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Version 515, November 2017

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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.

October 18, 2017 - Version 514

Additions in this update

►**New product(s)**
None

►**New model(s)**
ThinkPad T470 models announced October 2017
ThinkPad T470s models announced October 2017
ThinkPad T570 models announced October 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►**Withdrawn product(s)**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]
Starting at 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	Finger-print 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 (4th Gen) Platform Specifications

Processor

Intel® Celeron® processor or 7th Generation Intel Core™ i3 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics
Cel N3450	4	4	1.1 GHz	2.2 GHz	2MB	DDR3L-1600	Intel HD Graphics 500
i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620

Graphics

Intel HD Graphics 500 or 620 in processor,
supports external digital monitor via HDMI™;
supports dual independent display;
Max resolution: 1920X1080 (HDMI)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

4GB or 8GB / 1600MHz DDR3L or 2133MHz DDR4,
one DDR3L or DDR4 SO-DIMM socket

Display

11.6" (295mm) HD (1366x768), anti-glare, LED backlight,
250 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

Intel Dual Band Wireless-AC 7265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™

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

WWAN

None

Dimensions

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

Weight

Starting at 3.3 lb (1.52kg)

Case color

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

Case material

Display cover: PC+40%GF+TPU; *Bottom:* PC/ABS plastic

Media reader

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

Ports

Two USB 3.1 Gen 1 (USB 3.0), HDMI 1.4b, Ethernet (RJ-45)

Control buttons

Power button, volume control button

Camera

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Realtek® ALC3268 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

Discrete TPM 2.0, TCG Certified

vPro

None

Fingerprint reader

None

Battery

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

Max battery life

MobileMark® 2014: 13.65 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

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(HDD/SSD)	Optical	WLAN + Bluetooth	Color	Camera	Key-board	Finger-print Reader	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HV0000US	US	i3-7100U	No	Intel HD 620	8GBx1 DDR4-2133	11.6" HD (1366x768)	None	128GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20HV0001US	US	i3-7100U	No	Intel HD 620	4GBx1 DDR4-2133	11.6" HD (1366x768)	None	128GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20HV000MUS	US	Celeron N3450	No	Intel HD 500	4GBx1 DDR3L-1600	11.6" HD (1366x768)	None	128GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20HV000VUS	US	Celeron N3450	No	Intel HD 500	8GBx1 DDR3L-1600	11.6" HD (1366x768)	None	128GB SSD M.2	None	Intel 7265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20HV000XUS	US	Celeron N3450	No	Intel HD 500	8GBx1 DDR3L-1600	11.6" HD (1366x768)	None	256GB SSD M.2 Opal2	None	Intel 7265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20HV0015US	US	i3-7100U	No	Intel HD 620	8GBx1 DDR4-2133	11.6" HD (1366x768)	None	256GB SSD M.2 Opal2	None	Intel 7265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W	Win10 Pro 64	1-year, Depot	03/17

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ThinkPad 11e Chromebook (3rd Gen) 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]

Starting at 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

Lenovo
April 2017

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

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory (Soldered)	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Key-board	Finger-print 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 11e Chromebook (4th Gen) 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 N3450	4	4	1.1 GHz	2.2 GHz	2MB	LPDDR4-2400	Intel HD Graphics 500

Graphics	Intel HD Graphics 500 in processor
Chipset	Intel SoC (System on Chip) platform
Memory	4GB / 3200MHz LPDDR4 / soldered to systemboard, no sockets * System clocks down for processors with lower memory controller
Display	11.6" (295mm) HD (1366x768), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio
Multi-touch	None
Hinge	Normal hinge, 180 degree
Storage	32GB eMMC (embedded Multi Media Card) flash memory on board
Optical	None
Ethernet	None
WLAN	Intel Dual Band Wireless-AC 7265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
WWAN	None

Dimensions	*WxDxH:* 11.81" x 8.27" x 0.90"; 300mm x 210mm x 22.8mm
Weight	Starting at 3.2 lb (1.45kg)
Case color	*Display cover:* Graphite Black; *Bottom:* Graphite Black
Case material	*Display cover:* PC+40%GF+TPU; *Bottom:* PC/ABS plastic
Media reader	MicroSD card reader (MMC, SD, SDHC, SDXC)
Ports	One USB 3.1 Gen 1 (USB 3.0), two USB Type-C
Control buttons	None
Camera	HD720p resolution, low light sensitive, fixed focus
Audio support	Dialog Semiconductor DA7219 audio 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 2.0, TCG Certified
vPro	None
Fingerprint reader	None
Battery	Integrated Lithium Polymer 3-cell *(42Wh)*
Max battery life	Up to 11.84 hr
AC adapter	45W USB Type-C AC adapter
Preload	Google Chrome OS
Limited warranty	1-year depot repair service
Mil-Spec test	MIL-STD-810G military certification
Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

Lenovo
July 2017

Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	Color	Camera	Key-board	Finger-print Reader	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20J00000US	US	Celeron N3450	No	Intel HD 500	4GB Soldered	11.6" HD (1366x768)	None	32GB eMMC	None	Intel 7265 ac, 2x2 + BT4.1	Black	720p	Non-backlit	None	dTPM 2.0	3-cell (42Wh)	45W USB-C	Chrome OS	1-year, Depot	04/17

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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 610
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 610 or 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 (FHD only)

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 the accessional ThinkPad OneLink+ to RJ45 Adapter (4X90K06975) or ThinkPad OneLink+ to VGA/RJ45 adapter (4X90J31060) (by native Intel Ethernet Connection I219-V (*Non-vPro*) or I219-LM (*vPro*))

WLAN — Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, 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 — Starting at 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 3.1 Gen 1 (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

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(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
20J10022US	US	i5-7200U	No	Intel HD 620	4GBx1	13.3" HD (1366x768)	None	180GB 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	01/17
20J10023US	US	i3-7100U	No	Intel HD 620	4GBx1	13.3" HD (1366x768)	None	180GB 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	01/17
20J10024US	US	i5-7300U	vPro	Intel HD 620	4GBx1	13.3" HD (1366x768)	None	180GB 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	3-year, Depot	03/17
20J10025US	US	i5-7300U	vPro	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	03/17
20J10045US	US	Celeron 3865U	No	Intel HD 610	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	3-year, Depot	03/17
20J10046US	US	Celeron 3865U	No	Intel HD 610	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	03/17
20J10047US	US	Celeron 3865U	No	Intel HD 610	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	3-year, Depot	03/17
20J10048US	US	Celeron 3865U	No	Intel HD 610	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	3-year, Depot	03/17
20J10049US	US	Celeron 3865U	No	Intel HD 610	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	3-year, Depot	03/17

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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)
20J1004AUS	US	Celeron 3865U	No	Intel HD 610	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	03/17
20J1004BUS	US	Celeron 3865U	No	Intel HD 610	4GBx2	13.3" FHD (1920x1080) IPS	10-point Multi-touch	128GB SSD M.2	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	03/17
20J1004CUS	US	Celeron 3865U	No	Intel HD 610	4GBx2	13.3" HD (1366x768)	None	128GB SSD M.2	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	03/17

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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]

Starting at 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]

10 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

Lenovo
November 2016

Model	Region	Processor	vPro	Graphics	Storage	Memory (Soldered)	Display	Multi-touch	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	16GB eMMC	4GB Soldered	13.3" HD (1366x768) Anti-glare	None	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	16GB eMMC	4GB Soldered	13.3" HD (1366x768) Anti-glare	None	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	32GB eMMC	8GB Soldered	13.3" FHD (1920x1080) IPS Anti-glare	None	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	32GB eMMC	8GB Soldered	13.3" HD (1366x768) Anti-glare	None	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	16GB eMMC	4GB Soldered	13.3" FHD (1920x1080) IPS Glossy	10-point Multi-touch	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	32GB eMMC	8GB Soldered	13.3" FHD (1920x1080) IPS Glossy	10-point Multi-touch	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	16GB eMMC	4GB Soldered	13.3" FHD (1920x1080) IPS Glossy	10-point Multi-touch	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 A275 Platform Specifications

Processor

AMD PRO A-Series APUs

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
PRO A10-8730B	4	4	2.4 GHz	3.3 GHz	2MB	DDR4-1866	AMD Radeon™ R5 Graphics
PRO A12-8830B			2.5 GHz	3.4 GHz			AMD Radeon R7 Graphics
PRO A10-9700B			2.5 GHz	3.4 GHz			
PRO A12-9800B			2.7 GHz	3.6 GHz			

** Windows 7 is only supported by PRO A10-8730B and PRO A12-8830B*

Graphics

AMD Radeon R5 or R7 Graphics in processor only;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2160@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)

Chipset

AMD SoC (System on Chip) platform

Memory

16GB max / 1866MHz DDR4, one DDR4 SO-DIMM socket

Display

Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
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 *(opt)*

On-cell touch, supports 10-finger gesture (FHD only, US only)

Storage

System has one HDD slot or one M.2 2280 slot exclusively for storage
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s

Optical

None

Ethernet

Realtek® RTL8111EPV Gigabit Ethernet connection

WLAN
Bluetooth™

Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** WLAN card supports BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

One of the following, configurable by model:
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) SIM card

Dimensions

WxDxH: 12.03" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm

Weight

Models	*No + 3-cell*	*3-cell + 3-cell*	*3 + 6-cell*
Weight	2.79 lb / 1.27 kg	2.98 lb / 1.36 kg	3.33 lb / 1.52 kg

Case color

Black

Case material

Glass-Fiber Reinforced Plastic

Smart card reader

Optional: Smart card reader

Media reader

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

Ports

Two USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45)

Monitor cable *(optional)*

HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
USB-C to VGA: Lenovo USB-C to VGA Adapter
USB-C to DP: Lenovo USB-C to DisplayPort Adapter

Camera *(optional)*

HD720p resolution, 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, 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

dTPM 1.2: discrete TPM 1.2, TCG Certified
dTPM 2.0: discrete TPM 2.0, TCG Certified

Fingerprint reader

*Optional:*Touch style match on chip fingerprint reader on the palm rest

NFC

None

Internal battery

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

External battery

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

Max battery life (*MobileMark® 2014*)

Models	*No + 3-cell*	*3-cell + 3-cell*	*3-cell + 6-cell 48Wh*
Max battery life	5.05 hr	10.1 hr	15.6 hr

AC adapter

45W AC adapter (slim tip) or 45W USB Type-C AC adapter

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo PowerEngage
- ThinkVantage Product 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 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

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(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20KD0013US	US	AMD PRO A12-9800B	AMD R7 Graphics	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/17
20KD0014US	US	AMD PRO A12-9800B	AMD R7 Graphics	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/17
20KD0015US	US	AMD PRO A12-9800B	AMD R7 Graphics	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	09/17
20KD0016US	US	AMD PRO A12-9800B	AMD R7 Graphics	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	1-year, Depot	09/17
20KD0017US	US	AMD PRO A10-9700B	AMD R7 Graphics	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	1-year, Depot	09/17
20KD0018US	US	AMD PRO A10-8730B	AMD R5 Graphics	8GBx1	12.5" FHD (1920x1080) IPS	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	09/17
20KD0019US	US	AMD PRO A10-8730B	AMD R5 Graphics	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/17
20KD001AUS	US	AMD PRO A10-8730B	AMD R5 Graphics	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	09/17

