v5	*4C/3.3GHz/8MB/80W/DDR4-2133*
Celeron G3920	*2C/2.9GHz/2MB/51W/DDR4-2133*
Celeron G3900	*2C/2.8GHz/2MB/51W/DDR4-2133*
Celeron G3900T	*2C/2.6GHz/2MB/35W/DDR4-2133*

Chipset	Intel C232 Platform Controller Hub (PCH)
Memory DIMMs	4 DIMM sockets with 2 channels, 2 DIMMs per channel. **UDIMM**. DDR4-2133
Memory capacity	64GB (16GB x 4)
Memory protection	ECC

RAID controller

RAID controller	Drive type	RAID support	Compatible models
Onboard RAID121i	6Gbs SATA	0/1/5/10	2x3.5”, 4x2.5”
RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5 with optional key	2x3.5”, 4x2.5”
RAID720i PCIe	12Gbs SAS/SATA	0/1/10/5, 6 with optional cache	2x3.5”, 4x2.5”

Optional cache for RAID720i: 1GB DDR3 memory. 1GB, 2GB, or 4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath.

Disk drive bays	Supports two 3.5" or four 2.5" disk drive bays. Non-hot swap. Cables are connected to onboard SATA connectors or PCIe RAID controller. Also supports one M.2 SATA SSD

Supporting storage

3.5" HDD, 7.2K SATA6Gbs	1TB/2TB/4TB/6TB/8TB
3.5" HDD, 7.2K SAS12Gbs	1TB/2TB/4TB/6TB/8TB
2.5" HDD, 7.2K SATA6Gbs	1TB/2TB
2.5" HDD, 10K SAS12Gbs	300GB/600GB/900GB/1.2TB
2.5" SSD, SATA6Gbs	120GB/240GB/480GB/960GB
M.2 SATA SSD	32GB/128GB (128GB M.2 SATA SSD will be available on November 2016)

Optical drive	Optional one 9.5mm optical. DVD-ROM or DVD±RW
Network interfaces	One dedicated management port, two Gigabit Ethernet ports. Supports optional discrete network adapters via riser card
Security features	Power-on and administrator password. Optional TPM (TCG 1.2-compliant)
Systems management	UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, disk drives, network, system. Supports the following management software: EasyStartup, Power Planner. On November 2016, EasyUpdate, Lenovo ThinkServer Diagnostics Standalone, ToolsCenter Suite CLI inventory module on ThinkServer, and Lenovo xClarity Adminstrator will be available
Operating systems	Microsoft Windows Server 2016 (Standard and Essentials)/2012 R2/2012. Windows 10 Pro. Red Hat Enterprise Linux 6.7/6.8/7.2. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 6.0Ub/U2
Base warranty	1 or 3-year limited onsite service with 9x5/NBD

Components	Specification
Power supply	One fixed 300 watts power supply, Non-hot swap. 80 PLUS Gold qualified
Graphics	Onboard Aspeed AST2400
Front ports	Two USB 2.0
Rear ports	One VGA, four USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin)
Cooling	3 fans for processor, PCIe slot, and disk drives
Noise emissions	Operating: < 5.9 Bels. Idle: < 5.2 Bels (Maximum configuration)

Environmental specification

Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
Temperature - non operating (with package)	-40 °C to 60 °C
Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
Humidity - operating	8%~80%, non-condensing
Humidity - storage (with package)	10%~90%, non-condensing

Expansion slots

Supports one PCIe slot via optional riser card

Slot 1 (riser card 1)	PCIe 3.0 x16, half length, half height

For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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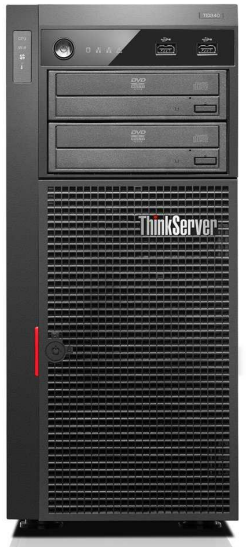
Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage(HDD/SSD)	Optical	Add-on NIC	Slots	TPM	OS	Warranty	Power Supply	Ann Date (m/y)
70TE000DUX	US	Xeon E3-1220 v5 4C/3GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x2.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16
70TE000EUX	US	Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x2.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16
70TE000FUX	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x2.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16
70TE000GUX	US	Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x2.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16
70TE000HUX	US	Xeon E3-1280 v5 4C/3.7GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x2.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage(HDD/SSD)	Optical	Add-on NIC	Slots	TPM	OS	Warranty	Power Supply	Ann Date (m/y)
70TG000JUX	US	Pentium G4400 2C/3.3GHz/3MB/54W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	2x3.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16
70TG000KUX	US	Xeon E3-1220 v5 4C/3GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	2x3.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16
70TG000LUX	US	Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	2x3.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16
70TG000MUX	US	Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	2x3.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16
70TG000NUX	US	Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	2x3.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16
70TG000PUX	US	Xeon E3-1280 v5 4C/3.7GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	2x3.5" NHS	Open	None	None	None	TPM	None	1-year	300W 85% Fixed	09/16

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ThinkServer TD340 Platform Specifications

Components	Specification
Dimensions	Tower or 5U rack. Height: 430 mm (16.9 in), width: 195 mm (7.68 in), depth: 595 mm (23.4 in)
Weight	Maximum: 26 kg (57.3 lb)
Processor	Up to two **95W Intel Xeon E5-2400 v2** family (code name: Ivy Bridge EN) processors with 10 cores up to 2.4GHz, 8 cores up to 2.5GHz, 6 cores up to 2.5GHz, 4 cores up to 2.4GHz. One QPI link up to 8.0 GT/s. Up to 1600MHz memory speed. Up to 25MB cache. Or up to two **Intel Xeon E5-2420** (code name: Sandy Bridge EN) processors with 6 cores, 1.9GHz, 15MB cache, 95W, up to 1333MHz memory speed, one 7.2GT/s QPI link
Chipset	Intel C606 Platform Controller Hub (PCH)
Memory DIMMs	12 DIMM sockets (6 DIMMs per processor). 6-channel capable (3-channel per processor). RDIMM, LV RDIMM and LV UDIMM (cannot be intermixed). DDR3. Up to 1866MHz (RDIMM), 1600MHz (LV RDIMM) or 1600MHz (LV UDIMM)
Memory capacity	192GB (RDIMM and LV RDIMM, 16GB x 12)/48GB (LV UDIMM, 4GB x 12)
Memory protection	ECC, memory mirroring, memory sparing
AnyRAID support	Supports one of the following: RAID 0, 1, 10 with onboard RAID 100, 6Gb/s SATA, optional key for RAID 5. RAID 0, 1, 10 with onboard RAID 300, 6Gb/s SAS/SATA, optional key for RAID 5. RAID 0, 1, 10 with RAID 500, PCIe adapter, 6Gb/s SAS/SATA, optional key for RAID 5, 50. RAID 0, 1, 10, 5, 50, 6, 60 with RAID 700, PCIe adapter, 512MB cache, optional intelligent Battery Backup Unit (iBBU08). RAID 0, 1, 10, 5, 50, 6, 60 with RAID 710, PCIe adapter, 1GB cache, optional CacheVault flash cache with super capacitor/CacheCade Pro 2.0/FastPath key *Note: At least 6 disk drives is required for RAID 50 and 60.*
Disk drive bays	Up to 8 3.5" hot-swap bays, or up to 16 2.5" hot-swap bays, or up to 4 3.5" non-hot swap bays. On front. Supports internal RDX tape drive, cosumes 5.25" bay, also supports optional external SAS tape drive, additional SAS HBA card is needed.

Disk bay configuration	RAID controller requirements				
	RAID100	RAID300	RAID500	RAID700	RAID710
4x3.5" non-hot swap	•				
4x3.5" HS	•	•	•	•	•
8x3.5" HS		•	•	•	•
8x2.5" HS		•	•	•	•
16x2.5" HS			•	•	•

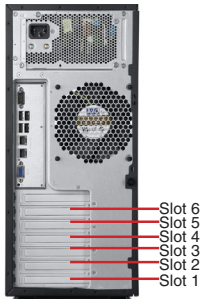
Supporting disk drives	
3.5" SATA HDD (both HS and NHS)	7.2K 6Gbs: 7.2K 6Gbs: 500GB/1TB/2TB/3TB/4TB
3.5" SAS HDD (HS)	7.2K 6Gbs: 1TB/2TB/3TB/4TB. 15K 6Gbs: 300GB/600GB
2.5" SATA HDD (HS)	7.2K 6Gbs: 500GB/1TB. 10K 6Gbs: 300GB/600GB/900GB
2.5" SAS HDD (HS)	15K 6Gbs: 146GB/300GB/600GB
2.5" SATA SSD (HS, also supports 3.5" HS bay)	6Gbs: 120GB/240GB/300GB/480GB/600GB
2.5" SAS SSD (HS, also supports 3.5" HS bay)	12Gbs: 200GB/400GB/800GB
PCIe SSD	1.4TB, via PCIe 2.0 x8 adapter

Note: Supports up to 2 SSD drives on 8 x 3.5" HS model, up to 4 SSD drives on 16 x 2.5" HS model.

Optical drive	Two 5.25" bays for optical drive. DVD-ROM or DVD±RW. Half-height
Network interfaces	Two Gigabit Ethernet port via two Intel 82574L. One port is shared with ThinkServer Management Module. Supports optional discrete network adapters via PCIe slots

Components	Specification
Security features	Power-on and administrator password. Optional TPM (TCG 1.2-compliant)
Intelligent Diagnostics Module (IDM)	Supports IDM or IDM Premium on selected models, IDM LED lights indicate failing component category, IDM Premium LED lights indicate individual failing part
Systems management	Supports ThinkServer Management Module (TMM), optional TMM Premium for remote presence. Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Front control panel LEDs shows the status of power, hard drive activity, network, system. Supports EasyStartup, EasyManage, EasyUpdate.
Operating systems supported	Microsoft Windows Server 2012 R2/2012/2008 R2/2008. Windows Small Business Server 2011. Red Hat Enterprise Linux 7.1/7/6.7/6.5/6.4/5.10/5.9. SUSE Linux Enterprise Server 11/10. VMware vSphere (ESXi) 5.5/5.1
Base warranty	1 or 3-year limited onsite service with 9x5/NBD.
Power supply	One fixed 625 watts, universal, 80 PLUS Bronze qualified. Or up to two redundant 800 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies
Graphics	Onboard Aspeed AST2300 graphics/management processor
Front ports	Two USB 2.0
Rear ports	Four USB 2.0, one serial (9-pin), two ethernet (RJ-45, one for dedicate/share mgmt), one analog VGA DB-15 connector
Noise emissions	Operating: < 42 dB(A). Idle: < 38 dB(A) (Maximum configuration)
Environmental specification	Energy Star Server 1.1 qualified for 625W models, Energy Star Server 2.0 qualified for 800W models. RoHS-compliant.

Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
Temperature - storage (with package)	-40 o C to 60 o C
Altitude - operating	Supported Altitude (unpressurized): 0-10000ft (0-3048m)
Humidity - operating	10%~80%, non-condensing
Humidity - storage (with package)	8%~90%, non-condensing



Expansion slots

Slot 1 (PCH)	32-bit PCI 2.3, half-length, full-height
Slot 2 (CPU1)	PCIe 3.0 x8 (x4 elec), half-length, full-height
Slot 3 (CPU2)	PCIe 3.0 x8, half-length, full-height
Slot 4 (CPU2)	PCIe 3.0 x8, half-length, full-height
Slot 5 (CPU1)	PCIe 3.0 x16, half-length, full-height
Slot 6 (CPU2)	PCIe 3.0 x8, half-length, full-height

For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	TPM	Diagnostics	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70B5001TUX	US	1xE5-2403 v2 4C/1.8GHz/10MB/80W/DDR3-1333	1x8GB RDIMM DDR3-1600 ECC	RAID 300	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	1-year	625W Bronze Fixed	05/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	TPM	Diagnostics	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70B7002GUX	US	1xE5-2403 v2 4C/1.8GHz/10MB/80W/DDR3-1333	1x8GB RDIMM DDR3-1600 ECC	RAID 300	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM	TMM	None	1-year	800Wx1 Gold	01/14
70B7002HUX	US	1xE5-2407 v2 4C/2.4GHz/10MB/80W/DDR3-1333	1x8GB RDIMM DDR3-1600 ECC	RAID 300	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM	TMM	None	1-year	800Wx1 Gold	01/14
70B7002JUX	US	1xE5-2403 v2 4C/1.8GHz/10MB/80W/DDR3-1333	1x8GB RDIMM DDR3-1600 ECC	RAID 300	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002KUX	US	1xE5-2407 v2 4C/2.4GHz/10MB/80W/DDR3-1333	1x8GB RDIMM DDR3-1600 ECC	RAID 300	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002LUX	US	1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002MUX	US	1xE5-2430 v2 6C/2.5GHz/15MB/80W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002NUX	US	1xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002PUX	US	1xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002QUX	US	1xE5-2470 v2 10C/2.4GHz/25MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002RUX	US	1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	8x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002SUX	US	1xE5-2430 v2 6C/2.5GHz/15MB/80W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	8x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002TUX	US	1xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	8x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002UUX	US	1xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	8x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002VUX	US	1xE5-2470 v2 10C/2.4GHz/25MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	8x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002WUX	US	1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	8x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002XUX	US	1xE5-2430 v2 6C/2.5GHz/15MB/80W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	8x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7002YUX	US	1xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	8x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	TPM	Diagnostics	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70B70030UX	US	1xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	8x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B70031UX	US	1xE5-2470 v2 10C/2.4GHz/25MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 300	8x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B70032UX	US	1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 700	16x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B70033UX	US	1xE5-2430 v2 6C/2.5GHz/15MB/80W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 700	16x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B70034UX	US	1xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 700	16x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B70035UX	US	1xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 710	16x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B70036UX	US	1xE5-2470 v2 10C/2.4GHz/25MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 710	16x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	01/14
70B7004DUX	US	2xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600	2x16GB RDIMM DDR3-1866 ECC	RAID 300	8x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM Premium	None	3-year	800Wx2 Gold	09/15

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	TPM	Diagnostics	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70B60002UX	US	1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600	4x8GB RDIMM DDR3-1600 ECC	RAID 500+Key	4x3.5" HS	4x2TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	2xGbE	TPM	IDM Premium	TMM Premium	None	3-year	800Wx2 Gold	01/14
70B60003UX	US	2xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600	8x8GB RDIMM DDR3-1600 ECC	RAID 700	8x3.5" HS	8x2TB 3.5" SAS6Gbs 7.2K	HH DVD±RW	2xGbE	TPM	IDM Premium	TMM Premium	None	3-year	800Wx2 Gold	01/14
70B60004UX	US	2xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600	12x8GB RDIMM DDR3-1600 ECC	RAID 710+CacheVault	16x2.5" HS	8x300GB HDD 15K 2.5" SAS6Gbs	HH DVD±RW	4xGbE	TPM	IDM Premium	TMM Premium	None	3-year	800Wx2 Gold	01/14
70B60005UX	US	1xE5-2407 v2 4C/2.4GHz/10MB/80W/DDR3-1333	1x8GB RDIMM DDR3-1600 ECC	RAID 300+Key	4x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	04/14
70B60006UX	US	1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 500	8x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	04/14
70B60007UX	US	1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 700	8x3.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM Premium	None	3-year	800Wx2 Gold	04/14
70B60008UX	US	1xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600	1x8GB RDIMM DDR3-1600 ECC	RAID 700	8x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM	None	3-year	800Wx1 Gold	04/14
70B60009UX	US	1xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600	1x16GB RDIMM DDR3-1600 ECC	RAID 710	16x2.5" HS	Open	HH DVD±RW	None	TPM	IDM Premium	TMM Premium	None	3-year	800Wx2 Gold	04/14

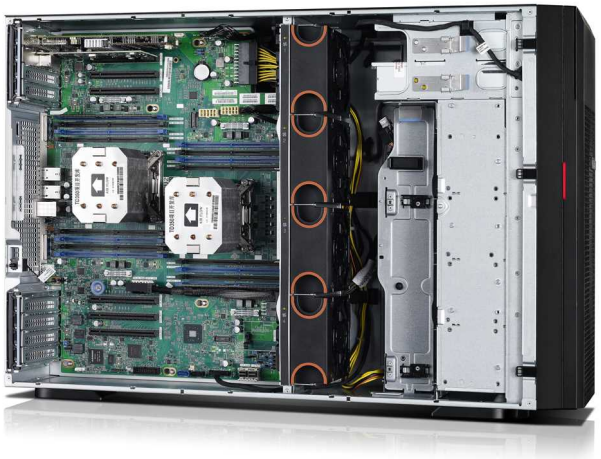
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ThinkServer TD350 Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification
Dimensions	Tower or 4U rack. Tower: Height: 459 mm (18.1 in), width: 251 mm (9.9 in), depth: 686 mm (27 in) Rack: height: 173 mm (6.8 in), width: 482 mm (19 in), depth: 686 mm (27 in)
Weight	Minimum configuration: 22 kg (48.5 lb), maximum: 41.4 kg (91.27 lb)
Processor	Up to two **135W Intel Xeon E5-2600 v4 or E5-2600 v3** family processors.

E5-2698 v4	20C/2.2GHz/50MB/135W/DDR4-2400
E5-2695 v4	18C/2.1GHz/45MB/120W/DDR-2400
E5-2690 v4	14C/2.6GHz/35MB/135W/DDR4-2400
E5-2683 v4	16C/2.1GHz/40MB/120W/DDR-2400
E5-2680 v4	14C/2.4GHz/35MB/120W/DDR4-2400
E5-2667 v4	8C/3.2GHz/25MB/135W/DDR4-2400
E5-2660 v4	14C/2GHz/35MB/105W/DDR4-2400
E5-2650L v4	14C/1.7GHz/35MB/65W/DDR4-2400
E5-2650 v4	12C/2.2GHz/30MB/105W/DDR4-2400
E5-2643 v4	6C/3.4GHz/20MB/135W/DDR4-2400
E5-2640 v4	10C/2.4GHz/25MB/90W/DDR4-2133
E5-2637 v4	4C/3.5GHz/15MB/135W/DDR4-2400
E5-2630L v4	10C/1.8GHz/25MB/55W/DDR4-2133
E5-2630 v4	10C/2.2GHz/20MB/85W/DDR4-2133
E5-2623 v4	4C/2.6GHz/10MB/85W/DDR4-2133
E5-2620 v4	8C/2.1GHz/20MB/85W/DDR4-2133
E5-2609 v4	8C/1.7GHz/20MB/85W/DDR4-1866
E5-2603 v4	6C/1.7GHz/15MB/85W/DDR4-1866
E5-2698 v3	16C/2.3GHz/40MB/135W/DDR4-2133
E5-2695 v3	14C/2.3GHz/35MB/120W/DDR4-2133
E5-2690 v3	12C/2.6GHz/30MB/135W/DDR4-2133
E5-2685 v3	12C/2.6GHz/30MB/120W/DDR4-2133
E5-2683 v3	14C/2GHz/35MB/120W/DDR4-2133
E5-2680 v3	12C/2.5GHz/30MB/120W/DDR4-2133
E5-2670 v3	12C/2.3GHz/30MB/120W/DDR4-2133
E5-2667 v3	8C/3.2GHz/20MB/135W/DDR4-2133
E5-2660 v3	10C/2.6GHz/25MB/105W/DDR4-2133
E5-2650L v3	12C/1.8GHz/30MB/65W/DDR4-2133
E5-2650 v3	10C/2.3GHz/25MB/105W/DDR4-2133
E5-2643 v3	6C/3.4GHz/20MB/135W/DDR4-2133
E5-2640 v3	8C/2.6GHz/20MB/90W/DDR4-1866
E5-2637 v3	4C/3.5GHz/15MB/135W/DDR4-2133
E5-2630L v3	8C/1.8GHz/20MB/55W/DDR4-1866
E5-2630 v3	8C/2.4GHz/20MB/85W/DDR4-1866
E5-2623 v3	4C/3GHz/10MB/105W/DDR4-1866
E5-2620 v3	6C/2.4GHz/15MB/85W/DDR4-1866
E5-2609 v3	6C/1.9GHz/15MB/85W/DDR4-1600
E5-2603 v3	6C/1.6GHz/15MB/85W/DDR4-1600

Chipset	Intel C612 Platform Controller Hub (PCH)
Memory DIMMs	16 DIMM sockets (8 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM and LRDIMM (cannot be intermixed), DDR4, up to 2400MHz
Memory capacity	512GB (RDIMM, 32GB x 16)/1024GB (LRDIMM, 64GB x 16), 2nd CPU is needed
Memory protection	ECC, memory mirroring, lockstep, and memory sparing

RAID controller

RAID controller	Drive type	RAID support	Compatible models
Onboard RAID110i	6Gbs SATA	0/1/10,5 with optional key	5x3.5" HS/ES, 8x2.5" HS
RAID520i PCIe	12Gbs SAS/SATA	0/1/10,5/50 with optional key	5x3.5" HS, 8x2.5" HS
RAID720i PCIe	12Gbs SAS/SATA	0/1/10/5/50,6/60 with optional cache	5x3.5" HS, 8x2.5" HS
AnyRAID 510i	6Gbs SAS/SATA	0/1/10,5/50 with optional key	5x3.5" HS, 8x2.5" HS
AnyRAID 720i	12Gbs SAS/SATA	0/1/10/5/50, 6/60 with optional cache	5x3.5" HS, 8x2.5" HS
AnyRAID 720ix	12Gbs SAS/SATA	0/1/10/5/50/6/60	15x3.5" HS, 16/32x2.5" HS

Optional cache for RAID 720/AnyRAID 720i and 720ix: 1GB read-only memory or 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath. 720ix must have cache.

Disk drive bays	Up to 15 3.5" or 32 2.5" hot-swap bays, or up to 5 3.5" easy-swap bays, on front. Up to 2 M.2 SSD drives via optional M.2 module. Up to one internal LTO-6 SAS tape drive on 720ix model, or external RDX tape drive via USB.

Components	Specification
Maximum internal storage	3.5" model: up to 120TB with 7.2K SATA or SAS HDD, up to 27TB with 10K SAS HDD, up to 9TB with 15K SAS HDD, or up to 24TB with SATA or SAS SSD. 2.5" model: up to 64TB with 7.2K SATA HDD, up to 57.6TB with 10K SAS HDD, up to 19.2TB with 15K SAS HDD, or up to 51.2TB with SATA or SAS SSD
SD module	Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each
Optical drive	Two 5.25" bays for optical drive. DVD-ROM or DVD±RW. Half-height or 9.5mm
Network interfaces	One dedicate management port, two gigabit ethernet ports. Supports optional discrete network adapters via PCIe slots
Security features	Power-on and administrator password. Optional TPM (TCG 1.2 or 2.0-compliant)
Systems management	Supports ThinkServer System Manager (TSM), optional TSM Premium for remote presence. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer Diagnostics, ThinkServer Deployment Manager, ThinkServer Energy Manager, ThinkServer System Manager CLI, Lenovo ThinkServer Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, ThinkServer Power Planner.
Operating systems supported	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0
Base warranty	1 or 3-year limited onsite service with 9x5/NBD.
Power supply	Up to two redundant hot-swap 450W/550W/750W/1100W power supplies. 450 W is 80 PLUS Gold qualified. 550W and 1100W are 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified. 750W Titanium is 200V - 240V, others are 110V - 240V.

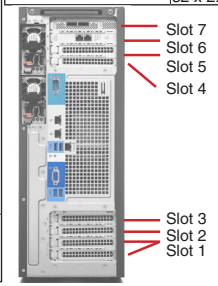
Disk bay configuration	PSU requirements			
	450W	550W	750W	1100W
5x3.5" ES	• (up to 1 CPU)	•	•	•
5x3.5" HS	• (up to 1 CPU)	•	•	•
15x3.5" HS			•	•
8x2.5" HS	• (up to 1 CPU)	•	•	•
16x2.5" HS	• (up to 1 CPU)	•	•	•
32x2.5" HS			•	•

Graphics	Onboard Aspeed AST2400 with 16MB memory, one VGA on rear
Front ports	Two USB 2.0
Rear ports	One VGA, four USB 3.0, one RJ-45 (dedicate/share mgmt), two ethernet (RJ-45), one serial (9-pin)
Cooling	4 (3+1), hot-swap
Noise emissions	Operating: < 6.5 Bels. Idle: < 6 Bels (Maximum configuration)

Environmental specification

ASHRAE Class	A4	A3	A2
Temperature - operating	41 °F to 113 °F (5 °C to 45 °C)	41 °F to 104 °F (5 °C to 40 °C)	50 °F to 95 °F (10 °C to 35 °C)
Temperature - storage (with package)	-40 °C to 60 °C		
Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)		
Humidity - operating (non-condensing)	8%~90%	8%~85%	20%~80%
Humidity - storage (with package)	8%~90%, non-condensing		

ASHRAE Class A4: ES or 8x2.5" HS bays/Lenovo-qualified CPU; maximum of 120W thermal design power; not low-power type (no L-suffix in the CPU name)/No internal tape/Two PSU installed for redundancy/ Lenovo-qualified PCIe card; power consumption of each PCIe card does not exceed 15W.
32 x 2.5" models support ASHRAE Class A2, the other models support ASHRAE Class A3.