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ThinkPad A475 Platform Specifications

Processor

AMD PRO A-Series APUs

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
PRO A10-8730B	4	4	2.4 GHz	3.3 GHz	2MB	DDR4-1866	AMD Radeon™ R5 Graphics
PRO A12-8830B			2.5 GHz	3.4 GHz			AMD Radeon R7 Graphics
PRO A10-9700B			2.5 GHz	3.4 GHz			
PRO A12-9800B			2.7 GHz	3.6 GHz			

** Windows 7 is only supported by PRO A10-8730B and PRO A12-8830B*

Graphics

AMD Radeon R5 or R7 Graphics in processor only;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2160@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)

Chipset

AMD SoC (System on Chip) platform

Memory

32GB max / 1866MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets

Display

Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 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, 170° viewing angle

Multi-touch *(opt)*

On-cell touch, supports 10-finger gesture (FHD panel with Mg cover only, US only)

Storage

System has one HDD slot or one M.2 2280 slot exclusively for storage
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s

Optical

None

Ethernet

Realtek® RTL8111EPV Gigabit Ethernet connection

WLAN
Bluetooth™

Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** WLAN card supports BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

One of the following, configurable by model:
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) SIM card

Dimensions

WxDxH: 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm

Weight

Models	*3-cell or 3 + 3-cell*	*6-cell or 3 + 6-cell*
Magnesium	3.49 lb / 1.58 kg	3.92 lb / 1.78 kg
PPS	3.63 lb / 1.65 kg	4.35 lb / 1.85 kg

Case color

Black

Case material

Display cover: Magnesium Hybrid or PPS;
Bottom: Glass-Fiber Reinforced Plastic

Smart card reader

Optional: Smart card reader

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I

Ports

Three USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2, HDMI 1.4b, Ethernet (RJ-45), Dock connector

Monitor cable

Optional: Lenovo USB-C to VGA Adapter

Camera *(optional)*

HD720p resolution, 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, 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

dTPM 1.2: discrete TPM 1.2, TCG Certified
dTPM 2.0: discrete TPM 2.0, TCG Certified

Fingerprint reader

Optional: Touch style match on chip fingerprint reader on the keyboard bezel

NFC

None

Internal battery

Optional: Integrated Li-Polymer 3-cell *(24Wh)*

External battery

Li-Polymer 3-cell *(24Wh)* or Li-Ion 6-cell *(48Wh)*

Max battery life (*MobileMark® 2014*)

Models	*3-cell*	*3 + 3-cell*	*6-cell 48Wh*	*3 + 6-cell 48Wh*
Max battery life	5.13 hr	10.26 hr	10.26 hr	15.4 hr

AC adapter

45W or 65W AC adapter (slim tip), 45W or 65W USB Type-C AC adapter

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo PowerEngage
- ThinkVantage Product 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 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

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(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20KL0016US	US	AMD PRO A10-9700B	AMD R7 Graphics	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	1-year, Depot	09/17
20KL0017US	US	AMD PRO A12-9800B	AMD R7 Graphics	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	1-year, Depot	09/17
20KL0018US	US	AMD PRO A12-9800B	AMD R7 Graphics	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	09/17
20KL0019US	US	AMD PRO A12-9800B	AMD R7 Graphics	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	09/17
20KL001AUS	US	AMD PRO A12-9800B	AMD R7 Graphics	16GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	09/17
20KL001BUS	US	AMD PRO A10-8730B	AMD R5 Graphics	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	09/17
20KL001CUS	US	AMD PRO A10-8730B	AMD R5 Graphics	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	09/17
20KL001DUS	US	AMD PRO A10-8730B	AMD R5 Graphics	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	09/17

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ThinkPad E460 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	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

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 Types	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

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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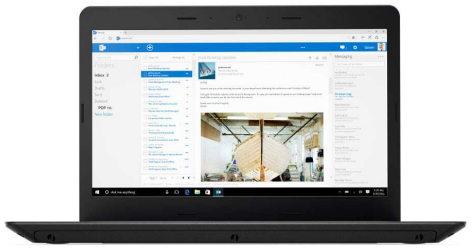

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ThinkPad E470 Platform Specifications

Processor

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

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Controller	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		
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i3-7100U			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		

* i5-6200U, i7-6500U are not available in EMEA

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

Memory

32GB max / 2133MHz DDR4, non-parity, dual-channel capable,
two 260-pin SO-DIMM sockets
* System clocks down for processors with lower 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
Some: 14.0" (355mm) FHD (1920x1080), 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:
- 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 (in EMEA only black color available)
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:
fTPM2.0: 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 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	3-cell (45Wh)	45W	Win10 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	3-cell (45Wh)	45W	Win10 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	3-cell (45Wh)	45W	Win10 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	Win10 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	3-cell (45Wh)	65W	Win10 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	3-cell (45Wh)	45W	Win10 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	3-cell (45Wh)	65W	Win10 Pro 64	1-year, Depot	09/16
20H10055US	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	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	Win10 Pro 64	1-year, Depot	03/17
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	Win10 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	Win10 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	Win10 Pro 64	1-year, Depot	01/17
20H10065US	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	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H10066US	US	i7-6500U	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	3-cell (45Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H10067US	US	i5-6200U	No	Intel HD 520	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	3-cell (45Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H10068US	US	i7-6500U	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	3-cell (45Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H10069US	US	i5-6200U	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	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H1006AUS	US	i5-6200U	No	Intel HD 520	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	3-cell (45Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H1006DUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	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	Win10 Pro 64	1-year, Depot	03/17
20H1006GCA	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	None	dTPM 2.0	3-cell (45Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H1006GCC	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	None	dTPM 2.0	3-cell (45Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17

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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)
20H1006GUS	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	None	dTPM 2.0	3-cell (45Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17

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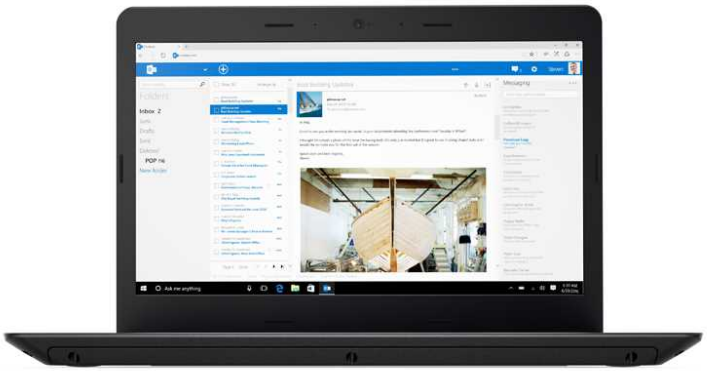



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ThinkPad E475 Platform Specifications

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 / 2133MHz 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	QCA435 ac, 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	QCA435 ac, 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	QCA435 ac, 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	QCA435 ac, 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	QCA435 ac, 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	QCA435 ac, 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 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

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 Types	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

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

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

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Controller	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		
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i3-7100U			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		

* i5-6200U, i7-6500U are not available in EMEA

Graphics

Intel HD Graphics in processor only, or
NVidia GeForce 940MX Graphics, 2GB DDR5 memory, or
NVidia GeForce GTX 950M 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

Memory

32GB max / 2133MHz DDR4, non-parity, dual-channel capable,
two 260-pin SO-DIMM sockets
* System clocks down for processors with lower 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
Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight,
250 nits, 16:9 aspect ratio, 600:1 contrast ratio

Multi-touch

None

Storage

Up to 2 drives (one M.2 SSD and one HDD)
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,
optional one USB 3.1 Type-C (standard for i5, i7 models in EMEA)

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

LCD Rear : Black, Silver, Gold (in EMEA only black color available)
Base Cover: Black
Top Cover: Black, Silver

Case material (*LCD Rear)*

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

fTPM2.0: Firmware TPM 2.0, integrated in chipset
dTPM2.0: 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:* No operating system
Some: Windows 10 Home 64

- 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	Optional Ports	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color (LCD_Rear, Top_Cover)	Case Material	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H50042US	US	i3-7100U	No	Intel HD 620	None	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Win10 Pro 64	1-year, Depot	09/16
20H50043US	US	i7-7500U	No	GTX 950M 2GB	None	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	90W	Win10 Pro 64	1-year, Depot	09/16
20H50044US	US	i3-6006U	No	Intel HD 520	None	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	None	dTPM 2.0	4-cell (41Wh)	45W	Win10 Pro 64	1-year, Depot	11/16
20H50045US	US	i5-7200U	No	Intel HD 620	None	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Win10 Pro 64	1-year, Depot	09/16
20H50047US	US	i7-7500U	No	GTX 950M 2GB	None	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	90W	Win10 Pro 64	1-year, Depot	09/16
20H50048US	US	i5-7200U	No	Intel HD 620	None	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Win10 Pro 64	1-year, Depot	09/16
20H5007UUS	US	i3-7100U	No	Intel HD 620	None	4GBx1	15.6" HD (1366x768)	None	180GB SSD M.2 Opal2	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Win10 Pro 64	1-year, Depot	01/17
20H5007VUS	US	i5-6200U	No	940MX 2GB	None	8GBx1	15.6" HD (1366x768)	None	180GB SSD M.2 Opal2	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	65W	Win10 Pro 64	1-year, Depot	01/17
20H5007WUS	US	i5-6200U	No	940MX 2GB	None	4GBx1	15.6" HD (1366x768)	None	180GB SSD M.2 Opal2	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	65W	Win10 Pro 64	1-year, Depot	01/17
20H5009FUS	US	i3-6006U	No	Intel HD 520	None	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H5009GUS	US	i7-6500U	No	940MX 2GB	None	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H5009HUS	US	i3-6006U	No	Intel HD 520	None	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	None	dTPM 2.0	4-cell (41Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H5009JUS	US	i7-6500U	No	940MX 2GB	None	8GBx1	15.6" FHD (1920x1080) IPS	None	128GB SSD M.2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H5009KUS	US	i5-6200U	No	Intel HD 520	None	4GBx1	15.6" HD (1366x768)	None	128GB SSD M.2	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H5009LUS	US	i5-6200U	No	Intel HD 520	None	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H5009MUS	US	i7-6500U	No	940MX 2GB	None	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	FW TPM 2.0	4-cell (41Wh)	65W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H5009NUS	US	i5-6200U	No	Intel HD 520	None	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20H500A9US	US	i5-7200U	No	Intel HD 620	None	8GBx1	15.6" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20H500AAUS	US	i5-7200U	No	Intel HD 620	None	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black, Black	PC/ABS	Fingerprint Reader	dTPM 2.0	4-cell (41Wh)	45W	Win10 Pro 64	1-year, Depot	03/17

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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 / 2133MHz 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	QCA435 ac, 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	QCA435 ac, 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	QCA435 ac, 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	QCA435 ac, 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	QCA435 ac, 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	QCA435 ac, 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	QCA435 ac, 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 L470 Platform Specifications

Processor

6th Generation Intel® Core™ i3 / i5 / i7 Processor
(i7 processor is not available in EMEA) or

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
i5-6200U			2.3 GHz	2.8 GHz	3MB		
i5-6300U			2.4 GHz	3.0 GHz	3MB		

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 3965U	2	2	2.2 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610
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		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics

Intel HD Graphics 610 or 620 in processor only, or
Intel HD Graphics 620 in processor and AMD Radeon™ R5 M430, 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 / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets
* System clocks down for processors with lower memory controller

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, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle

Multi-touch

None

Storage

System has one HDD slot or one M.2 2280 slot exclusively for storage
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s
Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN

Optical

None

Ethernet

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

WLAN

One of the following, configurable by model:
- Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

One of the following, configurable by model:
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card
- Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions

WxDxH: 13.35" x 9.25" x 0.94"; 339mm x 235mm x 23.9mm

Weight

Models	*3-cell*	*6-cell*
Integrated model	4.13 lb / 1.87 kg	4.45 lb / 2.02 kg
discrete model	4.16 lb / 1.89 kg	4.48 lb / 2.03 kg

Case color

Black

Case material

PC/ABS plastic

Smart card reader

Optional: Smart card reader

Media reader

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

Ports

Three USB 3.1 Gen 1 (USB 3.0, one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector

Camera *(optional)*

HD720p resolution, fixed focus

Audio support

HD Audio, Realtek ALC3268 codec / stereo speakers, 1W 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 2.0, TCG Certified

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: Swipe style fingerprint reader on the keyboard bezel

NFC

None

Battery

Li-Ion 3-cell *(24Wh)* or 6-cell *(48Wh or 72Wh)*

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

Models	*3-cell*	*6-cell 48Wh*	*6-cell 72Wh*
Integrated model	7.24 hr	14.48 hr	21.72 hr
discrete model	4.34 hr	8.68 hr	13.02 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
- Lenovo PowerEngage
- ThinkVantage Product 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 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

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(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20J4000RUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/17
20J4000SUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20J4000TUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/17
20J4000UUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20J40012US	US	i3-7100U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/17
20J40013US	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/17
20J40014US	US	i5-7300U	vPro	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/17
20J40015US	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	01/17
20J40016US	US	i5-7200U	No	Intel HD 620	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20J4003EUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20J4003FUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20J4003GUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	04/17

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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	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20JU0008US	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	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU0009US	US	i5-6200U	No	Intel HD 520	8GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000AUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000BUS	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	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000CUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000DUS	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	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000EUS	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	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000FUS	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	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000QUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000RUS	US	i5-6200U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000WUS	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	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	05/17
20JU0018US	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	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	05/17
20JU0019US	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	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/17

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ThinkPad L570 Platform Specifications

Processor

6th Generation Intel® Core™ i3 / i5 / i7 Processor
(i7 processor is not available in EMEA) or

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		

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 3965U	2	2	2.2 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610
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		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics
Intel HD Graphics 520, 610, or 620 in processor only;
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 / 2133MHz DDR4, dual-channel capable, two DDR4 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, 220 nits, 16:9 aspect ratio, 400:1 or 500:1 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: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s
Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN

Optical *(optional)*
DVD-ROM or 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
One of the following, configurable by model:
- Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card (US only)
- Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™
Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*
One of the following, configurable by model:
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card
- Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)

SIM card *(opt)*
Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions
WxDxH: 14.84" x 10.04" x 1.08-1.21"; 377mm x 255mm x 27.6-30.85mm

Weight
Starting at 5.25 lb / 2.38 kg

Case color
Black

Case material
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
Four USB 3.1 Gen 1 (USB 3.0, one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector

Monitor cable
Optional: Lenovo Mini-DisplayPort to DisplayPort Monitor Cable (MiniDP to DP)

Camera *(optional)*
HD720p resolution, 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 2.0, TCG Certified

vPro *(optional)*
Intel vPro Technology

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

NFC
None

Battery
Li-Ion 6-cell *(48Wh)*

Max battery life
MobileMark® 2014: 14.8 hr

AC adapter
45W AC adapter

Preload
Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo PowerEngage
- ThinkVantage Product 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 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

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(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	ExpressCard	Monitor Cable	Camera	Key-board	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20J8000WUS	US	i3-7100U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J8000XUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J8000YUS	US	i5-7300U	vPro	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J80010US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J80011US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J80012US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J80013US	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J80014US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J80015US	US	i3-7100U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J80016US	US	i3-7100U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J80017US	US	i5-7300U	vPro	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20J8002EUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	ExpressCard / 34	None	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20J8002FUS	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20J8002GUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20J8002LUS	US	i7-7500U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	06/17
20J8002MUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	Fingerprint Reader	dTPM 2.0	6-cell (48Wh)	45W	Win10 Pro 64	3-year, Depot	06/17

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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	ExpressCard	Monitor Cable	Camera	Key-board	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20JQ000UUS	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	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	06/17
20JQ000VUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	06/17
20JQ000WUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JQ000XUS	US	i3-6006U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	06/17
20JQ000YUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JQ0010US	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	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JQ0011US	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	06/17

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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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ThinkPad P51 Platform Specifications

Processor

7th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v6 Family

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i7-7700HQ	4	8	2.8 GHz	3.8 GHz	6MB	DDR4-2400	Intel HD Graphics 630
i7-7820HQ			2.9 GHz	3.9 GHz	8MB		
E3-1505M v6			3.0 GHz	4.0 GHz			Intel HD Graphics P630
E3-1535M v6			3.1 GHz	4.2 GHz			

Graphics

Intel HD Graphics 630 or P630 in processor and
NVIDIA Quadro® M1200 or M2200, 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); 4096x2160@24Hz (HDMI)

Chipset

Mobile Intel CM238 Chipset

Memory

64GB max[7] / 2400MHz 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, 700:1 contrast ratio, 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, 170° viewing angle

Multi-touch *(opt)*

Capacitive-type multi-touch, supports 10-finger gesture, 220 nits (FHD only)

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 / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™

Optical

None

Ethernet

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

WLAN

Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

One of the following, configurable by model:
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions

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

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 color

Black

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 3.1 Gen 1 (USB 3.0, one Always On), USB Type-C / Thunderbolt 3, Mini DisplayPort 1.2a, HDMI 1.4b, Ethernet (RJ-45), Dock connector

Camera *(optional)*

HD720p resolution, 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 Mylar surface multi-touch touchpad

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

Touch style match on chip fingerprint reader on the palm rest

Color calibration

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

NFC

None

Battery

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

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

Model	*4-cell*	*6-cell*
Discrete Graphics	4.5 hr	6.1 hr
Hybrid Graphics	6.5 hr	8.9 hr

AC adapter

170W 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

Mil-Spec test

MIL-STD-810G military certification

Environment

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

Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HH0004US	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH0005US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH0006US	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH0007US	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH0008US	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH0009US	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000AUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000BUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000CUS	US	i7-7820HQ	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000DUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000EUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000FUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000GUS	US	i7-7820HQ	vPro	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000HUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000JUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000KUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000LUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000MUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000NUS	US	i7-7820HQ	vPro	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000PUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17

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Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HH000QUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000RUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000SUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000TUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000UUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000VUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000WUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000XUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH000YUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH0010US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH0011US	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH0012US	US	i7-7820HQ	vPro	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH0013US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	03/17
20HH002LUS	US	i7-7820HQ	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	05/17
20HH002MUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	05/17
20HH002NUS	US	i7-7820HQ	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	05/17
20HH002PUS	US	i7-7820HQ	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	05/17
20HH002QUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W	Win10 Pro 64	3-year, Depot	05/17

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ThinkPad P51s 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
i7-6500U	2	4	2.5 GHz	3.1 GHz	4MB	DDR4-2133	Intel HD Graphics 520
i7-6600U			2.6 GHz	3.4 GHz	4MB		

or 7th Generation Intel Core i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-7300U	2	4	2.6 GHz	3.5 GHz	3MB	DDR4-2133	Intel HD Graphics 620
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics

Intel HD Graphics 520 or 620 in processor and
NVIDIA Quadro® M520, 2GB 2.5GHz GDDR5 memory;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2304@60Hz (USB Type-C); 3840x2160@30Hz (HDMI)

Chipset

Intel SoC (System on Chip) platform

Memory

32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets
* System clocks down for processors with lower memory controller

Display

Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle
Some: 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle

Multi-touch *(opt)*

On-cell touch, supports 10-finger gesture (FHD only)

Storage

System has one HDD slot or one M.2 2280 slot exclusively for storage
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s
Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig

Optical

None

Ethernet

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

WLAN

One of the following, configurable by model (WiGig can coexist with WWAN):
- Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

One of the following, configurable by model (WWAN can coexist with WiGig):
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card
- Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions

WxDxH: 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm

Weight

Models	*4 + 3-cell*	*6-cell*	*4 + 6-cell*
Non-touch model	4.39 lb / 1.99 kg	4.80 lb / 2.18 kg	4.80 lb / 2.18 kg
Multi-touch model	4.44 lb / 2.01 kg	4.85 lb / 2.20 kg	4.85 lb / 2.20 kg

Case color

Black

Case material

Display cover: Glass-Fiber Reinforced Plastic (PPS);
Bottom: Glass-Fiber Reinforced Plastic

Smart card reader

Optional: Smart card reader

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I

Ports

Three USB 3.1 Gen 1 (USB 3.0, one Always On),
USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45),
Dock connector

WiGig dock *(opt)*

ThinkPad WiGig dock

Monitor cable *(optional)*

HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
USB-C to VGA: Lenovo USB-C to VGA Adapter

Camera *(optional)*

720p: HD720p resolution, fixed focus
IR & 720p: IR camera and HD720p camera (mutually exclusive with WiGig)

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™

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 2.0, TCG Certified

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: Touch style match on chip fingerprint reader on the palm rest

NFC *(optional)*

Near Field Communication

Internal battery

Optional: Integrated Li-Polymer 4-cell *(32Wh)*

External battery

Li-Polymer 3-cell *(24Wh)* or Li-Ion 6-cell *(48Wh or 72Wh)*

Max battery life (*MobileMark® 2014*)

Models	*4 + 3-cell*	*6-cell 48Wh*	*6-cell 72Wh*	*4 + 6-cell 48Wh*	*4 + 6-cell 72Wh*
Max battery life	13.8 hr	12.5 hr	18.5 hr	20.0 hr	26.8 hr

AC adapter

65W AC adapter (slim tip), 65W USB Type-C AC adapter

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo PowerEngage
- ThinkVantage Product 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 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