Expansion slots

Slot 1 (CPU1)	PCIe 3.0 x16, full height, full length, double-wide
Slot 2 (CPU1)	PCIe 3.0 x16 (x8 elec), full height, full length
Slot 3 (CPU1)	PCIe 3.0 x16 (x8 elec), full height, full length
Slot 4 (CPU2)	PCIe 3.0 x16 (x8 elec), full height, full length
Slot 5 (CPU2)	PCIe 3.0 x16, full height, full length
Slot 6 (CPU2)	PCIe 3.0 x16 (x8 elec), full height, full length
Slot 7 (CPU2)	PCIe 3.0 x16 (x8 elec), full height, full length

For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70DG0003UX	US	2xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	-	4x8GB RDIMM DDR4-2133 ECC	AnyRAID 110i+Key	5x3.5" HS	Open	HH DVD±RW	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	09/14
70DG0007UX	US	1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600	4XG0F28787	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 110i+Key	5x3.5" HS	Open	HH DVD±RW	None	None	TPM 1.2	TSM	None	3-year	550Wx1 Platinum	09/14
70DG0008UX	US	1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600	4XG0F28786	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 110i+Key	5x3.5" HS	Open	HH DVD±RW	None	None	TPM 1.2	TSM	None	3-year	550Wx1 Platinum	09/14
70DG0009UX	US	1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866	4XG0F28785	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	15x3.5" HS	Open	HH DVD±RW	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	09/14
70DG000AUX	US	1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866	4XG0F28783	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	15x3.5" HS	Open	HH DVD±RW	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	09/14
70DG000BUX	US	1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133	4XG0F28782	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	15x3.5" HS	Open	HH DVD±RW	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	09/14
70DG000CUX	US	1xE5-2670 v3 12C/2.3GHz/30MB/120W/DDR4-2133	4XG0F28780	1x8GB RDIMM DDR4-2133 ECC	AnyRAID 720ix+1GB RAM	15x3.5" HS	Open	HH DVD±RW	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	09/14
70DG006NUX	US	1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866	4XG0G89088	1x16GB RDIMM DDR4-2400 ECC	Onboard 110i	5x3.5" HS	Open	None	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	04/16
70DG006PUX	US	1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866	4XG0G89083	1x16GB RDIMM DDR4-2400 ECC	Onboard 110i	5x3.5" HS	Open	None	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	04/16
70DG006QUX	US	1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	4XG0G89078	1x16GB RDIMM DDR4-2400 ECC	Onboard 110i	5x3.5" HS	Open	None	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	04/16
70DG006RUX	US	1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133	4XG0G89073	1x16GB RDIMM DDR4-2400 ECC	AnyRAID 720ix+1GB Flash	15x3.5" HS	Open	None	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	04/16
70DG006SUX	US	1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133	4XG0G89068	1x16GB RDIMM DDR4-2400 ECC	AnyRAID 720ix+1GB Flash	15x3.5" HS	Open	None	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	04/16
70DG006TUX	US	1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400	4XG0G89063	1x16GB RDIMM DDR4-2400 ECC	AnyRAID 720ix+1GB Flash	15x3.5" HS	Open	None	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	04/16
70DG006UUX	US	1xE5-2660 v4 14C/2GHz/35MB/105W/DDR4-2400	4XG0G89058	1x16GB RDIMM DDR4-2400 ECC	AnyRAID 720ix+1GB Flash	15x3.5" HS	Open	None	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	04/16
70DG006VUX	US	1xE5-2680 v4 14C/2.4GHz/35MB/120W/DDR4-2400	4XG0G89055	1x16GB RDIMM DDR4-2400 ECC	AnyRAID 720ix+1GB Flash	15x3.5" HS	Open	None	None	None	TPM 1.2	TSM	None	3-year	750Wx1 Platinum	04/16
70DG006WUX	US	2xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133	-	2x16GB RDIMM DDR4-2400 ECC	AnyRAID 110i	5x3.5" HS	Open	None	None	None	TPM 1.2	TSM Premium	None	3-year	750Wx2 Platinum	04/16

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Model	Region	Processor	2nd CPU	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	TPM	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70DJ006NUX	US	1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133	4XG0G89068	1x16GB RDIMM DDR4-2400 ECC	AnyRAID 720i+1GB RAM	8x2.5" HS	Open	None	None	None	TPM 2.0	TSM	None	3-year	750Wx1 Platinum	04/16

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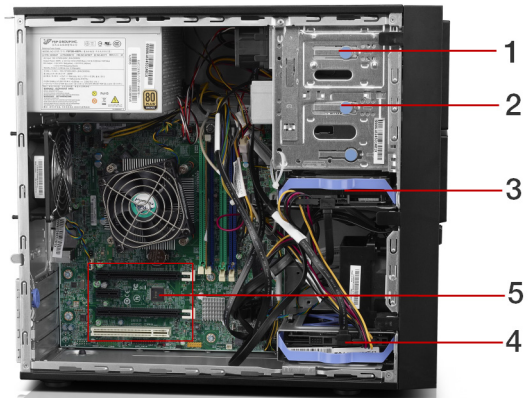
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ThinkServer TS140 Platform Specifications

Components	Specification
Dimensions	Tower or 4U rack. Height: 375 mm (14.76 in), width: 175 mm (6.89 in), depth: 431 mm (16.97 in)
Weight	Maximum configuration: 28.66 lb (13kg)
Processor	Supports one of the following Intel processors (code name: Haswell): • Xeon E3-1200 v3: up to 4C/3.7GHz/8MB/84W/1600MHz • Core i3: up to 2C/3.7GHz/4MB/54W/1600MHz • Pentium: up to 2C/3.4GHz/3MB/53W/1600MHz • Celeron: up to 2C/2.9GHz/2MB/53W/1333MHz
Chipset	Intel C226 Platform Controller Hub (PCH)
Memory DIMMs	4 DIMM sockets, 2-channel capable. UDIMM, DDR3, up to 1600MHz
Memory capacity	32GB
Memory protection	ECC
RAID controller	Supports one of the following onboard or PCIe RAID adapters • RAID 0, 1, 5, 10 with onboard RAID 100, 6Gb/s SATA. • RAID 0, 1, 10 with RAID 500, PCIe adapter, 6Gb/s SAS/SATA, optional key for RAID5. • RAID 0, 1, 5, 10 with RAID 700, PCIe adapter, 6Gb/s SAS/SATA
Disk drive bays	Two external 5.25" bays, two internal 3.5" bays (see right). Up to one 9.5mm optical plus 4 3.5" or 2.5" disk drives. Supports internal RDX tape drive, cosumes 5.25" bay, also support optional external USB RDX tape drive. All disk drive bays are direct cabled, non-hot swap
Maximum internal storage	Up to 24TB with 7.2K SATA HDD, up to 16TB with 7.2K SAS HDD, up to 1.92TB with SATA SSD
Optical drive	Two 5.25" bays for optical. DVD-ROM or DVD±RW. Half-height or 9.5mm
Network interfaces	One onboard gigabit ethernet, Intel I217, shared with AMT. Supports optional discrete network adapters via PCIe slots
Security features	Power-on and administrator password. TPM (TCG 1.2-compliant). Optional padlock loop, Kensington cable lock
Systems management	Intel Active Management Technology 9 on models with Xeon processors. Intel Standard Manageability on models with Core i3, Pentium, or Celeron processors. KVM is supported on models with Xeon E3-12x5 v3 processors
Operating systems supported	Microsoft Windows Server 2012 R2/2012/2008 R2. Windows Small Business Server 2011. Windows 8.1/8/7(except Home edition). Red Hat Enterprise Linux 6.5/6.7/7/7.1. SUSE Linux Enterprise Server 11 SP4. VMware vSphere (ESXi) 5.1 U2/5.5 U1/5.5 U2/5.5 U3 *Note: VMware requires processors with Intel HD, add-on network adapters, and PCIe RAID adapters*
Base warranty	1 or 3-year limited onsite service with 9x5/NBD.
Power supply	Supports one of the follwing: • One fixed 280 watts, autosensing, 85%, 80 PLUS Bronze qualified • One fixed 450 watts, autosensing, 92%, 80 PLUS Platinum qualified
Graphics	Integrated Intel HD Graphics on Xeon E3-12x6 v3, Xeon E3-12x5 v3, Core i3, Pentium, and Celeron processors. Uses main memory, works along with discrete graphics to support multi-display, enables three display connectors (2 DP, 1 VGA) on rear ports. Also supports the following optional discrete graphics adapters: • NVIDIA Quadro NVS 300, PCIe adapter, 512MB • NVIDIA Quadro K600, PCIe adapter, 1GB

Components	Specification
Front ports	Two USB 3.0 (blue)
Rear ports	1 VGA and 2 DisplayPort (for Intel HD Graphics models only), two USB 2.0, four USB 3.0 (blue), one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in). Optional parallel or serial ports via PCI or PCIe adapters
Noise emissions	Operating: < 35 dB(A). Idle: < 34 dB(A) (Maximum configuration)
Environmental specification	GREENGUARD certified, Energy Star Server 1.1 qualified, RoHS-compliant

Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
Temperature - storage (with package)	-40 o C to 70 o C
Altitude - operating	Supported Altitude (unpressurized): 0-10000ft (0-3048m)
Humidity - operating	10%~80%, non-condensing
Humidity - storage (with package)	10%~90%, non-condensing



Drive Bays and PCIe Slots

Bay 1	5.25”, supports one of the following: HH optical, 9.5mm optical+3.5"/2.5" drive
Bay 2	5.25”, supports one of the following: 3.5"/2.5" drive, tape drive
Bay 3	Standard 3.5"/2.5" disk drive bay
Bay 4	Standard 3.5"/2.5" disk drive bay
5 -Slots	Four PCIe slots (top-down): Slot 1: PCIe 3.0 x16, full height, half length (near CPU) Slot 2: PCIe 2.0 x1, full height, half length Slot 3: PCIe 2.0 x16 (x4 elec), full height, half length Slot 4: PCI 2.3, full height, half length

For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Management	Operating System	Warranty	Power Supply	Ann Date (mm/yy)
70A4000FUX	US	Core i3-4330 2C/3.5GHz/4MB/54W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	Open	HH DVD	None	None	ISM	None	1-year	280W 85% Fixed	09/13
70A4000GUX	US	Core i3-4130 2C/3.4GHz/3MB/54W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	Open	HH DVD	None	None	ISM	None	3-year	280W 85% Fixed	09/13
70A4000HUX	US	Core i3-4130 2C/3.4GHz/3MB/54W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	Open	HH DVD	None	None	ISM	None	1-year	280W 85% Fixed	09/13
70A4001LUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A4001MUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	1x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A4001NUX	US	Xeon E3-1275 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A4001PUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A4001QUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD	None	None	AMT	2012 Foundations	1-year	280W 85% Fixed	09/13
70A4001RUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD	None	None	AMT	2012 Essentials	1-year	280W 85% Fixed	09/13
70A4001SUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	1x1TB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A40034US	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 R2 Essentials	1-year	280W 85% Fixed	05/14
70A40035US	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 R2 Foundations	1-year	280W 85% Fixed	05/14
70A40036UX	US	Core i3-4130 2C/3.4GHz/3MB/54W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD	None	None	ISM	None	1-year	280W 85% Fixed	05/14
70A40037UX	US	Core i3-4150 2C/3.5GHz/3MB/54W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	Open	HH DVD±RW	None	None	ISM	None	1-year	280W 85% Fixed	09/14
70A40038UX	US	Core i3-4150 2C/3.5GHz/3MB/54W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	1x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	None	ISM	None	1-year	280W 85% Fixed	09/14
70A40039UX	US	Core i3-4350 2C/3.6GHz/4MB/54W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	Open	HH DVD±RW	None	None	ISM	None	1-year	280W 85% Fixed	09/14
70A4003AUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Management	Operating System	Warranty	Power Supply	Ann Date (mm/yy)
70A4003BUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	1x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/14
70A4003CUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/14
70A4003DUX	US	Xeon E3-1276 v3 4C/3.6GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/14
70A4003EUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	1x120GB SSD 2.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/14
70A4003FUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 R2 Foundations	1-year	280W 85% Fixed	09/14
70A4003GUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 R2 Essentials	1-year	280W 85% Fixed	09/14
70A4003HUX	US	Core i3-4130 2C/3.4GHz/3MB/54W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	1x2TB HDD 7.2K 3.5" SATA6Gbs	HH DVD	None	None	ISM	None	1-year	280W 85% Fixed	08/14
70A4006EUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	4x8GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	2x2TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	None	AMT	None	3-year	280W 85% Fixed	03/15
70A4006FUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	2x8GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	2x1TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	None	AMT	None	3-year	280W 85% Fixed	03/15
70A4006GUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	None	AMT	None	3-year	280W 85% Fixed	03/15
70A4007VUS	US	Core i3-4150 2C/3.5GHz/3MB/54W/DDR3-1600	4x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x1TB HDD 7.2K 2.5" SATA6Gbs	9.5mm DVD±RW	None	None	ISM	2012 R2 Standard	1-year	280W 85% Fixed	03/16
70A4007WUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	4x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x1TB HDD 7.2K 2.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 R2 Standard	1-year	280W 85% Fixed	03/16
70A40083UX	US	Core i3-4150 2C/3.5GHz/3MB/54W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	3x3.5" DC	Open	HH DVD±RW	None	None	ISM	None	1-year	280W 85% Fixed	09/16
70A4008CUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	10/16

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Management	Operating System	Warranty	Power Supply	Ann Date (mm/yy)
70A5000BUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	450W 92% Fixed	09/13
70A5000FUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	1x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	None	1-year	450W 92% Fixed	09/13
70A5001NUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	450W 92% Fixed	09/14
70A5001PUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	450W 92% Fixed	09/14
70A5001QUX	US	Xeon E3-1276 v3 4C/3.6GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	450W 92% Fixed	09/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Management	Operating System	Warranty	Power Supply	Ann Date (mm/yy)
70A00003US	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	4x2GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	4x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	2xGbE	1xParallel	AMT	2012 Foundations	1-year	280W 85% Fixed	09/13
70A00006US	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	4x2GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	4x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	2xGbE	None	AMT	2012 Foundations	1-year	280W 85% Fixed	09/13
70A00009UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A0000AUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A0000BUX	US	Xeon E3-1275 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A0000CUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	1x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A0000DUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 Foundations	1-year	280W 85% Fixed	09/13
70A0000EUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 Essentials	1-year	280W 85% Fixed	09/13
70A0000FUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 Standard	1-year	280W 85% Fixed	09/13
70A0000GUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A0000HUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A0000JUX	US	Xeon E3-1275 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	280W 85% Fixed	09/13
70A0000KUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x1TB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 Foundations	1-year	280W 85% Fixed	09/13
70A0000LUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x1TB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 Essentials	1-year	280W 85% Fixed	09/13
70A0000MUS	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x1TB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	None	None	AMT	2012 Standard	1-year	280W 85% Fixed	09/13
70A0000NUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x2TB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	2xGbE	None	AMT	None	3-year	280W 85% Fixed	09/13
70A0000PUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	2x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x2TB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	2xGbE	None	AMT	None	3-year	280W 85% Fixed	09/13

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Management	Operating System	Warranty	Power Supply	Ann Date (mm/yy)
70A0000QUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	4x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x2TB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	2xGbE	None	AMT	None	3-year	280W 85% Fixed	09/13

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Management	Operating System	Warranty	Power Supply	Ann Date (mm/yy)
70A10000US	US	Xeon E3-1280 v3 4C/3.6GHz/8MB/82W/DDR3-1600	4x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	4x4TB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	2xGbE	1xParallel	AMT	2012 Foundations	1-year	450W 92% Fixed	09/13
70A10001US	US	Xeon E3-1280 v3 4C/3.6GHz/8MB/82W/DDR3-1600	4x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	4x2TB HDD 7.2K 3.5" SATA6Gbs	9.5mm DVD±RW	1xGbE	None	AMT	2012 Foundations	1-year	450W 92% Fixed	09/13

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ThinkServer TS150 Platform Specifications

Components	Specification
Dimensions	Tower or 4U rack. Height: 375 mm (14.76 in), width: 175 mm (6.89 in), depth: 431 mm (16.97 in)
Weight	Maximum configuration: 27.6 lb (12.5kg)
Processor	Up to one **Intel Xeon E3-1200 v5**, **Core i3**, **Pentium**, **or Celeron** family processor.

Xeon E3-1280 v5	4C/3.7GHz/8MB/80W/DDR4-2133
Xeon E3-1270 v5	4C/3.6GHz/8MB/80W/DDR4-2133
Xeon E3-1240 v5	4C/3.5GHz/8MB/80W/DDR4-2133
Xeon E3-1230 v5	4C/3.4GHz/8MB/80W/DDR4-2133
Xeon E3-1220 v5	4C/3GHz/8MB/80W/DDR4-2133
Xeon E3-1275 v5	4C/3.6GHz/8MB/80W/DDR4-2133
Xeon E3-1245 v5	4C/3.5GHz/8MB/80W/DDR4-2133
Xeon E3-1225 v5	4C/3.3GHz/8MB/80W/DDR4-2133
Core i3-6320	2C/3.9GHz/4MB/51W/DDR4-2133
Core i3-6300	2C/3.8GHz/4MB/51W/DDR4-2133
Core i3-6300T	2C/3.3GHz/4MB/35W/DDR4-2133
Core i3-6100	2C/3.7GHz/3MB/51W/DDR4-2133
Core i3-6100T	2C/3.2GHz/3MB/35W/DDR4-2133
Pentium G4520	2C/3.6GHz/3MB/51W/DDR4-2133
Pentium G4500	2C/3.5GHz/3MB/51W/DDR4-2133
Pentium G4500T	2C/3GHz/3MB/35W/DDR4-2133
Pentium G4400	2C/3.3GHz/3MB/54W/DDR4-2133
Pentium G4400T	2C/2.9GHz/3MB/35W/DDR4-2133
Celeron G3920	2C/2.9GHz/2MB/51W/DDR4-2133
Celeron G3900	2C/2.8GHz/2MB/51W/DDR4-2133
Celeron G3900T	2C/2.6GHz/2MB/35W/DDR4-2133

Chipset	Intel C236 Platform Controller Hub (PCH)
Memory DIMMs	4 DIMM sockets with 2 channels, 2 DIMMs per channel. **UDIMM**. DDR4-2133
Memory capacity	64GB (16GB x 4)
Memory protection	ECC

RAID controller	Drive type	RAID support
Onboard RAID121i	6Gbs SATA	0/1/5/10
RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5 with optional key

Disk bays	Supports up to four 3.5" or hybrid 3.5" + 2.5" disk drives , or up to five 2.5" disk drives. one 9.5mm optical (see right). Non-hot swap. Cables are connected to onboard SATA connectors or PCIe RAID controller. Supports one optional internal USB RDX Tape drive

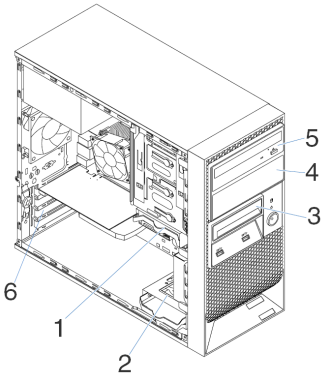
Supporting storage	
3.5" HDD, 7.2K SATA6Gbs	500GB/1TB/2TB/3TB/4TB/5TB/6TB
2.5" HDD, 7.2K SATA6Gbs	500GB/1TB/2TB
2.5" SSD, SATA6Gbs	120GB/240GB/480GB/600GB/800GB/960GB

SD module	Optional. Up to 2 SDHC flash cards via SD module, 8GB each
Optical drive	Up to two half-height optical drives or one 9.5mm optical. DVD-ROM or DVD±RW
Network interfaces	One Gigabit Ethernet port, Intel i219LM. Supports optional discrete network adapters via PCIe slots
Security features	Power-on and administrator password. TPM (TCG 1.2-compliant)
Systems management	UEFI, system LEDs, EasyStartup, EasyUpdate, Power Planner, and Diagnostics. Intel Active Management Technology 11 on models with Xeon processors. Intel Standard Manageability on models with Core i3, Pentium, or Celeron processors. KVM is supported on models with Xeon E3-12x5 v5 processors
Operating systems	Microsoft Windows Server 2016/2012 R2/2012, Windows MultiPoint Server 2012, Windows 10 Pro. Red Hat Enterprise Linux 6.7/7.2. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 5.5U3/6.0U2
Base warranty	1 or 3-year limited onsite service with 9x5/NBD
Power supply	Supports one of the follwing: • One fixed 250 watts, autosensing, 85%, 80 PLUS Bronze qualified • One fixed 400 watts, autosensing, 92%, 80 PLUS Platinum qualified

CPU	Up to 80W			
Discrete graphics adapter	Not supported		Support	
Disk drives	2 x 3.5"	4 x 3.5" + 1 x 2.5"	2 x 3.5"	4 x 3.5" + 1 x 2.5"
250W fixed PSU	•	•		
400W fixed PSU	•	•	•	•

Components	Specification
Graphics	Integrated Intel HD Graphics on Xeon E3-12x5 v5, Core i3, Pentium, and Celeron processors. Uses main memory, works along with discrete graphics to support multi-display, enables two display connectors (1 DP, 1 VGA) on rear ports. Also supports the following discrete graphics adapter options: • NVIDIA Quadro NVS 315, 1GB • NVIDIA Quadro K620, 2GB
HD Audio	Realtek ALC662 codec
Front ports	Two USB 3.0
Rear ports	One VGA, one DisplayPort, six USB 3.0, one RJ-45, one serial (9-pin), three analog audio ports (line-in, line-out, mic-in). Optional parallel or serial ports via PCIe adapters
Noise emissions	Operating: < 35 dB(A). Idle: < 34 dB(A) (Maximum configuration)

Environmental specification	
Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
Temperature - non operating (with package)	-40 °C to 60 °C
Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)
Humidity - operating	8%~80%, non-condensing
Humidity - storage (with package)	10%~90%, non-condensing



Disk Bays and PCIe Slots

Disk bays configuration	4 x 3.5"	4 x 2.5"	4 x hybrid 3.5" + 2.5"
Bay 1	1st HDD bay	1st HDD bay	1st HDD bay, 3.5"/2.5"
Bay 2	2nd HDD bay	2nd HDD bay	2nd HDD bay, 3.5"/2.5"
Bay 3	Not supported	3rd HDD bay	Not supported on standard models. Supports one 2.5" disk drive for special bid only
Bay 4	2nd half-height optical, or RDX tape drive, or 3rd HDD bay	2nd half-height optical, or RDX tape drive, or 4th HDD bay	2nd half-height optical, or RDX tape drive, or 3rd HDD bay (3.5"/2.5")
Bay 5	1st half-height optical, or 9.5mm optical + 4th HDD bay	1st half-height optical, or 9.5mm optical +5th HDD bay	1st half-height optical, or 9.5mm optical + 4th HDD bay (3.5"/2.5")
6	Four PCIe slots (top-down): Slot 1: PCIe 3.0 x16, full height, half length (near CPU) Slot 2: PCIe 3.0 x1, full height, half length Slot 3: PCIe 3.0 x16 (x4 elec), full height, half length Slot 4: PCIe 3.0 x1, full height, half length		

For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70LV002XUX	US	Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	5x2.5" DC	Open	None	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV002YUX	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	5x2.5" DC	Open	None	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV0030UX	US	Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	5x2.5" DC	Open	None	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV0031UX	US	Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x3.5" DC	Open	None	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV0032UX	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x3.5" DC	Open	None	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV0033UX	US	Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x3.5" DC	Open	None	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV0034UX	US	Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x3.5" DC/3 available	Open	HH DVD±RW	None	None	ISM	None	1-year	250W 85% Fixed	08/16
70LV0035UX	US	Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x3.5" DC	Open	None	None	None	ISM	None	1-year	250W 85% Fixed	08/16
70LV0036UX	US	Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV0037UX	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV0038UX	US	Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x3.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV0039UX	US	Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	5x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV003AUX	US	Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	5x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	250W 85% Fixed	08/16
70LV003BUX	US	Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	5x2.5" DC	Open	9.5mm DVD±RW	None	None	AMT	None	1-year	250W 85% Fixed	08/16

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	Add-on Ports	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70LX0017UX	US	Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	4x3.5" DC	Open	None	None	None	AMT	None	1-year	400W 92% Fixed	08/16
70LX0018UX	US	Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133	1x8GB UDIMM DDR4-2133 ECC	RAID 121i	5x2.5" DC	Open	None	None	None	AMT	None	1-year	400W 92% Fixed	08/16

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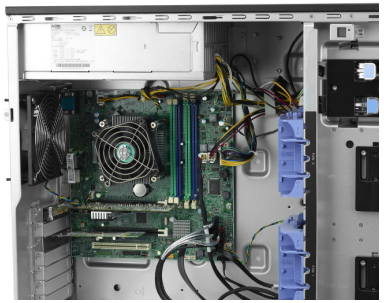
ThinkServer TS440 Platform Specifications