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(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HB0004US	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB 5400rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	03/17
20HB000AUS	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	03/17
20HB000WUS	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB000XUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB000YUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" 4K (3840x2160) IPS	None	1TB 5400rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0010US	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0011US	US	i7-7600U	vPro	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0012US	US	i7-7600U	vPro	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0013US	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" 4K (3840x2160) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0014US	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0015US	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	03/17
20HB0016US	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0017US	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 6-cell(72Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0018US	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0019US	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB 5400rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001AUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001BUS	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB 5400rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001CUS	US	i7-7600U	vPro	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001DUS	US	i5-7300U	vPro	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001EUS	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17

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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	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HB001FUS	US	i5-7300U	vPro	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001GUS	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001HUS	US	i5-7300U	vPro	M520 2GB	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001JUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" 4K (3840x2160) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001KUS	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	03/17
20HB001NUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	05/17
20HB001PUS	US	i7-7500U	No	M520 2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	05/17
20HB001QUS	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	05/17
20HB001RUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	05/17
20HB001SUS	US	i7-7500U	No	M520 2GB	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	05/17
20HB001TUS	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	05/17
20HB001UUS	US	i7-7500U	No	M520 2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	05/17
20HB001VUS	US	i7-7500U	No	M520 2GB	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	05/17
20HB001XUS	US	i7-7500U	No	M520 2GB	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 Pro 64	3-year, Depot	05/17

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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	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20JY0004US	US	i7-6500U	No	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY0005US	US	i7-6500U	No	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY0006US	US	i7-6500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY0007US	US	i7-6500U	No	M520 2GB	8GBx2	15.6" 4K (3840x2160) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY0008US	US	i7-6500U	No	M520 2GB	8GBx2	15.6" 4K (3840x2160) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY0009US	US	i7-6500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY000AUS	US	i7-6500U	No	M520 2GB	16GBx2	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY000BUS	US	i7-6500U	No	M520 2GB	8GBx2	15.6" 4K (3840x2160) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY000CUS	US	i7-6500U	No	M520 2GB	16GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W	Win10 DG Win7 Pro 64	3-year, Depot	03/17

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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:* starting at 7.3 lb (3.3kg);
- *Multi-touch model:* starting at 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
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
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
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

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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)
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 P71 Platform Specifications

Processor

7th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v6 Family

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i7-7700HQ	4	8	2.8 GHz	3.8 GHz	6MB	DDR4-2400	Intel HD Graphics 630
i7-7820HQ			2.9 GHz	3.9 GHz	8MB		
E3-1505M v6			3.0 GHz	4.0 GHz			Intel HD Graphics P630
E3-1535M v6			3.1 GHz	4.2 GHz			

Graphics

Intel HD Graphics 630 or P630 in processor and
NVIDIA Quadro® M620 (2GB memory), M2200 (4GB memory),
P3000 (6GB memory), P4000 (8GB memory), or P5000 (16GB 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); 4096x2160@24Hz (HDMI)

Chipset

Mobile Intel CM238 Chipset

Memory

64GB max / 2400MHz 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

None

Pen

None

Storage

Up to 4 drives (two M.2 SSD and two HDD, one of which is in the optical bay)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, 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
Bluetooth™

Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

One of the following, configurable by model:
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions

WxDxH: 16.38" x 10.85" x 1.18-1.35"; 416mm x 275.5mm x 29.9-34.2mm

Weight

Starting at 7.3 lb (3.3kg)

Case color

Black

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 3.1 Gen 1 (USB 3.0, one Always On), two USB Type-C / Thunderbolt 3, Mini DisplayPort 1.2a, HDMI 1.4b, Ethernet (RJ-45), Dock connector

Monitor cable

Optional: Lenovo Mini-DisplayPort to DisplayPort Monitor Cable

Camera *(optional)*

HD720p resolution, fixed focus

Audio support

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

Keyboard
UltraNav™

6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight
3-button TrackPoint® pointing device and
3-button Mylar surface multi-touch touchpad

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

Touch style match on chip fingerprint reader on the keyboard bezel

Color calibration

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

NFC

None

Battery

Li-Ion 8-cell *(96Wh)*

Max battery life (*MobileMark® 2014*)

Mode	*Discrete Graphics*	*Hybrid Graphics*
Max battery life	9.8 hr	14.25 hr

AC adapter

170W or 230W 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

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	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Color Calibrator	Finger-print Reader	NFC	TPM	Battery	Power Adapter	OS	Warranty	Ann Date (m/y)
20HK000VUS	US	Xeon E3-1535M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK000WUS	US	Xeon E3-1505M v6	vPro	P4000 8GB	16GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK000XUS	US	Xeon E3-1535M v6	vPro	P5000 16GB	16GBx1 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK000YUS	US	Xeon E3-1535M v6	vPro	P4000 8GB	8GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK0010US	US	Xeon E3-1535M v6	vPro	P5000 16GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK0011US	US	i7-7700HQ	No	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK0012US	US	Xeon E3-1535M v6	vPro	P4000 8GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK0013US	US	i7-7700HQ	No	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK0014US	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK0015US	US	Xeon E3-1505M v6	vPro	M620 2GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK0016US	US	Xeon E3-1505M v6	vPro	M620 2GB	8GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK0017US	US	i7-7820HQ	vPro	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK0018US	US	i7-7700HQ	No	M620 2GB	8GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK0019US	US	Xeon E3-1505M v6	vPro	P4000 8GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK001AUS	US	Xeon E3-1535M v6	vPro	P3000 6GB	16GBx1 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK001BUS	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK001CUS	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK001DUS	US	Xeon E3-1535M v6	vPro	P3000 6GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK001EUS	US	i7-7820HQ	vPro	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK001FUS	US	Xeon E3-1535M v6	vPro	P5000 16GB	16GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17

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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	Monitor Cable	Camera	Key-board	Color Calibrator	Finger-print Reader	NFC	TPM	Battery	Power Adapter	OS	Warranty	Ann Date (m/y)
20HK001GUS	US	i7-7700HQ	No	M620 2GB	8GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK001HUS	US	Xeon E3-1535M v6	vPro	P5000 16GB	8GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK001JUS	US	i7-7700HQ	No	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK001KUS	US	i7-7820HQ	vPro	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK001LUS	US	Xeon E3-1535M v6	vPro	P4000 8GB	16GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	04/17
20HK001MUS	US	i7-7820HQ	vPro	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W	Win10 Pro 64	3-year, Depot	04/17
20HK001PUS	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	05/17
20HK001QUS	US	i7-7820HQ	vPro	P3000 6GB	8GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	05/17
20HK001RUS	US	i7-7820HQ	vPro	P3000 6GB	8GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	05/17
20HK001SUS	US	i7-7820HQ	vPro	P3000 6GB	8GBx2 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	05/17
20HK001TUS	US	i7-7820HQ	vPro	P3000 6GB	8GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W	Win10 Pro 64	3-year, Depot	05/17

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ThinkPad T470 Platform Specifications

Processor

6th Generation Intel® Core™ i5 / i7 Processor *(i7-6500U is not available in EMEA)*

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	3.0 GHz	3MB		
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

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		
i5-7300U			2.6 GHz	3.5 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics

Intel HD Graphics 520 or 620 in processor only, or
Intel HD Graphics 620 in processor and NVIDIA GeForce® 940MX,
2GB 2.5GHz GDDR5 memory (discrete models are NOT available in EMEA);
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)

Chipset

Intel SoC (System on Chip) platform

Memory

32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets
* System clocks down for processors with lower 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, 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, 700:1 contrast ratio, 170° viewing angle

Multi-touch *(opt)*

On-cell touch, supports 10-finger gesture (FHD IPS panel with PPS cover only)

Storage

System has one HDD slot or one M.2 2280 slot exclusively for storage
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s
Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig

Optical

None

Ethernet

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

WLAN

One of the following, configurable by model (WiGig can coexist with WWAN):
- Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

One of the following, configurable by model (WWAN can coexist with WiGig):
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card
- Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions

WxDxH: 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm

Weight

Models	*3-cell or 3 + 3-cell*	*6-cell or 3 + 6-cell*
Magnesium	3.49 lb / 1.58 kg	3.92 lb / 1.78 kg
PPS	3.63 lb / 1.65 kg	4.35 lb / 1.85 kg

Case color

Black

Case material

Display cover: Magnesium Hybrid or PPS;
Bottom: Glass-Fiber Reinforced Plastic

Smart card reader

Optional: Smart card reader

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I

Ports

Three USB 3.1 Gen 1 (USB 3.0, one Always On),
USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45),
Dock connector

WiGig dock *(opt)*

ThinkPad WiGig dock

Monitor cable

Optional: Lenovo USB-C to VGA Adapter

Camera *(optional)*

720p: HD720p resolution, fixed focus
IR & 720p: IR camera and HD720p camera (mutually exclusive with WiGig)

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, 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 2.0, TCG Certified

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: Touch style match on chip fingerprint reader on the keyboard bezel

NFC *(optional)*

Near Field Communication

Internal battery

Optional: Integrated Li-Polymer 3-cell *(24Wh)*

External battery

Li-Polymer 3-cell *(24Wh)* or Li-Ion 6-cell *(48Wh or 72Wh)*

Max battery life (*MobileMark® 2014*)

Models	*3-cell*	*3 + 3-cell*	*6-cell 48Wh*	*6-cell 72Wh*	*3 + 6-cell 48Wh*	*3 + 6-cell 72Wh*
Integrated	6.9 hr	13.9 hr	13.9 hr	20.9 hr	20.9 hr	27.1 hr
Discrete	6.9 hr	13.9 hr	14.3 hr	21.6 hr	21.2 hr	28.6 hr

AC adapter

45W or 65W AC adapter (slim tip), 45W or 65W USB Type-C AC adapter

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo PowerEngage
- ThinkVantage Product 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 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

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(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20HD000QUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	1-year, Depot	01/17
20HD000RUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20HD000SUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	128GB SSD	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20HD000TUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	1-year, Depot	01/17
20HD000UUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" HD (1366x768)	None	128GB SSD	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20HD000VUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20HD000WUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20HD000XUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20HD004AUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	1-year, Depot	03/17
20HD004BUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	03/17
20HD0056US	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Magnesium	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HD0057US	US	i7-7600U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Magnesium	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HD0058US	US	i7-7600U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HD005AUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HD005BUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HD005CUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HD005DUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HD005EUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HD005FUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HD005GUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17

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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	Dock	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20HD0066US	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	07/17
20HD0067US	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	07/17
20HD0068US	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	07/17
20HD0069US	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	07/17
20HD006AUS	US	i5-7300U	vPro	Intel HD 620	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	07/17
20HD006BUS	US	i5-7300U	vPro	Intel HD 620	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	07/17
20HD006FUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	08/17
20HD006XUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	512GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	NFC	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	10/17
20HD006YUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	NFC	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	10/17
20HD0070US	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	NFC	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	10/17

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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	Dock	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20JM0009US	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JM000AUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JM000BUS	US	i7-6500U	No	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JM000CUS	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	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20JM000EUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000FUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000GUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000HUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000JUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000KUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000LUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000MUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000QUS	US	i5-6300U	vPro	Intel HD 520	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JM000RUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JM000SUS	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	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20JM0012US	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	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/17
20JM0013US	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	512GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/17
20JM0014US	US	i5-6300U	vPro	Intel HD 520	8GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/17

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ThinkPad T470p Platform Specifications

Processor

7th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-7300HQ	4	4	2.5 GHz	3.5 GHz	6MB	DDR4-2400	Intel HD Graphics 630
i5-7440HQ			2.8 GHz	3.8 GHz	6MB		
i7-7700HQ		8	2.8 GHz	3.8 GHz	6MB		
i7-7820HQ			2.9 GHz	3.9 GHz	8MB		

Graphics

Intel HD Graphics 630 in processor only, or
Intel HD Graphics 630 in processor and
NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 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 QM175 Chipset

Memory

32GB max / 2400MHz 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 contrast ratio, 160° viewing angle

Multi-touch *(opt)*

On-cell touch, supports 10-finger gesture (FHD only)

Storage

System has one HDD slot or one M.2 2280 slot exclusively for storage
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s
Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN

Optical

None

Ethernet

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

WLAN

One of the following, configurable by model:
- Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

One of the following, configurable by model:
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions

FHD (WxDxH): 13.35" x 9.25" x 0.94"; 339mm x 235mm x 24mm
WQHD (WxDxH): 13.35" x 9.25" x 0.96"; 339mm x 235mm x 24.4mm

Weight

Models	*3-cell*	*6-cell*
Integrated model	3.83 lb / 1.74 kg	4.16 lb / 1.89 kg
discrete model	4.01 lb / 1.82 kg	4.33 lb / 1.96 kg

Case color

Black

Case material

Display cover: 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 3.1 Gen 1 (USB 3.0, one Always On),
HDMI 1.4b, Mini DisplayPort 1.2a, Ethernet (RJ-45), Dock connector

Monitor cable *(optional)*

HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
MiniDP to DP: Lenovo Mini-DisplayPort to DisplayPort Monitor Cable

Camera

HD720p resolution, fixed focus

Audio support

HD Audio, Realtek ALC3268 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 2.0, TCG Certified

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Touch style match on chip fingerprint reader on the keyboard bezel

NFC

None

Battery

Li-Ion 3-cell *(24Wh)* or 6-cell *(48Wh or 72Wh)*

Max battery life

MobileMark® 2014: 12.85 hr

AC adapter

90W or 135W 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

Mil-Spec test

MIL-STD-810G military certification

Environment

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

Model	Region	Processor vPro	Graphics	Chipset	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20J6001BUS	US	i5-7440HQ vPro	940MX 2GB	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	03/17
20J6001CUS	US	i5-7440HQ vPro	940MX 2GB	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	02/17
20J6001DUS	US	i5-7440HQ vPro	Intel HD 630	Intel QM175	4GBx2	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (24Wh)	90W	Win10 Pro 64	3-year, Depot	03/17
20J6001EUS	US	i5-7440HQ vPro	940MX 2GB	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	02/17
20J6001FUS	US	i5-7440HQ vPro	Intel HD 630	Intel QM175	4GBx2	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	90W	Win10 Pro 64	3-year, Depot	02/17
20J6001GUS	US	i5-7440HQ vPro	Intel HD 630	Intel QM175	4GBx2	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	90W	Win10 Pro 64	3-year, Depot	03/17
20J6001HUS	US	i5-7440HQ vPro	Intel HD 630	Intel QM175	4GBx2	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (24Wh)	90W	Win10 Pro 64	3-year, Depot	02/17
20J6001JUS	US	i5-7440HQ vPro	940MX 2GB	Intel QM175	4GBx2	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	03/17
20J6003JUS	US	i7-7820HQ vPro	940MX 2GB	Intel QM175	16GBx1	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	04/17
20J6003KUS	US	i7-7820HQ vPro	940MX 2GB	Intel QM175	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	04/17
20J6003LUS	US	i7-7820HQ vPro	940MX 2GB	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	04/17
20J6003MUS	US	i5-7440HQ vPro	Intel HD 630	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	90W	Win10 Pro 64	3-year, Depot	04/17
20J6003NUS	US	i5-7440HQ vPro	Intel HD 630	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	90W	Win10 Pro 64	3-year, Depot	04/17
20J6003PUS	US	i7-7820HQ vPro	940MX 2GB	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	04/17
20J6003UUS	US	i7-7820HQ vPro	940MX 2GB	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	06/17
20J6003VUS	US	i7-7820HQ vPro	940MX 2GB	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	06/17
20J6003WUS	US	i5-7440HQ vPro	Intel HD 630	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	90W	Win10 Pro 64	3-year, Depot	06/17
20J6003XUS	US	i7-7820HQ vPro	940MX 2GB	Intel QM175	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	6-cell (48Wh)	135W	Win10 Pro 64	3-year, Depot	06/17
20J6003YUS	US	i5-7440HQ vPro	Intel HD 630	Intel QM175	8GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (24Wh)	90W	Win10 Pro 64	3-year, Depot	06/17

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ThinkPad T470s 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	3.0 GHz	3MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

or 7th Generation Intel Core i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620
i5-7300U			2.6 GHz	3.5 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics
Intel HD Graphics 520 or 620 in processor;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)

Chipset
Intel SoC (System on Chip) platform

Memory
20GB or 24GB max[7] / 2400MHz DDR4, dual-channel capable,
4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM socket
* System clocks down for processors with lower memory controller

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)*
On-cell touch, supports 10-finger gesture, 250 nits (FHD only)

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
One of the following, configurable by model (WiGig is mutually exclusive with WWAN):
- Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™
Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*
One of the following, configurable by model (mutually exclusive with WiGig):
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card

SIM card *(opt)*
- Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

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

Weight Starting at 2.9 lb (1.32kg)

Case color Black or Silver

Case material *Display cover:* CFRP Hybrid; *Bottom:* Magnesium

Smart card reader *Optional:* Smart card reader

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

Ports Three USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), Dock connector

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

Monitor cable *(optional)* *HDMI to VGA:* Lenovo HDMI to VGA Monitor Adapter; *USB-C to VGA:* Lenovo USB-C to VGA Adapter

Camera *(optional)* HD720p resolution, fixed focus (models without camera are unavailable in EMEA)

Audio support HD Audio, Realtek® ALC3268 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 multi-touch touchpad

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:* Touch style match on chip fingerprint reader on the palm rest

NFC *(optional)* Near Field Communication

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

Max battery life *MobileMark® 2014:* up to 10.5 hr

AC adapter 45W AC adapter (slim tip), 45W or 65W USB Type-C AC adapter

Preload
Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo PowerEngage
- ThinkVantage Product 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 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

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 +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20HF0010US	US	i7-7600U	vPro	Intel HD 620	4GB + 8GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HF0011US	US	i5-7300U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HF0012US	US	i5-7300U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HF0013US	US	i7-7600U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HF0014US	US	i5-7200U	No	Intel HD 620	4GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	1-year, Depot	02/17
20HF0015US	US	i7-7600U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HF001DUS	US	i7-7600U	vPro	Intel HD 620	8GB + 16GB	14" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HF003QUS	US	i7-7600U	vPro	Intel HD 620	4GB + 8GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HF003RUS	US	i5-7200U	No	Intel HD 620	4GB + 4GB	14" WQHD (2560x1440) IPS	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	03/17
20HF003SUS	US	i5-7200U	No	Intel HD 620	4GB + 4GB	14" WQHD (2560x1440) IPS	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	03/17
20HF003TUS	US	i7-7600U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HF003UUS	US	i5-7300U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HF003VUS	US	i5-7200U	No	Intel HD 620	4GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	1-year, Depot	02/17
20HF003WUS	US	i5-7300U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HF0044US	US	i7-7600U	vPro	Intel HD 620	8GB + 8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	07/17
20HF005GUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HF005HUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HF005JUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HF005KUS	US	i7-7600U	vPro	Intel HD 620	8GB + 16GB	14" FHD (1920x1080) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HF005LUS	US	i7-7600U	vPro	Intel HD 620	8GB + 16GB	14" FHD (1920x1080) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	04/17

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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	Monitor Cable	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20HF005MUS	US	i7-7600U	vPro	Intel HD 620	8GB + 16GB	14" WQHD (2560x1440) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20HF005NUS	US	i5-7200U	No	Intel HD 620	4GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	1-year, Depot	04/17
20HF0063US	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	06/17
20HF0064US	US	i5-7300U	vPro	Intel HD 620	8GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	07/17
20HF0065US	US	i7-7600U	vPro	Intel HD 620	8GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	07/17
20HF0066US	US	i5-7300U	vPro	Intel HD 620	8GB + 8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	07/17
20HF006KUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	10/17
20HF006LUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 Pro 64	3-year, Depot	10/17

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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	Monitor Cable	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20JS0004US	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JS000MUS	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JS0014US	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	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20JS0015US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JS0016US	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	Smart Card Reader	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20JS0017US	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	Smart Card Reader	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JS0018US	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	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20JS0019US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JS001AUS	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JS001BUS	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JS001CUS	US	i7-6600U	vPro	Intel HD 520	4GB + 16GB	14" FHD (1920x1080) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JS001DUS	US	i7-6600U	vPro	Intel HD 520	4GB + 16GB	14" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JS001GUS	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JS001HUS	US	i5-6300U	vPro	Intel HD 520	4GB + 8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JS001JUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JS001KUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JS001LUS	US	i5-6300U	vPro	Intel HD 520	4GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JS0023US	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	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/17
20JS0024US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/17
20JS0025US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/17

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ThinkPad T570 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	3.0 GHz	3MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

or 7th Generation Intel Core i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620
i5-7300U			2.6 GHz	3.5 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics

Intel HD Graphics 520 or 620 in processor only, or
Intel HD Graphics 520 or 620 in processor and
NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)

Chipset

Intel SoC (System on Chip) platform

Memory

32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets
* System clocks down for processors with lower 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, 700:1 contrast ratio, 170° viewing angle
Some: 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle

Multi-touch *(opt)*

On-cell touch, supports 10-finger gesture (FHD only)

Storage

System has one HDD slot or one M.2 2280 slot exclusively for storage
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s
Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig

Optical

None

Ethernet

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

WLAN

One of the following, configurable by model (WiGig can coexist with WWAN):
- Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card (US only)
- Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

One of the following, configurable by model (WWAN can coexist with WiGig):
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card
- Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions

WxDxH: 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm

Weight

Starting at 4.34 lb / 1.97 kg

Case color

Black

Case material

Display cover: Glass-Fiber Reinforced Plastic (PPS);
Bottom: Glass-Fiber Reinforced Plastic

Smart card reader

Optional: Smart card reader

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I

Ports

Three USB 3.1 Gen 1 (USB 3.0, one Always On),
USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45),
Dock connector

WiGig dock *(opt)*

ThinkPad WiGig dock (US only)

Monitor cable *(optional)*

HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
USB-C to VGA: Lenovo USB-C to VGA Adapter