Components	Specification
Dimensions	Tower or 5U rack. Height: 430 mm (16.9 in), width: 195 mm (7.68 in), depth: 595 mm (23.4 in)
Weight	Maximum configuration: 61.7 lb (28kg)
Processor	Supports one of the following Intel processors (code name: Haswell): • Xeon E3-1200 v3: up to 4C/3.7GHz/8MB/84W/1600MHz
Chipset	Intel C226 Platform Controller Hub (PCH)
Memory DIMMs	4 DIMM sockets, 2-channel capable. UDIMM, DDR3, up to 1600MHz
Memory capacity	32GB
Memory protection	ECC
RAID controller	Supports one of the following onboard or PCIe RAID adapters: • RAID 0, 1, 5, 10 with onboard RAID 100, 6Gb/s SATA. • RAID 0, 1, 10 with RAID 500, PCIe adapter, 6Gb/s SAS/SATA, optional key for RAID5/50. • RAID 0, 1, 5, 6, 10, 50, 60 with RAID 700, PCIe adapter, 6Gb/s SAS/SATA, optional Intelligent Battery Backup Unit (iBBU08). *Note: RAID 50 and 60 are supported on 8 hard drive bays models only.*
Disk drive bays	Up to 4 3.5" disk bays, non-hot swap, direct cable. Or up to 8 3.5" disk bays, hot-swap. Or up to 8 2.5" disk bays, hot-swap. On front. Supports internal RDX tape drive, cosumes 5.25" bay, also supports optional external USB RDX tape drive.
Maximum internal storage	3.5" non-hot swap model: up to 24TB with 7.2K SATA HDD. 3.5" hot swap model: up to 48TB with 7.2K SATA HDD, up to 32TB with 7.2K SAS HDD, up to 4.8TB with 15K SAS HDD, up to 2.4TB with SATA SSD 2.5" hot swap model: up to 8TB with 7.2K SATA HDD, up to 7.2TB with 10K SAS HDD, up to 4.8TB with 15K SAS HDD, up to 2.4TB with SATA SSD *Note: Supports up to 4 SSD drives.*
Optical drive	Two 5.25" bays for optical. DVD-ROM or DVD±RW. Half-height
Network interfaces	One onboard gigabit ethernet, Intel I217, shared with AMT. Supports optional discrete network adapters via PCIe slots
Security features	Power-on and administrator password. TPM (TCG 1.2-compliant). Optional padlock loop, Kensington cable lock
Systems management	Intel Active Management Technology 9 on models with Xeon processor. Remote presence is supported on models with Xeon E3-12x5 v3 or E3-12x6 v3 processor
Operating systems supported	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Windows 8.1/8/7(except Home edition). Red Hat Enterprise Linux 6.4/6.5/6.7/7/7.1. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 5.1 U1/5.1 U2/5.5/5.5 U1/5.5 U2/5.5 U3, Citrix Xen server 6.2 *Note: VMware requires processors with Intel HD, add-on network adapters, and PCIe RAID adapters.*

Disk bay configuration	RAID controller requirements and optional drives supported		
	RAID100	RAID500	RAID700
4x3.5" non-hot swap	•		
4x3.5" HS	•	•	•
8x3.5" HS		•	•
8x2.5" HS		•	•

Components	Specification
Base warranty	1 or 3-year limited onsite service with 9x5/NBD.
Power supply	Supports one of the follwing, depending on models: • One fixed 450 watts, universal, 80 PLUS Platinum qualified. • Up to two redundant 450 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies
Graphics	Integrated Intel HD Graphics on Xeon E3-12x6 v3, Xeon E3-12x5 v3 processors. Uses main memory, works along with discrete graphics to support multi-display, enables one VGA connector on rear. Also supports the following optional discrete graphics adapters: • NVIDIA Quadro NVS 300, PCIe adapter, 512MB • NVIDIA Quadro NVS 315, PCIe adapter, 1GB
Front ports	Two USB 3.0 (blue)
Rear ports	One VGA for models with Intel HD Graphics, two USB 2.0, four USB 3.0 (blue), one serial (9-pin), one ethernet (RJ-45). Optional parallel or serial ports via PCI or PCIe adapters
Noise emissions	Operating: < 42 dB(A). Idle: < 38 dB(A) (Maximum configuration)
Environmental specification	GREENGUARD certified, Energy Star Server 1.1 qualified, RoHS-compliant

Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
Temperature - storage (with package)	-40 o C to 70 o C
Altitude - operating	Supported Altitude (unpressurized): 0-10000ft (0-3048m)
Humidity - operating	10%~80%, non-condensing
Humidity - storage (with package)	10%~90%, non-condensing



Expansion slots
Four PCIe slots (top-down):
Slot 1: PCIe 3.0 x16, full height, half length (near CPU)
Slot 2: PCIe 2.0 x1, full height, half length
Slot 3: PCIe 2.0 x16 (x4 elec), full height, half length
Slot 4: PCI 2.3, full height, half length
Note: All PCI/PCIe adapters are optional.

For a list of all supported options, please see *https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx sheet*

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70AN0001UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD	None	AMT9	None	1-year	450W Platinum Fixed	09/13
70AN0002UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD	None	AMT9	None	3-year	450W Platinum Fixed	09/13
70AN000KUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD	None	AMT9	None	1-year	450W Platinum Fixed	09/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70AQ0005US	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	2x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	AMT9	2012 Foundations	3-year	450Wx1 Gold	09/13
70AQ0006US	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	2x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	AMT9	2012 Essentials	3-year	450Wx1 Gold	09/13
70AQ0007US	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	2x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	AMT9	2012 Standard	3-year	450Wx1 Gold	09/13
70AQ0009UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD±RW	None	AMT9	None	1-year	450Wx1 Gold	09/13
70AQ000AUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD±RW	None	AMT9	None	3-year	450Wx1 Gold	09/13
70AQ000BUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD±RW	None	AMT9	None	3-year	450Wx1 Gold	09/13
70AQ000CUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	8x3.5" HS	Open	HH DVD±RW	None	AMT9	None	3-year	450Wx1 Gold	09/13
70AQ000DUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	8x3.5" HS	Open	HH DVD±RW	None	AMT9	None	3-year	450Wx1 Gold	09/13
70AQ000EUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	8x2.5" HS	Open	HH DVD±RW	None	AMT9	None	3-year	450Wx1 Gold	09/13
70AQ000FUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	8x2.5" HS	Open	HH DVD±RW	None	AMT9	None	3-year	450Wx1 Gold	09/13
70AQ000GUX	US	Xeon E3-1275 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD±RW	None	AMT9	None	3-year	450Wx1 Gold	09/13
70AQ000HUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 700	8x3.5" HS	Open	HH DVD±RW	None	AMT9	None	3-year	450Wx1 Gold	09/13
70AQ000NUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	4x3.5" HS	Open	HH DVD	None	AMT9	None	1-year	450Wx1 Gold	09/13
70AQ000PUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	4x3.5" HS	Open	HH DVD	None	AMT9	None	3-year	450Wx1 Gold	09/13
70AQ000XUX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	8x3.5" HS	Open	HH DVD±RW	None	AMT9	None	1-year	450Wx1 Gold	05/14
70AQ000YUX	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	8x3.5" HS	Open	HH DVD±RW	None	AMT9	None	1-year	450Wx1 Gold	05/14
70AQ001JUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD±RW	None	AMT9	None	1-year	450Wx1 Gold	09/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70AQ001KUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	8x3.5" HS	Open	HH DVD±RW	None	AMT9	None	1-year	450Wx1 Gold	09/14
70AQ001LUX	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD	None	AMT9	None	1-year	450Wx1 Gold	09/14
70AQ001MUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	2x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	AMT9	2012 R2 Foundations	1-year	450Wx1 Gold	09/14
70AQ001NUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	2x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	AMT9	2012 R2 Essentials	1-year	450Wx1 Gold	09/14
70AQ001PUS	US	Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	2x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	None	AMT9	2012 R2 Standard	1-year	450Wx1 Gold	09/14
70AQ001QUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD±RW	None	AMT9	None	1-year	450Wx1 Gold	09/14
70AQ001RUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	8x3.5" HS	Open	HH DVD±RW	None	AMT9	None	1-year	450Wx1 Gold	09/14
70AQ001SUX	US	Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	8x2.5" HS	Open	HH DVD±RW	None	AMT9	None	1-year	450Wx1 Gold	09/14
70AQ001TUX	US	Xeon E3-1276 v3 4C/3.6GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 700	8x3.5" HS	Open	HH DVD±RW	None	AMT9	None	1-year	450Wx1 Gold	09/14
70AQ001UUX	US	Xeon E3-1276 v3 4C/3.6GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 700	8x2.5" HS	Open	HH DVD±RW	None	AMT9	None	1-year	450Wx1 Gold	09/14

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70AL0000US	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	3x8GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	3x3TB HDD 7.2K 3.5" SATA6Gbs	HH DVD±RW	2xGbE	AMT9	2012 Foundations	1-year	450W Platinum Fixed	09/13
70AL0001US	US	Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 500	8x2.5" HS	1x500GB HDD 7.2K 2.5" SATA6Gbs	2xHH DVD±RW	4xGbE	AMT9	2012 Foundations	1-year	450W Platinum Fixed	09/13
70AL0002UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	1x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD	None	AMT9	None	3-year	450W Platinum Fixed	09/13
70AL0003UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD	None	AMT9	None	3-year	450W Platinum Fixed	09/13

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Model	Region	Processor	Memory	RAID Controller	Disk Bays	Storage	Optical	Add-on NIC	System Mgmt	OS	Warranty	Power Supply	Ann Date (m/y)
70AM0000US	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	2x2GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" DC	2x500GB HDD 7.2K 3.5" SATA6Gbs	HH DVD	1xGbE	AMT9	2012 Foundations	1-year	450Wx1 Gold	09/13
70AM0001US	US	Xeon E3-1275 v3 4C/3.5GHz/8MB/84W/DDR3-1600	4x2GB UDIMM DDR3-1600 ECC	RAID 500+Key	8x3.5" HS	8x2TB HDD 7.2K 3.5" SATA6Gbs	2xHH DVD±RW	1xGbE	AMT9	2012 Foundations	1-year	450Wx2 Gold	09/13
70AM0002UX	US	Xeon E3-1280 v3 4C/3.6GHz/8MB/82W/DDR3-1600	3x4GB UDIMM DDR3-1600 ECC	RAID 700	8x2.5" HS	3x600GB HDD 10K 2.5" SAS6Gbs	HH DVD	4xGbE	AMT9	None	1-year	450Wx1 Gold	09/13
70AM0003US	US	Xeon E3-1285 v3 4C/3.6GHz/8MB/84W/DDR3-1600	4x8GB UDIMM DDR3-1600 ECC	RAID 700	8x2.5" HS	8x900GB HDD 10K 2.5" SAS6Gbs	HH DVD±RW	2xGbE	AMT9	2012 Foundations	1-year	450Wx2 Gold	09/13
70AM0004UX	US	Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600	1x4GB UDIMM DDR3-1600 ECC	RAID 100	4x3.5" HS	Open	HH DVD	None	AMT9	None	3-year	450Wx1 Gold	09/13

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Support Dept., EMEA Services, Lenovo, Eisteinova 21, 851 01 Bratislava, Slovakia. Lenovo makes no representation or warranty regarding third party products or services.

[1] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[2] **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less.

[3] **Systems with limited onsite service** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Support phone list available at www-307.ibm.com/pc/support/site.wss/document.do?lndocid=MIGR-70552

[4] **SATA/SAS:** The system configuration supports the installation of either SATA or SAS disks. A configuration including both SATA and SAS disks is not supported.

[7] **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. See Lenovo Warranty Services terms and conditions for complete details and restrictions.

[8] **RAID:** Supported RAID levels for a system will vary from the stated capabilities of the RAID controller due to dependencies on the number and capacity of physical disks in the system and on customer requirements for performance, fault tolerance, or data redundancy.
RAID levels and requirements:

- *RAID 0 (striping)* provides increased performance by writing data across multiple drives.
- *RAID 1 (mirroring)* provides fault tolerance by writing the data on two drives.
- *RAID 5 (striping with parity)* uses distributed parity data to provide fault tolerance more efficiently than RAID 1. Requires three or more drives.
- *RAID 6 (striped set with dual distributed parity)* provides fault tolerance from two drive failures; array continues to operate with up to two failed drives. Requires four drives.
- *RAID 10 (or RAID 1+0)* combines RAID 1 and RAID 0 to create a stripe of mirrors that is fault tolerant while offering increased performance. Requires four drives.
- *RAID 50 (or RAID 5+0)* combines RAID 5 and RAID 0 to create block-level striping with distributed parity improving performance over RAID 5. Requires six drives.
- *RAID 60 (or RAID 6+0)* combines RAID 6 and RAID 0 to create block-level striping with distributed double parity improving performance over RAID 6. Requires eight drives.

[14] **Response times may vary.** Response time is an average target and comitted service level. May exclude some holidays. Telephone support may be subject to additional charges.

ThinkServer™

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Lenovo
1009 Think Place
Morrisville, NC 27560
U.S.A.

Lenovo ThinkVision

PSREF

Product Specifications Reference

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Summary of Changes

This section describes the technical changes made in this edition.
This edition might also include minor corrections and editorial changes which are not identified.

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Additions in this update

►**New product(s)**
None

►**New model(s)**
None

►**Others**
None

Changes in this update

ThinkVision T1714p update November 2016
ThinkVision LT1913p update November 2016
ThinkVision LT2024 update November 2016
ThinkVision Pro2820 update November 2016
ThinkVision X24 update November 2016
ThinkVision E1922s update November 2016

Withdrawals in this update

None













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Lenovo ThinkVision E1922s Wide

Product Specifications Reference (PSREF)

Name	**E1922s Wide Flat Panel Monitor**
Case color	**Black**
Type-model	**60G2AAT6US / 60G2AAR6US / 60G2AAT6EU**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**18.5"** (**470mm**) diagonal
Max view area (W x H)	16.1" x 9.1" / 409.8mm x 230.4mm
Native resolution	**1366x768**
Aspect ratio	16:9
Pixel pitch (mm)	0.3mm
Dot/Pixel per Inch	85 dpi
Brightness	200 nits or cd/m² (typical)
Contrast ratio	600:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	180° (+/- 90°) horizontal, 100° (+/- 50°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.73" (18.5mm)
Dimensions (HxWxD)	13.44" H x 17.65" W x 6.58" D; 341.5mm H x 448.4mm W x 167.2mm D
Power supply	13.7 watts typical, 17 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	6.03 lb; 2.74 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	March 2014

Features

- Widescreen 18.5-inch monitor
- Supports HD 1366x768 resolution
- Supports VESA mount (100mm)
- Mercury free panel and arsenic free glass
- Kensington lock slot ready for enhanced security
- Support Lenovo Tiny PC via VESA mount
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified



ThinkVision E1922s Wide Monitor

VESA-compliant[2]	VESA DPMS-compliant
Power management	ENERGY STAR® 7.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO (TCO Displays 7.0), WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768
Presets / user settings	Standard presets: 15 user settings: 16

Viewing adjustments	*Tilt:* 20° backward, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (control buttons on front) for automatic image setup and adjustment for brightness
Multiple input	None
Monitor connectors	VGA 15-pin D-shell, analog, blue
Signal cables	detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, 1.8 meter analog signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

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Lenovo ThinkVision E2054 Wide

Product Specifications Reference (PSREF)

Name	**E2054 Wide Flat Panel Monitor**
Case color	**Raven black**
Type-model	**60DFAAR1US / 60DFAAT1US / 60DFAAT1EU**
Panel	TFT-LCD, In-Plane Switching (IPS), LED backlight
Viewable image size	**19.5"** (**494mm**) diagonal
Max view area (W x H)	16.48" x 10.33" / 418.6mm x 262.4mm
Native resolution	**1440x900**
Aspect ratio	16:10
Pixel pitch (mm)	0.097mm x 0.292mm
Dot/Pixel per Inch	87 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt adjustable stand
Bezel width	*Top:* 0.71" (18.0mm) *Bottom:* 0.70" (17.9mm) *Sides:* 1.02" (26.0mm)
Dimensions (HxWxD)	14.65" H x 17.95" W x 7.41" D; 372.0mm H x 456.0mm W x 188.3mm D
Power supply	16 watts typical, 20 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	6.17 lb; 2.8 kg
Limited warranty	**3 year** (includes backlight)
Available date	November 2015

VESA-compliant	VESA DPMS-compliant
Power management	ENERGY STAR® 6.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO (TCO Displays 6.0), WEEE, RoHS, **EPEAT™ Silver rating**

Preset resolutions	VGA: 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x768, 1280x1024 WXGA: 1366x768 WXGA+: 1440x900
Presets / user settings	Standard presets: 18 user settings: 10

Features

- Widescreen 19.5-inch monitor
- Supports HD 1440x900 resolution
- Supports VESA mount (100mm)
- Mercury free panel and arsenic free glass
- Kensington lock slot ready for enhanced security
- Support Lenovo Tiny PC via VESA mount
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision E2054 Wide Monitor

Viewing adjustments	*Tilt:* 22° backward, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (control buttons on front) for automatic image setup and adjustment for brightness
Multiple input	None
Monitor connectors	VGA 15-pin D-shell, analog, blue
Signal cables	detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, 1.8 meter analog signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

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Lenovo ThinkVision LT1913p Square

Product Specifications Reference (PSREF)

Name	**LT1913p Square Flat Panel Monitor**
Case color	**Black**
Type-model	**60FBHAR1US / 60FBHAT1US / 60FBHAT1EU**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**19.0"** (**480.0mm**) diagonal
Max view area (W x H)	14.76" x 11.80" (374.7mm x 299.8mm)
Optimum resolution	**1280x1024**
Max pixel rate	205MHz (VGA), 165MHz (DVI)
Aspect ratio	5:4
Pixel pitch (mm)	0.0976 (H) x 0.2928 (V) mm
Dot/Pixel per Inch	86.8 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° horizontal, 178° vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.68" (17.4mm); *top:* 0.68" (17.4mm); *bottom:* 0.68" (17.4mm)
Dimensions (HxWxD)	14.63" H x 16.18" W x 10.40" D; 371.5mm H x 411.0mm W x 264.2mm D
Power supply	24 watts typical, 27 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	10.69 lb; 4.85kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	April 2015
VESA-compliant[2]	VESA DDC2B/CI, EDID 1.3
Power management	ENERGY STAR® 7.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 823x624 XGA: 1024x768, 1152x864, 1152x900 SXGA: 1280x1024
Presets / user settings	Standard presets: 20; user settings: 20

Features

- 19-inch Square IPS LED backlit panel
- Supports 1280x1024 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Mercury and arsenic free glass
- Low Halogen
- Recycled content in plastic material
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision LT1913p Square Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/- 45°
Rotating screen	Screen pivots 90 degrees from landscape to portrait
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

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Lenovo ThinkVision LT2024 Wide Specifications

Product Specifications Reference (PSREF)

Name	**LT2024 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60B9HAR1US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**20.0"** (**508mm**) diagonal
Max view area (W x H)	17.4" x 9.8" (442.8mm x 249.1mm)
Native resolution	**1600x900**
Aspect ratio	16:9
Pixel pitch (mm)	.276mm
Dot/Pixel per Inch	92 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.567" (14.4mm)
Dimensions (HxWxD)	13.68" H x 18.83" W x 6.33" D; 347.4mm H x 478.4mm W x 160.7mm D
Power supply	19 watts typical, 22 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	6.75 lb; 3.07 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	March 2014

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.2, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900
Presets / user settings	Standard presets: 24 user settings: 24

Features

- Widescreen 20-inch monitor
- Supports 1600x900 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Arsenic / Mercury free glass
- EPEAT Gold certified
- Support Lenovo Tiny PC and 3rd party thin client
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified



ThinkVision LT2024 Wide Monitor

Viewing adjustments	*Tilt:* 22° backward, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

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See footnotes for important warranty information
US model announced February 18, 2014

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Lenovo ThinkVision T1714

Product Specifications Reference (PSREF)

Name	**T1714 Square Flat Panel Monitor**
Case color	**Black**
Type-model	**60FDHAT1EU / 60FDHAR1US / 60FDHAT1EU**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**17.0"** (**432mm**) diagonal
Max view area (W x H)	13.3" x 10.6" (337.9mm x 270.3mm)
Optimum resolution	**1280x1024**
Aspect ratio	5:4
Pixel pitch (mm)	0.264mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.69" (17.5mm)
Dimensions (HxWxD, including stand)	14.72" H x 14.74" W x 7.87" D; 373.9mm H x 374.5mm W x 200mm D
Power supply	14.0 watts typical, 18.0 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	5.75 lb; 2.61kg
Limited warranty	**3 year** (includes backlight)
Available date	September 2015

Features

- 17-inch Square LCD monitor
- Supports SXGA 1280x1024 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Mercury Arsenic free glass
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified
- Microsoft Windows 8.1 certified
- Microsoft Windows 10 certified

VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® 7.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864, SXGA: 1280x800, 1280x1024
Presets / user settings	Standard presets: 17; user settings: 17



ThinkVision T1714 Monitor

Viewing adjustments	*Tilt:* 22° back, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup and brightness
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor and stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

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Lenovo ThinkVision T1714p

Product Specifications Reference (PSREF)

Name	**T1714p Square Flat Panel Monitor**
Case color	**Black**
Type-model	**60FELAT1US / 60FELAR1US / 60FELAT1EU**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**17.0"** (**432mm**) diagonal
Max view area (W x H)	13.3" x 10.6" (337.9mm x 270.3mm)
Optimum resolution	**1280x1024**
Aspect ratio	5:4
Pixel pitch (mm)	0.264mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt height adjustable stand
Bezel width	*Sides:* 0.69" (17.5mm)
Dimensions (HxWxD, including stand)	17.63" H x 14.74" W x 9.61" D; 447.9mm H x 374.5mm W x 244.2mm D
Power supply	14.0 watts typical, 18.0 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	8.71 lb; 3.95kg
Limited warranty	**3 year** (includes backlight)
Available date	September 2015

VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® 7.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864, SXGA: 1280x800, 1280x1024
Presets / user settings	Standard presets: 22; user settings: 22

Features

- 17-inch Square LCD monitor
- Supports SXGA 1280x1024 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Mercury Arsenic free glass
- Supports Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified
- Microsoft Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision T1714p Monitor

Viewing adjustments	*Tilt:* 22° back, -5° forward; *lift:* 4.3" (110mm)
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup and brightness
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant** (3) DisplayPort, digital, black, HDCP-compliant
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor and stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

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Lenovo ThinkVision T2054p Wide

Product Specifications Reference (PSREF)

Name	**T2054p Wide Flat Panel Monitor**
Bezel color	**Raven black**
Type-model	**60G1MAR2US / 60G1MAT2US / 60G1MAT2EU**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**19.5"** (**495mm**) diagonal
Max view area (W x H)	16.48" x 10.33" (418.6mm x 262.4mm)
Native resolution	**1440x900**
Aspect ratio	16:10
Pixel pitch (mm)	0.2915 x 0.2915 mm
Dot/Pixel per Inch	87 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt, swivel, and height adjustable stand
Bezel width	*Sides:* 0.67" (17.0mm)
Dimensions (HxWxD)	13.62" H x 17.88" W x 9.55" D; 345.9mm H x 454.2mm W x 242.6mm D
Power supply	14.5 watts typical, 21 watts maximum, <0.3 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	8.16 lb; 3.70 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2015

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA:	640x480, 720x400, 720x576
	SVGA:	800x600
	XGA:	1024x768, 1152x864
	SXGA:	1280x800, 1280x1024
	WXGA:	1366x768
	WXGA+:	1440x900
Presets / user settings	Standard presets: 22 user settings: 16	

Features

- Widescreen 19.5-inch monitor
- Supports 1440x900 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision T2054p Wide Monitor

Viewing adjustments	*Tilt:* 22° backward, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, **HDCP-compliant** (3) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

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Lenovo ThinkVision LT2423 Wide

Product Specifications Reference (PSREF)

Name	**LT2423 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60A8KAR2US / 60A8KAT2US / 60A8KAT2EU**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**24"** (**610mm**) diagonal
Max view area (W x H)	20.9" x 11.8" (531.4mm x 298.9mm)
Optimum resolution	**1920x1080**
Max pixel rate	205MHz
Aspect ratio	16:9
Pixel pitch (mm)	0.278mm
Dot/Pixel per Inch	92 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Contrast ratio	2000000:1
Pixel response time	5ms
Color gamut	72%
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.67" (17.0mm); *top:* 0.67" (17.0mm); *bottom:* 1.02" (26.0mm)
Dimensions (HxWxD, excluding stand)	13.53" H x 22.33" W x 1.97" D; 343.7mm H x 567.1mm W x 50.0mm D
Dimensions (HxWxD, including stand)	16.30" H x 22.33" W x 8.50" D; 414.3mm H x 567.1mm W x 216.7mm D
Power supply	21 watts typical, 31 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	8.30 lb; 3.76kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	July 2013
VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 6.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.2, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 24; User settings: 20

Features

- Widescreen 24-inch monitor
- Supports 1920x1080 resolution
- Two 3W stereo speakers
- Audio in (3.5mm)
- Supports VGA and HDMI 1.4 interfaces
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Microsoft® Windows® 8 certified
- Arsenic/Lead/Mercury free



ThinkVision LT2423 Wide Monitor

Viewing adjustments	*Tilt:* 22° back, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
Multimedia	Integrated stereo speakers (3 watts x 2)
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter Audio cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information

US model announced June 25, 2013

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Lenovo ThinkVision T2224d Wide