Camera *(optional)*

720p: HD720p resolution, fixed focus
IR & 720p: IR camera and HD720p camera (mutually exclusive with WiGig)

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™

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 2.0, TCG Certified

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: Touch style match on chip fingerprint reader on the palm rest

NFC *(optional)*

Near Field Communication

Internal battery

Optional: Integrated Li-Polymer 4-cell *(32Wh)*

External battery

Li-Polymer 3-cell *(24Wh)* or Li-Ion 6-cell *(48Wh or 72Wh)*

Max battery life (*MobileMark® 2014*)

Models	*4 + 3-cell*	*6-cell 48Wh*	*6-cell 72Wh*	*4 + 6-cell 48Wh*	*4 + 6-cell 72Wh*
Integrated	13.8 hr	12.5 hr	18.5 hr	20.3 hr	27.1 hr
discrete	13.8 hr	12.5 hr	18.5 hr	20.0 hr	26.8 hr

AC adapter

45W or 65W AC adapter (slim tip), 45W or 65W USB Type-C AC adapter

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo PowerEngage
- ThinkVantage Product 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 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

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(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H9000MUS	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20H9000NUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20H9000PUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20H9000QUS	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20H9000RUS	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20H9000SUS	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	1-year, Depot	01/17
20H9000TUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20H9000UUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	01/17
20H9004FUS	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	03/17
20H9004NUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20H9004PUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20H9004QUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20H9004RUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	15.6" 4K (3840x2160) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20H9004SUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20H9004TUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20H9004UUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20H9004VUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20H9004WUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	04/17
20H90056US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	06/17
20H90057US	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	06/17

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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	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H90058US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	06/17
20H90059US	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	06/17
20H9005CUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	10/17
20H9005DUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 Pro 64	3-year, Depot	10/17

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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	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20JW0004US	US	i7-6600U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JW0005US	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JW0006US	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JW0007US	US	i7-6600U	vPro	Intel HD 520	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JW0008US	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JW0009US	US	i7-6600U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JW000CUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JW000DUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JW000GUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/17
20JW000HUS	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	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	10/17

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ThinkPad X1 Carbon (5th Gen) Platform Specifications

Processor — 6th Generation Intel® Core™ i5 / i7 Processor *(EMEA has only i5-6300U and i7-6600U)*

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		

or 7th Generation Intel Core i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	LPDDR3-1866	Intel HD Graphics 620
i5-7300U			2.6 GHz	3.5 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics — Intel HD Graphics 520 or 620 in processor;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)

Chipset — Intel SoC (System on Chip) platform

Memory — 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, 170° viewing angle

Multi-touch — None

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 — Native Intel Ethernet Connection I219-V (*Non-vPro*) or I219-LM (*vPro*))
via optional ThinkPad Ethernet Extension Cable

WLAN — *One of the following, configurable by model (WiGig can coexist with WWAN):*
- Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™ — Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)* — Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)

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

Dimensions — *WxDxH:* 12.74" x 8.55" x 0.63"; 323.5mm x 217.1mm x 15.95mm

Weight — Starting at 2.49 lb / 1.13 kg

Case color — Black or Silver (silver is not available in EMEA)

Case material — *Display cover:* CFRP/GFRP hybrid;
Bottom: magnesium alloy hybrid

Smart card reader — None

Media reader — MicroSD card reader, supports UHS-II microSD card

Ports — Two USB 3.1 Gen 1 (USB 3.0, one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (support data, video, and power delivery), HDMI 1.4b, Ethernet extension connector

WiGig dock *(opt)* — ThinkPad WiGig dock

Monitor cable *(optional)* — *HDMI to VGA:* Lenovo HDMI to VGA Monitor Adapter
USB-C to VGA: Lenovo USB-C to VGA Adapter
USB-C to DP: Lenovo USB-C to DisplayPort Adapter

Camera *(optional)* — *720p:* HD720p resolution, fixed focus
IR & 720p: IR camera and HD720p camera

Audio support — HD Audio, Conexant® CX11871 codec / stereo speakers, 2W 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 multi-touch touchpad

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 — Touch style match on chip fingerprint reader on the palm rest

NFC *(optional)* — Near Field Communication

Battery — Integrated Li-Polymer 3-cell *(57Wh)* RapidCharge battery

Max battery life — *MobileMark® 2014:* 15.5 hr

AC adapter — 45W or 65W USB Type-C AC adapter

RapidCharge

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

Preload — Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo PowerEngage
- ThinkVantage Product 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 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

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(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Dock	Monitor Cable	Adapter	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20HR000DUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR000EUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR000FUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR000GUS	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR000HUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR000JUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR000KUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR000LUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR000MUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR000WUS	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR0011US	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR003CUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR003DUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR003EUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR0053US	US	i7-7500U	No	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR0057US	US	i7-7500U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR0058US	US	i7-7500U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR005FUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	04/17
20HR005HUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	04/17
20HR005KUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	04/17

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Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Dock	Monitor Cable	Adapter	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20HR006HUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006JUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006KUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006LUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006MUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006NUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006PUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006QUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006RUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006SUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006TUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006UUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006VUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17

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Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Dock	Monitor Cable	Adapter	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20K4001WUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4001XUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4001YUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K40020US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K40021US	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4002RUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4002SUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4002TUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4002UUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4002WUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20K4002XUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20K4002YUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20K40030US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	07/17

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ThinkPad X270 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		

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		
i5-7300U			2.6 GHz	3.5 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics

Intel HD Graphics 520 or 620 in processor;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2160@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket
* System clocks down for processors with lower memory controller

Display

Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 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 *(opt)*

On-cell touch, supports 10-finger gesture (FHD only)

Storage

System has one HDD slot or one M.2 2280 slot exclusively for storage
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s
Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig

Optical

None

Ethernet

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

WLAN

One of the following, configurable by model (WiGig is mutually exclusive with WWAN):
- Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1
- Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1
- Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1 (US only)

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

One of the following, configurable by model (mutually exclusive with WiGig):
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)
- Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU) (EMEA only)

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions

WxDxH: 12.03" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm

Weight

Models	*No + 3-cell*	*3-cell + 3-cell*	*3 + 6-cell*
Weight	2.79 lb / 1.27 kg	2.98 lb / 1.36 kg	3.33 lb / 1.52 kg

Case color

Black

Case material

Glass-Fiber Reinforced Plastic

Smart card reader

Optional: Smart card reader

Media reader

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

Ports

Two USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45), Dock connector

WiGig dock *(opt)*

ThinkPad WiGig dock, mutually exclusive with WWAN (US only)

Monitor cable *(optional)*

HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
USB-C to VGA: Lenovo USB-C to VGA Adapter
USB-C to DP: Lenovo USB-C to DisplayPort Adapter

Camera *(optional)*

HD720p resolution, 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, 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 2.0, TCG Certified

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Optional: Touch style match on chip fingerprint reader on the palm rest

NFC *(optional)*

Near Field Communication

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	*No + 3-cell*	*3-cell + 3-cell*	*3-cell + 6-cell 48Wh*	*3-cell + 6-cell 72Wh*
Max battery life	6.52 hr	13.04 hr	20.1 hr	26.9 hr

AC adapter

45W AC adapter (slim tip) or 45W USB Type-C AC adapter

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo PowerEngage
- ThinkVantage Product 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 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

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(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HN001FUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN001GUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN001HUS	US	i7-7500U	No	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN001JUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN001KUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN001LUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN001MUS	US	i7-7500U	No	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN001NUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN001PUS	US	i3-7100U	No	Intel HD 620	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN001QUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN001RUS	US	i7-7500U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	02/17
20HN004UUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	03/17
20HN004VUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" HD (1366x768) IPS	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	03/17
20HN006AUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17
20HN006BUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17
20HN006CUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17
20HN006DUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17
20HN006EUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17
20HN006FUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17
20HN006GUS	US	i7-7500U	No	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17

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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	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HN006HUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17
20HN006JUS	US	i7-7500U	No	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17
20HN006KUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17
20HN006VUS	US	i7-7500U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 Pro 64	3-year, Depot	08/17

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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	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20K6000LUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000MUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000NUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000PUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000QUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000RUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000SUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000TUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	05/17
20K6000UUS	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	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000VUS	US	i7-6500U	No	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6001AUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001BUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001CUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001DUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001EUS	US	i7-6500U	No	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001FUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001GUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001HUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W	Win10 DG Win7 Pro 64	3-year, Depot	08/17

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Depot or Courier Service: Parts and labor repair coverage where shipping (including packaging) or delivery to the repair center is paid for by Lenovo.
Expedited Depot: Parts and labor coverage with expedited turnaround. Shipping (including packaging) or delivery to the repair center is paid for by Lenovo.
Onsite / In-home Service: Parts and labor repair coverage where labor is provided onsite at your place of business.
If Lenovo determines your product problem is covered by the product warranty and cannot be resolved over the telephone, a technician will be dispatched to arrive onsite, typically the next day.
International Warranty Service (IWS): PC repair coverage for customers who require a critical warranty repair while travelling internationally. Visit www.lenovo.com/internationalwarranty for details.
Visit www.lenovo.com/warranty for Lenovo Warranty Services terms and conditions for complete details and restrictions.

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.

Battery life: Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

Visit **http://psref.lenovo.com/** for the latest version of Product Specifications Reference.

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Lenovo 1009 Think Place Morrisville, NC 27560 U.S.A.

Lenovo ThinkPad Tablets Convertibles

PSREF

Product Specifications Reference

Version 514, October 2017

U.S.

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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.