Product Specifications Reference (PSREF)

Name	**T2224d Wide Flat Panel Monitor**
Bezel color	**Black**
Type-model	**60EBJAR1US / 60EBJAT1US / 60EBJAT1EU**
Panel	TFT-LCD, Vertical Alignment panel (VA), White LED backlight
Viewable image size	**21.5"** (**546mm**) diagonal
Max view area (W x H)	18.74" x 10.54" (476.1mm x 267.8mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.248 x 0.248 mm
Dot/Pixel per Inch	102 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	3000:1 (typical)
Pixel response time	7ms (typical); 4ms (extreme mode)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.69" (17.6mm)
Dimensions (HxWxD)	15.02" H x 20.19" W x 8.06" D; 381.4mm H x 512.9mm W x 204.9mm D
Power supply	20 watts typical, 25 watts maximum <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	6.48 lb; 2.94 kg
Limited warranty	**3 year** (includes backlight)
Available date	July 2016

VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800 WXGA+: 1440x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 22; user settings: 22

Features

- Widescreen 21.5-inch monitor
- Supports 1920x1080 resolution
- Supports optional soundbar
- Supports ThinkCentre Tiny via VESA back mount
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified



ThinkVision T2224d Wide Monitor

Viewing adjustments	*Tilt:* 22° back, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub	None
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

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Lenovo ThinkVision T2224p Wide

Product Specifications Reference (PSREF)

Name	**T2224p Wide Flat Panel Monitor**
Bezel color	**Raven black**
Type-model	**60F4MAR6US / 60F4MAT6US / 60CAMAT6EU**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**21.5"** (**546mm**) diagonal
Max view area (W x H)	18.74" x 10.54" (476.1mm x 267.8mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.248 x 0.248 mm
Dot/Pixel per Inch	102 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.69" (17.6mm)
Dimensions (HxWxD)	13.56" H x 20.19" W x 9.55" D; 344.3mm H x 512.9mm W x 242.7mm D
Power supply	21 watts typical, 25 watts maximum (without USB 3.0 hub), 48 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	10.65 lb; 4.84 kg
Limited warranty	**3 year** (includes backlight)
Available date	March 2015

VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 27; user settings: 20

Features

- Widescreen 21.5-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision T2224p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	Screen pivots 90 degrees from landscape to portrait
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub	USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, **HDCP-compliant** (3) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

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Lenovo ThinkVision T2224z Wide

Product Specifications Reference (PSREF)

Name	**T2224z Wide Flat Panel Monitor**
Bezel color	**Raven black**
Type-model	**60F5MAR6US / 60F5MAT6US / 60F5MAT6EU**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**21.5"** (**546mm**) diagonal
Max view area (W x H)	18.74" x 10.54" (476.1mm x 267.8mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.248 x 0.248 mm
Dot/Pixel per Inch	102 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.69" (17.6mm)
Dimensions (HxWxD)	14.08" H x 20.19" W x 9.55" D; 357.8mm H x 512.9mm W x 242.7mm D
Power supply	21 watts typical, 25 watts maximum (without USB 3.0 hub), 45 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	10.63 lb; 4.83 kg
Limited warranty	**3 year** (includes backlight)
Available date	March 2015
VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 27; user settings: 20

Features

- Widescreen 21.5-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision T2224z Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	Screen pivots 90 degrees from landscape to portrait
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub	USB 3.0 Hub: 1 port into PC (USB 3.0); 2 ports for accessories (2 USB 3.0)
Multimedia	Integrated digital speakers (3 watts x 2)
Camera	Integrated camera (Full HD) and digital dual array microphone
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, **HDCP-compliant** (3) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

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Lenovo ThinkVision T2254p Wide

Product Specifications Reference (PSREF)

Name	**T2254p Wide Flat Panel Monitor**
Bezel color	**Raven black**
Type-model	**60CCMAR2US / 60CCMAT2US / 60CCMAT2EU**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**22.0"** (**559mm**) diagonal
Max view area (W x H)	18.70" x 11.70" (473.8mm x 296.1mm)
Native resolution	**1680x1050**
Aspect ratio	16:10
Pixel pitch (mm)	0.282 x 0.282 mm
Dot/Pixel per Inch	90 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.67" (17.1mm)
Dimensions (HxWxD)	14.63" H x 20.01" W x 9.55" D; 371.7mm H x 509.3mm W x 242.7mm D
Power supply	20 watts typical, 25 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	10.14 lb; 4.60 kg
Limited warranty	**3 year** (includes backlight)
Available date	March 2015

VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 WSXGA+: 1600x900, 1680x1050
Presets / user settings	Standard presets: 28; user settings: 20

Features

- Widescreen 22.0-inch monitor
- Supports 1680x1050 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision T2254p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	Screen pivots 90 degrees from landscape to portrait
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub	None
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, **HDCP-compliant** (3) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

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Lenovo ThinkVision T2324d Wide

Product Specifications Reference (PSREF)

Name	**T2324d Wide Flat Panel Monitor**
Bezel color	**Black**
Type-model	**60F3JAR2US / 60F3JAT2US / 60F3JAT2EU**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**23.0"** (**584mm**) diagonal
Max view area (W x H)	20.07" x 11.29" (509.8mm x 286.7mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.2655 x 0.2655 mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.68" (17.3mm)
Dimensions (HxWxD)	15.75" H x 21.48" W x 8.06" D; 400.3mm H x 545.8mm W x 204.9mm D
Power supply	20 watts typical, 27 watts maximum <0.3 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	7.06 lb; 3.20 kg
Limited warranty	**3 year** (includes backlight)
Available date	June 2016

VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 26; user settings: 16

Features

- Widescreen 23.0-inch monitor
- Supports 1920x1080 resolution
- Supports optional soundbar
- Supports ThinkCentre Tiny via VESA back mount
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified



ThinkVision T2324d Wide Monitor

Viewing adjustments	*Tilt:* 22° back, -5°
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub	None
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

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Lenovo ThinkVision T2324p Wide

Product Specifications Reference (PSREF)

Name	**T2324p Wide Flat Panel Monitor**
Bezel color	**Raven black**
Type-model	**60GBMAR1US / 60GBMAT1US / 60GBMAT1EU**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**23.0"** (**584mm**) diagonal
Max view area (W x H)	20.05" x 11.28" (509.2mm x 286.4mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.2652 x 0.2652 mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.68" (17.3mm)
Dimensions (HxWxD)	14.27" H x 21.48" W x 10.39" D; 362.5mm H x 545.8mm W x 264.2mm D
Power supply	21 watts typical, 25 watts maximum (without USB 3.0 hub), 49 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	11.90 lb; 5.40 kg
Limited warranty	**3 year** (includes backlight)
Available date	March 2015

VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 24; user settings: 20

Features

- Widescreen 23.0-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision T2324p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	Screen pivots 90 degrees from landscape to portrait
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub	USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, **HDCP-compliant** (3) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

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Lenovo ThinkVision T2364t Wide Touch

Product Specifications Reference (PSREF)

Name	**T2364t Wide Flat Panel Monitor**
Bezel color	**Black**
Type-model	**60E9MAR1US / 60E9MAT1US / 60E9MAT1EU**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**23.0"** (**584mm**) diagonal
Max view area (W x H)	20.05" x 11.28" (509.2mm x 286.4mm)
Native resolution	**1920x1080**
Touch	Supports 10-point touch
Aspect ratio	16:9
Pixel pitch (mm)	0.2652 x 0.2652 mm
Dot/Pixel per Inch	95 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.079" (2.0mm)
Dimensions (HxWxD)	12.53" H x 20.56" W x 2.86" D; 318.2mm H x 522.2mm W x 72.7mm D
Power supply	22 watts typical, 45 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	9.24 lb; 4.32 kg
Limited warranty	**3 year** (includes backlight)
Available date	June 2015

VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400, 700x570 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	User settings: 20

Features

- Widescreen 23.0-inch monitor
- Supports 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently
- EPEAT Gold certified
- 10-point touch screen
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified





ThinkVision T2364t

Viewing adjustments	*Tilt:* 10° - 70° degrees; detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub	USB 3.0 Hub: 1 port into PC (USB 3.0); 3 ports for accessories (3 USB 3.0)
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, HDMI at each end, digital, 1.8 meter (3) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter HDMI cable, 1.8 meter DisplayPort cable, 1.8 meter USB signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

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Lenovo ThinkVision T2424p Wide

Product Specifications Reference (PSREF)

Name	**T2424p Wide Flat Panel Monitor**
Bezel color	**Raven black**
Type-model	**60F7MAR1US / 60F7MAT1US / 60C8MAT1EU**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**23.8"** (**604.7mm**) diagonal
Max view area (W x H)	20.75" x 11.67" (527.0mm x 296.5mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.2745 x 0.2745 mm
Dot/Pixel per Inch	93 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.69" (17.5mm)
Dimensions (HxWxD)	14.67" H x 22.19" W x 10.39" D; 372.5mm H x 563.6mm W x 264.2mm D
Power supply	22 watts typical, 26 watts maximum (without USB 3.0 hub), 54 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.90 lb; 5.85 kg
Limited warranty	**3 year** (includes backlight)
Available date	March 2015
VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 22; user settings: 22

Features

- Widescreen 23.8-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision T2424p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	Screen pivots 90 degrees from landscape to portrait
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub	USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, **HDCP-compliant** (3) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

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Lenovo ThinkVision T2424z Wide

Product Specifications Reference (PSREF)

Name	**T2424z Wide Flat Panel Monitor**
Bezel color	**Raven black**
Type-model	**60F8MAR1US / 60F8MAT1US / 60F8MAT1EU**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**23.8"** (**604.7mm**) diagonal
Max view area (W x H)	20.75" x 11.67" (527.0mm x 296.5mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.2745 x 0.2745 mm
Dot/Pixel per Inch	92 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.69" (17.5mm)
Dimensions (HxWxD)	19.53" H x 22.19" W x 10.39" D; 496.0mm H x 563.6mm W x 264.2mm D
Power supply	22 watts typical, 40 watts maximum (without USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.90 lb; 5.85 kg
Limited warranty	**3 year** (includes backlight)
Available date	June 2016

VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 31; user settings: 20

Features

- Widescreen 23.8-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision T2424z Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	Screen pivots 90 degrees from landscape to portrait
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub	USB 3.0 Hub: 1 port into PC (USB 3.0); 2 ports for accessories (2 USB 3.0)
Multimedia	Integrated digital speakers (3 watts x 2)
Camera	Integrated camera (Full HD) and digital dual array microphone
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, **HDCP-compliant** (3) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

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Lenovo ThinkVision T2454p Wide

Product Specifications Reference (PSREF)

Name	**T2454p Wide Flat Panel Monitor**
Bezel color	**Raven black**
Type-model	**60F9MAR1US / 60F9MAT1US / 60F9MAT1EU**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**24.0"** (**609.6mm**) diagonal
Max view area (W x H)	20.41" x 12.76" (518.4mm x 324.0mm)
Native resolution	**1920x1200**
Aspect ratio	16:10
Pixel pitch (mm)	0.270 x 0.270 mm
Dot/Pixel per Inch	94 dpi
Brightness	300 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	77.4%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.74" (18.8mm)
Dimensions (HxWxD)	15.85" H x 21.94" W x 10.39" D; 402.5mm H x 557.4mm W x 264.2mm D
Power supply	24 watts typical, 27 watts maximum (without USB 3.0 hub), 54 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	13.60 lb; 6.15 kg
Limited warranty	**3 year** (includes backlight)
Available date	March 2015

VESA-compliant	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024 WXGA: 1280x720, 1280x768, 1280x800 WXGA+: 1440x900 WSXGA+: 1680x1050, 1600x1200 Full HD: 1920x1080, 1920x1200
Presets / user settings	Standard presets: 21; user settings: 20

Features

- Widescreen 24.0-inch monitor
- Supports 1920x1200 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision T2454p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	Screen pivots 90 degrees from landscape to portrait
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub	USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, **HDCP-compliant** (3) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DisplayPort cable, 1.8 meter USB signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

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Lenovo ThinkVision X24 Wide

Product Specifications Reference (PSREF)

Name	**X24 Wide Flat Panel Monitor**
Bezel color	**Raven black**
Type-model	**60FAGAR1US / 60FAGAT1US / 60FAGAT1EU**
Panel	TFT-LCD, AH-IPS (In-Plane Switching), White LED backlight
Viewable image size	**23.8"** (**604.5mm**) diagonal
Max view area (W x H)	20.75" x 11.67" (527.0mm x 296.5mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.2745 x 0.2745 mm
Dot/Pixel per Inch	92 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.08" (2.0mm)
Dimensions (HxWxD)	16.25" H x 21.30" W x 8.66" D; 412.8mm H x 540.9mm W x 220.0mm D
Power supply	20 watts typical, 27 watts maximum, <0.5 watts standby/suspend, universal, external power supply
Weight	8.60 lb; 3.90 kg
Limited warranty	**3 year** (includes backlight)
Available date	April 2015

Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 6.0, WEEE, RoHS, **EPEAT™ Silver rating**

Preset resolutions	VGA:	640x350, 640x480, 720x400
	SVGA:	800x600
	XGA:	1024x768
	SXGA:	1280x1024
	WXGA:	1366x768
	WXGA+:	1440x900, 1600x900
	WSXGA+:	1680x1050
	Full HD:	1920x1080
Presets / user settings	Standard presets: 20; user settings: 16	

Features

- Widescreen 23.8-inch monitor
- Supports 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Silver certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified



ThinkVision X24 Wide Monitor

Viewing adjustments	*Tilt:* 22° back, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls
Control features	Direct access (buttons on side bezel) for dual input and brightness
USB hub	None
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) HDMI (1.4), digital, **HDCP-compliant** (2) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, HDMI at each end, digital, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	None
Security	None

Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter HDMI signal cable (consumer channel only), 1.8 meter DisplayPort signal cable (commercial channel only), 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

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Lenovo ThinkVision X24 Pro Wide

Product Specifications Reference (PSREF)

Name	**X24 Pro Wide Flat Panel Monitor**
Bezel color	**Black**
Type-model	**60E4ECR1US / 60E4ECT1US / 60E4ECT1EU**
Panel	TFT-LCD, AH-IPS (In-Plane Switching), White LED backlight
Viewable image size	**23.8"** (**604.5mm**) diagonal
Max view area (W x H)	20.75" x 11.67" (527.0mm x 296.5mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.2745 x 0.2745 mm
Dot/Pixel per Inch	92 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.09" (2.3mm)
Dimensions (HxWxD)	17.61" H x 21.30" W x 9.39" D; 447.4mm H x 540.9mm W x 238.4mm D
Power supply	20 watts typical, 90 watts maximum, <0.5 watts standby/suspend, universal, external power supply
Weight	9.26 lb; 4.20 kg
Limited warranty	**1 year** (includes backlight)
Available date	July 2016

Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 6.0, WEEE, RoHS, **EPEAT™ Silver rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 16; user settings: 20

Features

- Widescreen 23.8-inch monitor
- Supports 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently
- EPEAT Silver certified
- Intel RealSense 3D camera
- Stereo speakers 3 watts x 2
- One cable docking through USB 3.1 Type C with power delivery
- Windows Hello certified
- Microsoft® Windows® 10 certified



ThinkVision X24 Pro Wide Monitor

Viewing adjustments	*Tilt:* 22° back, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls
Control features	Direct access (buttons on side bezel) for dual input and brightness
USB hub	USB Hub: two USB 3.0 Type-C and one USB 3.0 ports
Multimedia	Integrated stereo speakers (3 watts x 2), bulit-in microphone
Camera	RealSense 3D camera SR300
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) mDP, Mini DisplayPort, digital, **HDCP-compliant** (2) USB Type-C, digital
Signal cables	(1) detachable, mDP to DP, digital, 2.0 meter (2) DP to mDP adaptor (3) USB 3.0 cable
Mounting features	None
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, Safety and Warranty Information, 2.0 meter Mini DisplayPort to DisplayPort signal cable, ThinkPad 90W Square tip power adaptor

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

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Lenovo ThinkVision P27

Product Specifications Reference (PSREF)

Name	**P27 Wide Flat Panel Monitor**
Case color	**Black**
Type-model	**60E3GAR1US / 60E3GAT1US / 60E3GAT1EU**
Panel	TFT-LCD, IPS (In-Plane Switching), White LED backlight
Viewable image size	**27"** (**684.7mm**) diagonal
Max view area (W x H)	23.49" x 13.21" (596.7mm x 335.7mm)
Optimum resolution	**3840x2160**
Max pixel rate	600MHz
Aspect ratio	16:9
Pixel pitch (mm)	0.16 x 0.16mm
Dot/Pixel per Inch	163 dpi
Brightness	300 nits or cd/m^2 (typical)
Contrast ratio	1300:1 (typical)
Pixel response time	6ms
Color gamut	99%
Viewing angle at 10:1 CR	178° horizontal, 178° vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.088" (2.23mm)
Dimensions (HxWxD, including stand)	18.59" H x 24.19" W x 11.81" D; 472.3mm H x 614.5mm W x 299.9mm D
Power supply	40 watts typical, 70 watts maximum (with USB), <0.5 watts sleep/off; <0.5 watts switch off
Weight	15.12 lb; 6.86kg (including stand)
Limited warranty[4]	**3 year**
Available date	March 2016

Features

- 27-inch IPS LED backlit monitor with speaker
- Supports 3840x2160 resolution
- 5-Ports USB hub, support USB 3.0
- 3watts x 2 stereo speakers
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified



ThinkVision P27 Monitor

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 7.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA:	640x350, 640x480, 720x400
	SVGA:	800x600
	XGA:	1024x768, 1152x864
	SXGA:	1280x1024
	WXGA:	1280x720, 1280x768, 1280x800, 1360x768
	WXGA+:	1440x900, 1600x900
	WSXGA+:	1680x1050
	Full HD:	1920x1080, 1920x1200
	UHD:	3840x2160
Presets / user settings	Standard presets: 20; user settings: 20	

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 3.15" (80mm); *swivel:* +/-45°
Rotating screen	**Screen pivots 90 degrees from landscape to portrait**
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (touch buttons on front) for menu, mute, volume up/down, and brightness
USB hub	USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports
Multimedia	Integrated stereo speakers (3 watts x 2)
Camera	None
Multiple input	Support HDMI, DisplayPort
Monitor connectors	(1) HDMI (2.0), digital, **HDCP-compliant** (2) DisplayPort (1.2), digital, **HDCP-compliant**
Signal cables	(1) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord, mini DP to DP adapter, power adapter (90W)

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303

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See footnotes for important warranty information

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Lenovo ThinkVision Pro2820 Wide

Product Specifications Reference (PSREF)

Name	**Pro2820 Wide Flat Panel Monitor**
Case color	**Black**
Type-model	**60FCRAR6US / 60FCRAT6US / 60FCRAT6EU**
Panel	TFT-LCD, with wide viewing angle (WVA) technology, White LED backlight
Viewable image size	**28"** (**711mm**) diagonal
Max view area (W x H)	24.44" x 13.44" (620.9mm x 341.3mm)
Optimum resolution	**1920x1080**
Max pixel rate	205MHz (VGA); 165MHz(DP/ HDMI); 149MHz (MHL)
Frequency	Supports 1920 x 10800 @ 60Hz
Aspect ratio	16:9
Pixel pitch (mm)	0.32 x 0.32mm
Dot/Pixel per Inch	79 dpi
Brightness	300 nits or cd/m^2 (typical)
Contrast ratio	3000:1 (typical)
Pixel response time	6.5ms
Color gamut	72%
Viewing angle at 10:1 CR	178° horizontal, 178° vertical
Stand	Tilt, swivel, and height adjustable stand
Bezel width	*Sides:* 0.86" (21.85mm)
Dimensions (HxWxD, excluding stand)	17.45" H x 26.21" W x 2.30" D; 443.3mm H x 665.9mm W x 58.2mm D
Dimensions (HxWxD, including stand)	17.45" H x 26.21" W x 11.41" D; 443.3mm H x 665.9mm W x 289.9mm D
Power supply	60 watts typical, 90 watts typical (with USB), 65 watts maximum, 95 watts maximum (with USB), <1.2 watts sleep/off; <0.5 watts switch off integrated (no external brick-like power supply)
Weight	17.84 lb; 8.11kg (including stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2014

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 6.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.2, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA: 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1024x760 SXGA: 1280x1024 WXGA: 1280x720, 1280x800, 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080 Others: 1152x864
Presets / user settings	Standard presets: 17; user settings: 17

Features

- 28-inch MVA (Multi-domain Vertical Alignment) panel LED backlit monitor
- Supports 1920x1080 resolution
- 5-Ports USB hub, support USB 3.0
- Arsenic/Mercury free
- Microsoft® Windows® 7
- Windows 8/ Windows 8.1 certified



ThinkVision Pro2820 Monitor

Viewing adjustments	*Tilt:* 25° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°
Rotating screen	**Screen pivots 90 degrees from landscape to portrait**
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (touch buttons on front) for automatic image setup, input switch, and brightness
USB hub	USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports
Multimedia	None
Camera	None
Multiple input	Support VGA, HDMI, DisplayPort, MHL connections (Mobile High-definition Link)
Monitor connectors	(1) VGA 15-pin D-shell, analog (2) HDMI (1.4), digital, **HDCP-compliant** (3) DisplayPort (1.2), digital, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter VGA cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information

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Lenovo ThinkVision X1

Product Specifications Reference (PSREF)

Name	**X1 Wide Flat Panel Monitor**
Case color	**Black**
Type-model	**60E2GAR1US / 60E2GAT1US / 60E2GAT1EU**
Panel	TFT-LCD, IPS (In-Plane Switching), White LED backlight
Viewable image size	**27" (684.7mm)** diagonal
Max view area (W x H)	23.49" x 13.21" (596.7mm x 335.7mm)
Optimum resolution	**3840x2160**
Max pixel rate	600MHz
Aspect ratio	16:9
Pixel pitch (mm)	0.16 x 0.16mm
Dot/Pixel per Inch	163 dpi
Brightness	300 nits or cd/m^2 (typical)
Contrast ratio	1300:1 (typical)
Pixel response time	6ms
Color gamut	99%
Viewing angle at 10:1 CR	178° horizontal, 178° vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.088" (2.23mm)
Dimensions (HxWxD, including stand)	19.35" H x 24.19" W x 10.63" D; 491.4mm H x 614.5mm W x 270.0mm D
Power supply	40 watts typical, 130 watts maximum (with USB), <0.5 watts sleep/off; <0.5 watts switch off
Weight	14.11 lb; 6.40kg (including stand)
Limited warranty[4]	**3 year**
Available date	March 2016

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 7.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 7.0, RoHS, **EPEAT™ Silver rating**, ULE Gold

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x720, 1280x768, 1280x800, 1360x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080, 1920x1200 UHD: 3840x2160
Presets / user settings	Standard presets: 20; user settings: 20

Features

- 27-inch IPS LED backlit monitor with speaker
- Supports 3840x2160 resolution
- 5-Ports USB hub, support USB Type-C
- 3watts x 2 stereo speakers
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified



ThinkVision X1 Monitor

Viewing adjustments	*Tilt:* 22° back, -5° forward;
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (touch buttons on front) for menu, mute, volume up/down, and brightness
USB hub	USB Hub: one USB 3.0 Type-C upstream port, four USB 3.0 downstream ports
Multimedia	Integrated stereo speakers (3 watts x 2), bulit-in microphone
Camera	Full HD camera with LED light
Multiple input	Support HDMI, DisplayPort
Monitor connectors	(1) HDMI (1.4), digital, **HDCP-compliant** (2) DisplayPort (1.2), digital, **HDCP-compliant**
Signal cables	(1) detachable, HDMI at each end, digital, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter HDMI cable, 1.8 meter USB Type-C cable, 1.8 meter USB Type-C to Type-A cable, 1.8 meter black power cord, mini DP to DP adapter, power adapter (135W)

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, go to: http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. Lenovo makes no representation or warranty regarding third party products or services.

[1] **ISO-compliant:** Compliance with ISO 9241 Part 3, ISO Part 7, ISO Part 8, and/or ISO 13406 Part 2 is dependent on a complete ISO-capable platform of a system unit, monitor, video subsystem, operating system and fonts.

[2] **VESA:** Requires attachment to suitably configured system with similarly enabled operating system.

[3] **ENERGY STAR:** As an ENERGY STAR partner, Lenovo has determined that this product meets the ENERGY STAR 4.0 or 4.1 guidelines for energy efficiency. Requires attachment to suitably configured system.

[4] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[5] **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[6] **Lenovo pays all shipping costs** for warranty repairs during limited warranty period.

[7] **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.

[8] **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For machines with EasyServ or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.

[10] **TAA:** Monitor is compliant with the U.S. Federal Government's country-of-origin requirements prescribed in 48 C.F.R. Subpart 25.4; Trade Act Agreement (TAA) model.

[11] **Post-warranty annual maintenance agreement:** Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.

[12] **Halogen:** Less than 900 Parts Per Million. Low halogen is defined in accordance with IPC-401B and draft IPC-J-STD 709 Class 1 requirements.

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Visit **www.lenovo.com/psref** for the latest version of Product Specifications Reference.

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Lenovo
1009 Think Place
Morrisville, NC 27560
U.S.A.

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