October 18, 2017 - Version 514

Additions in this update

►**New product(s)**
None

►**New model(s)**
ThinkPad X1 Yoga (2nd Gen) models announced October 2017

►**Others**
None

Changes in this update

►None

Withdrawals in this update

►**Withdrawn product(s)**
None













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ThinkPad X1 Tablet (2nd Gen) Platform Specifications

Processor — 7th Generation Intel® Core™ m / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-7Y54	2	4	1.2 GHz	3.2 GHz	4MB	LPDDR3-1866	Intel HD Graphics 615
i5-7Y57			1.2 GHz	3.3 GHz	4MB		
i7-7Y75			1.3 GHz	3.6 GHz	4MB		

Graphics	Intel HD Graphics 615 in processor, supports 1080p video out via Mini DisplayPort connector
Chipset	Intel SoC (System on Chip) platform
Memory	8GB, or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets
Display	12.0" (304.8mm) FHD+ (2160x1440), glossy, 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 (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
Storage extension	One microSD card slot, supports up to 32GB microSDHC or 64GB microSDXC
Ethernet	None
WLAN	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, soldered M.2 chip
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo chip ** Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS*
WiGig	Intel Wireless Gigabit 11000, WiGig 802.11ad, soldered M.2 chip
WWAN *(optional)*	Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)
SIM card *(opt)*	Nano-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card
Dimensions	*Tablet only:* 11.48" x 8.25" x 0.34"; 291.5mm x 209.5mm x 8.45mm *Tablet + keyboard:* 11.48" x 8.25" x 0.56"; 291.5mm x 209.5mm x 14.15mm
Weight	*Tablet only:* starting at 1.69 lb (0.77kg) *Tablet+keyboard:* starting at 2.35 lb (1.07kg)
Case color	Black
Case material	Mg + PCGF Hybrid
Smart card reader	None
Media reader	One microSD card slot (microSD, microSDHC, microSDXC)
Ports	One USB 3.1 Gen 1 / USB 3.0, one Mini DisplayPort, one USB 3.1 Type-C Gen 1 / Power Delivery 2.0, one Pogo keyboard connector, one cartrige connector for optional modules, one nano-SIM card slot
Control buttons	Power button, volume control button, reset switch
WiGig dock	*Optional:* ThinkPad WiGig dock
Monitor cable *(optional)*	*MiniDP to HDMI:* Lenovo Mini DisplayPort to HDMI Monitor Cable *MiniDP to VGA:* Lenovo Mini DisplayPort to VGA Monitor Cable
Adapter *(optional)*	*USB to RJ45:* ThinkPad USB 3.0 Ethernet Adapter *USB-C to VGA:* Lenovo USB C to VGA Plus Power Adapter *USB-C to HDMI:* Lenovo USB-C to HDMI Plus Power Adapter

Camera	*Front camera:* 2.0-megapixel, fixed focus *Rear camera:* 8.0-megapixel, auto focus, flash LED
Video capture	1080p video capture
Audio support	Realtek® ALC3268 codec / stereo speakers, 0.5W 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, backlit
Keyboard color	Black, red, or silver
Security	Kensington lock slot
Security chip	Discrete TPM 2.0 TCG Certified
vPro *(optional)*	Intel vPro Technology
Fingerprint reader	*Optional:* Touch style Fingerprint reader
NFC	None
Module	*One of the following, configurable by model:* • Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Wh) • Presenter module, Pico projector, HDMI and 10Whr battery for presenter
Battery	Li-Polymer 2-cell *(37Wh)* battery
Max battery life	*MobileMark® 2014:* 10 hr (local video playback)
AC adapter	45W or 65W USB Type-C AC 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 Connect • 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
Mil-Spec test	MIL-STD-810G military certification
Environment	EPEAT™ Gold, GREENGUARD, Low Halogen, RoHS

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	Module	Power Adapter	Operating System	Warranty	Global	Ann Date (mm/yy)
20JB0027US	US	i5-7Y57	vPro	Intel HD 615	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	3-year, Depot	No	03/17
20JB0029US	US	i7-7Y75	vPro	Intel HD 615	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	3-year, Depot	No	03/17
20JB002BUS	US	i7-7Y75	vPro	Intel HD 615	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	3-year, Depot	No	03/17
20JB002CUS	US	i5-7Y54	No	Intel HD 615	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	1-year, Depot	No	03/17
20JB002DUS	US	i5-7Y54	No	Intel HD 615	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	1-year, Depot	No	03/17
20JB002EUS	US	i7-7Y75	vPro	Intel HD 615	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	3-year, Depot	No	03/17
20JB002FUS	US	i5-7Y57	vPro	Intel HD 615	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	3-year, Depot	No	03/17
20JB002JUS	US	i5-7Y57	vPro	Intel HD 615	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	3-year, Depot	No	03/17
20JB002KUS	US	i7-7Y75	vPro	Intel HD 615	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	3-year, Depot	No	03/17
20JB002LUS	US	i7-7Y75	vPro	Intel HD 615	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	3-year, Depot	No	03/17
20JB002MUS	US	i7-7Y75	vPro	Intel HD 615	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	3-year, Depot	No	03/17
20JB002NUS	US	i7-7Y75	vPro	Intel HD 615	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	1-year, Depot	No	03/17
20JB0035US	US	i7-7Y75	vPro	Intel HD 615	8GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	None	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	3-year, Depot	No	03/17
20JB003RUS	US	i7-7Y75	vPro	Intel HD 615	16GB Soldered	12" FHD+ (2160x1440) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	2.0MP / 8.0MP	Black Pogo Keyboard	Pen Pro	Fingerprint Reader	None	45W	Win10 Pro 64	1-year, Depot	No	05/17

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ThinkPad P40 Yoga Platform Specifications

Product Specifications Reference (PSREF)

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

Monitor cable *(optional)*

HDMI-VGA: Lenovo HDMI to VGA Monitor Cable
mDP-VGA: Lenovo Mini DisplayPort to VGA Monitor Cable

Adapter *(optional)*

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

Trusted Platform Module, TCG 1.2-compliant and Software TPM 2.0

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	Color	Camera	Keyboard	Pen	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Global	End of Support	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	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	Feb 2, 2021	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	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	Feb 2, 2021	02/16
20GQ000EUS	US	i7-6600U	vPro	M500M 2GB	16GBx1	14" WQHD (2560x1440) IPS Gloss	10-point Multi-touch	Carbon	512GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	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	Feb 2, 2021	02/16

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ThinkPad X1 Yoga (2nd Gen) Platform Specifications

Processor

7th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	LPDDR3-1866	Intel HD Graphics 620
i5-7300U			2.6 GHz	3.5 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics

Intel HD Graphics 620 in processor only,
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)

Chipset

Intel SoC (System on Chip) platform

Memory

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

Display

Some: 14.0" (355mm) FHD (1920x1080), glossy, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS
Some: 14.0" (355mm) Narrow Bezel FHD (1920x1080), glossy, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS
Some: 14.0" (355mm) WQHD (2560x1440), glossy, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS
Some: 14.0" (355mm) WQHD (2560x1440), glossy, OLED, 300 nits, 16:9 aspect ratio, 54000:1 contrast ratio, 100% gamut, 176° viewing angle

Multi-touch

LED panel: Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture
OLED panel: OCTA, AS (anti-smudge), 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 (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

Native Intel Ethernet Connection I219-V (*Non-vPro*) or I219-LM (*vPro*))
via optional ThinkPad Ethernet Extension Cable

WLAN

One of the following, configurable by model (WiGig is mutually exclusive with WWAN):

- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2, 802.11ac + BT4.1, M.2 Card
- Intel Tri-Band Wireless-AC 18265, WiGig™ 802.11ad + Wi-Fi 2x2, 802.11ac + BT4.1, M.2 Card

WiGig adapter is only available in selected countries

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*

Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions

WxDxH: 13.11" x 9.02" x 0.69"; 333mm x 229mm x 17.4mm

Weight

Starting at 2.99 lb (1.36kg) for OLED model; 3.13 lb (1.42kg) for other model

Case color

Black or silver

Case materal

Display cover: Carbon-Fiber Hybrid;
Bottom: magnesium-PPS hybrid

Smart card reader

None

Media reader

MicroSD card reader, supports UHS-II microSD card

Ports

Three USB 3.1 Gen 1 (USB 3.0, one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (support data, video, and power delivery), HDMI 1.4b, Ethernet extension connector, combo audio / microphone jack

WiGig dock *(opt)*

ThinkPad WiGig dock

Monitor cable *(optional)*

HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
USB-C to VGA: Lenovo USB-C to VGA Adapter
USB-C to DP: Lenovo USB-C to DisplayPort Adapter

Camera *(optional)*

720p: HD720p resolution, fixed focus
IR & 720p: IR camera and HD720p camera (Narrow Bezel FHD panel only)

Audio support

HD Audio, Conexant® CX11771 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack

Keyboard

6-row wave keyboard (rise & fall), spill-resistant, multimedia Fn keys, LED backlit

UltraNav™

TrackPoint® pointing device and 3+2 buttons multi-touch clickpad

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

Touch style match on chip fingerprint reader on the palm rest

NFC *(optional)*

Near Field Communication

Battery

Li-Polymer 4-cell (56Wh)

Max battery life

MobileMark® 2014: 15.5 hr

AC adapter

45W or 65W USB Type-C AC adapter

RapidCharge

AC adapter	*45W USB-C*	*65W USB-C*
Charge to 80%	Not support	1.0 hr
Charge to 100%	Not support	2.8 hr

Light sensor

Ambient Light Sensor

G-sensor

3D accelerometer and 3D magnetometer

Compass

3D compass

Gyroscope

3D gyrometer

Preload

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

- Lenovo Companion
- Lenovo Settings
- 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

Mil-Spec test

MIL-STD-810G military certification

Environment

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

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	SIM Card	Dock	Monitor Cable	Adapter	Color	Camera	Keyboard	Pen	Finger-print Reader	NFC	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20JD000PUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD000QUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD000RUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS Gloss	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD000SUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD000TUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD000UUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD000VUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD000WUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) OLED Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD000XUS	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD000YUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS Gloss	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD0015US	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JD0022US	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	180GB SSD M.2 SATA3 Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	05/17
20JD004UUS	US	i7-7500U	No	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	05/17
20JD004VUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	180GB SSD M.2 SATA3 Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	05/17
20JD0060US	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	10/17

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	SIM Card	Dock	Monitor Cable	Adapter	Color	Camera	Keyboard	Pen	Finger-print Reader	NFC	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20JF000BUS	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF000CUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS Gloss	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF000DUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF000EUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF000FUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF000GUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS Gloss	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF000HUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) OLED Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF000JUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF000KUS	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF000LUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF000MUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS Gloss	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	04/17
20JF002KUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS NB	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit Silver	Pen Pro	Finger-print Reader	None	65W	Win10 Pro 64	3-year, Depot	No	10/17

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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 (4th Gen) Platform Specifications

Processor

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

Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Controller	Processor Graphics
Cel N3450	4	4	1.1 GHz	2.2 GHz	2MB	DDR3L-1866	Intel HD graphics 500
i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD graphics 620
i5-7200U			2.5 GHz	3.1 GHz	3MB		

Graphics

Intel HD Graphics 500, or Intel HD Graphics 620 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

4GB or 8GB / 1600MHz DDR3L or 2133MHz DDR4,
one DDR3L or DDR4 SO-DIMM socket
* System clocks down for processors with lower memory controller

Display

11.6" (295mm) HD (1366x768), anti-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

One of the following, configurable by model:

- 11ac+BT, QCA NFA435, 1x1, M.2 card
- 11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
**Intel 7265ac card supports Bluetooth 4.2 but is limited to BT 4.1 by Windows OS*

WWAN

None

Dimensions

WxDxH: 11.81" x 8.27" x 0.90"; 300mm x 210mm x 22.9mm

Weight

from 3.5 lb (1.59kg)

Case color

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

Case material

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

Media reader

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

Ports

Two USB 3.1 Gen 1 / 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® ALC3268 codec / stereo speakers, 2W x 2 /
monaural microphone, combo audio/microphone jack

Keyboard

ThinkPad Windows keyboard, 6-row, multimedia Fn keys

UltraNav™

Two buttons click pad below keyboard, multi-touch

Security

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

Security chip

Discrete TPM 2.0, TCG Certified

vPro

None

Fingerprint reader

None

Battery

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

Max battery life

MobileMark® 2014: 11 hr

AC adapter

45-watt AC adapter

Preload

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

- Lenovo Connect
- 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 depot repair service

Mil-Spec test

MIL-STD-810G military certification

Environment

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

Model	Product	Region	Processor	Graphics	Memory	Display	Multi-touch	Color	Storage	Optical	WLAN + Bluetooth	Camera	Pen	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Global	Ann Date (mm/yy)
20HU0000US	ThinkPad Yoga 11e (4th Gen)	US	i3-7100U	Intel HD 620	8GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	Black	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.1	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/17
20HU0001US	ThinkPad Yoga 11e (4th Gen)	US	i3-7100U	Intel HD 620	8GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	Black	256GB SSD Opal2	None	Intel 7265 ac, 2x2 + BT4.1	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/17
20HU0003US	ThinkPad Yoga 11e (4th Gen)	US	Celeron N3450	Intel HD 500	4GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	Black	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.1	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/17
20HU0004US	ThinkPad Yoga 11e (4th Gen)	US	Celeron N3450	Intel HD 500	8GBx1	11.6" HD (1366x768) IPS	10-point Multi-touch	Black	128GB SSD	None	Intel 7265 ac, 2x2 + BT4.1	720p	None	None	3-cell (42Wh)	45W	Windows 10 Pro 64	1-year, Depot	No	03/17

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ThinkPad Yoga 11e Chromebook (3rd Gen) 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
Cel N3160	4	4	1.6 GHz	2.24 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

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July 2017

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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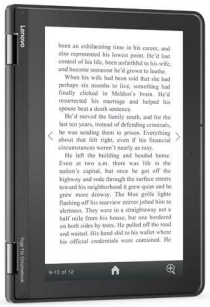





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ThinkPad Yoga 11e Chromebook (4th Gen) Platform Specifications

Processor — Intel® Celeron® processor

Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Controller	Processor Graphics
Cel N3450	4	4	1.1 GHz	2.2 GHz	2MB	LPDDR4-2400	Intel HD graphics 500

Graphics	Intel HD Graphics 500 in processor
Chipset	Intel SoC (System on Chip) platform
Memory	4GB or 8GB 3200MHz LPDDR4 / soldered to systemboard, no sockets * System clocks down for processors with lower memory controller
Display	11.6" (295mm) HD (1366x768), anti-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	None
Storage	32GB eMMC (embedded Multi Media Card) flash memory on board
Optical	None
Ethernet	None
WLAN	11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter
WWAN	None
Dimensions	*WxDxH:* 11.81" x 8.27" x 0.92"; 300mm x 210mm x 23.4mm
Weight	from 3.5 lb (1.59kg)
Case color	*Display cover:* Graphite Black; *Bottom:* Graphite Black
Case material	*Display cover:* PC+40%GF+TPU; *Bottom:* PC+ABS

Media reader	3-in-1 reader (SD, SDHC, SDXC)
Ports	Two USB 3.1 Type-C Gen 1, one USB 3.1 Gen 1 / USB 3.0
Control buttons	Power button, volume control button
Camera	HD720p resolution, low light sensitive, fixed focus
Audio support	HD Audio, DA7219 codec / stereo speakers, 2W x 2 / monaural microphone, combo audio/microphone jack
Keyboard	ThinkPad Chrome keyboard, 6-row, multimedia Fn keys
UltraNav™	Two buttons click pad below keyboard, multi-touch
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
vPro	None
Fingerprint reader	None
Battery	Integrated Lithium Polymer 3-cell *(42Wh)*
Max battery life	Up to 10 hr
AC adapter	45-watt USB Type-C adapter
Preload	Google Chrome OS
Limited warranty	• 1-year depot repair service
Mil-Spec test	MIL-STD-810G military certification
Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant

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July 2017

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Color	Storage	Optical	WLAN + Bluetooth	Camera	Pen	Finger-print Reader	Battery	Power Adapter	Operating System	Warranty	Global	Ann Date (m/y)
20HY0000US	US	Celeron N3450	Intel HD 500	4GB Soldered	11.6" HD (1366x768) IPS	10-point Multi-touch	Black	32GB eMMC	None	Intel 7265 ac, 2x2 + BT4.2	720p	None	None	3-cell (42Wh)	45W	Chrome OS	1-year, Depot	No	04/17

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ThinkPad Yoga 370 Platform Specifications

Processor

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		
i5-7300U			2.6 GHz	3.5 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics
Intel HD Graphics 620 in processor only;
supports external digital monitor via HDMI;
supports dual independent display;
Max resolution: 4096x2160 (HDMI)@24Hz

Chipset
Intel SoC (System on Chip) platform

Memory
WWAN model: 8GB 2133MHz DDR4 soldered to systemboard
Non-WWAN model: 16GB max / 2133MHz DDR4, one DDR4 SO-DIMM socket

Display
13.3" (337.8mm) FHD (1920x1080), glossy, LED backlight, IPS
300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle

Multi-touch
Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture

Hinge
Yoga hinge, 360 degree

Convert-mode
Laptop, tent, stand, yoga and tablet

Pen
ThinkPad Pen Pro, active pen for multi-touch display, on-board charging

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
Native Intel Ethernet Connection I219-V (*Non-vPro*) or I219-LM (*vPro*))
via optional ThinkPad Ethernet Extension Cable

WLAN
One of the following, configurable by model (WiGig is mutually exclusive with WWAN):
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

** WiGig adapter is only available in selected countries**

Bluetooth™
Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
** Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN *(optional)*
Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)
WWAN models are only available with i5, i7 processores, WWAN models is not available in North America

SIM card *(opt)*
Micro-SIM card slot, optional Lenovo Connect (EMEA) SIM card

Dimensions
WxDxH: 12.34" x 8.75" x 0.72"; 313.5mm x 222.2mm x 18.2mm

Weight
Starting at 3.03 lb (1.37kg)

Case color
Black or silver

Case Materal
Carbon-Fiber Hybrid

Smart card reader
Optional: Smart card reader (mutually exclusive with NFC)

Media reader
One microSD card slot (microSD, microSDHC, microSDXC), UHS-I

Ports
Two USB 3.1 Gen 1 (USB 3.0, one Always On),
USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet extension connector

WiGig dock
Optional: ThinkPad WiGig dock

Monitor cable *(optional)*
USB-C to VGA: Lenovo USB C to VGA Plus Power Adapter
USB-C to DP: Lenovo USB-C to DisplayPort Adapter
HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter

Camera
HD720p resolution, fixed focus

Audio support
HD Audio, Conexant® CX11771 codec, Dolby® DAXII / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack

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

UltraNav™
TrackPoint® pointing device and 3+2 buttons Mylar surface multi-touch click pad

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: Touch style match on chip fingerprint reader on the palm rest

NFC *(optional)*
Near Field Communication (mutually exclusive with smart card reader)

Battery
Li-Polymer 4-cell *(51Wh)* battery

Max battery life
MobileMark® 2014: 12.5 hr

AC adapter
45W or 65W AC adapter (slim tip), 65W USB Type-C AC adapter

Light sensor
Ambient Light Sensor

G-sensor/ eCompass
3D accelerometer and 3D magnetometer
3D compass

Gyroscope
3D gyrometer

Preload
Some: Windows 10 Home 64
Some: Windows 10 Pro 64
- Lenovo Connect
- 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

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

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

Model	Region	Processor	vPro	Graphics	Memory	Display	Case Material	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Adapter	Color	Pen	Fingerprint Reader	NFC	TPM	Power Adapter	Operating System	Warranty	Global	End of Support	Ann Date (mm/yy)
20JH001VUS	US	i5-7300U	vPro	Intel HD 620	16GBx1	13.3" FHD (1920x1080) IPS	Carbon	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH001WUS	US	i5-7200U	No	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH001XUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH001YUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	13.3" FHD (1920x1080) IPS	Carbon	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH0020US	US	i7-7500U	No	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH0021US	US	i7-7500U	No	Intel HD 620	16GBx1	13.3" FHD (1920x1080) IPS	Carbon	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH0022US	US	i7-7600U	vPro	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH0023US	US	i5-7200U	No	Intel HD 620	4GBx1	13.3" FHD (1920x1080) IPS	Carbon	128GB SSD M.2 SATA3	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH0024US	US	i5-7200U	No	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH0025US	US	i5-7200U	No	Intel HD 620	4GBx1	13.3" FHD (1920x1080) IPS	Carbon	128GB SSD M.2 SATA3	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH0026US	US	i5-7200U	No	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH0027US	US	i7-7500U	No	Intel HD 620	16GBx1	13.3" FHD (1920x1080) IPS	Carbon	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH0028US	US	i7-7500U	No	Intel HD 620	16GBx1	13.3" FHD (1920x1080) IPS	Carbon	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH0029US	US	i7-7600U	vPro	Intel HD 620	16GBx1	13.3" FHD (1920x1080) IPS	Carbon	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH002AUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH002BUS	US	i5-7300U	vPro	Intel HD 620	16GBx1	13.3" FHD (1920x1080) IPS	Carbon	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH002CUS	US	i5-7200U	No	Intel HD 620	4GBx1	13.3" FHD (1920x1080) IPS	Carbon	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH002DUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH002FUS	US	i7-7500U	No	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH002GUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17

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Model	Region	Processor	vPro	Graphics	Memory	Display	Case Material	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Adapter	Color	Pen	Fingerprint Reader	NFC	TPM	Power Adapter	Operating System	Warranty	Global	End of Support	Ann Date (mm/yy)
20JH002JUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	1-year, Depot	No	Apr 14, 2023	03/17
20JH002WUS	US	i5-7200U	No	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	180GB SSD M.2 SATA3 Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	3-year, Depot	No	Mar 14, 2022	03/17
20JH002XUS	US	i5-7200U	No	Intel HD 620	8GBx1	13.3" FHD (1920x1080) IPS	Carbon	180GB SSD M.2 SATA3 Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	dTPM 2.0	45W	Win10 Pro 64	3-year, Depot	No	Mar 14, 2022	03/17

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Limited warranty: Support unrelated to a warranty issue may be subject to additional charges.

Lenovo Services:
Carry-in or Mail-in Service: Parts and labor repair coverage where the customer is responsible for shipping (including packaging) or delivery to authorized warranty provider or repair center.
Depot or Courier Service: Parts and labor repair coverage where shipping (including packaging) or delivery to the repair center is paid for by Lenovo.
Expedited Depot: Parts and labor coverage with expedited turnaround. Shipping (including packaging) or delivery to the repair center is paid for by Lenovo.
Onsite / In-home Service: Parts and labor repair coverage where labor is provided onsite at your place of business.
If Lenovo determines your product problem is covered by the product warranty and cannot be resolved over the telephone, a technician will be dispatched to arrive onsite, typically the next day.
International Warranty Service (IWS): PC repair coverage for customers who require a critical warranty repair while travelling internationally. Visit www.lenovo.com/internationalwarranty for details.
Visit www.lenovo.com/warranty for Lenovo Warranty Services terms and conditions for complete details and restrictions.

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.

Battery life: Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

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Lenovo ThinkCentre

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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

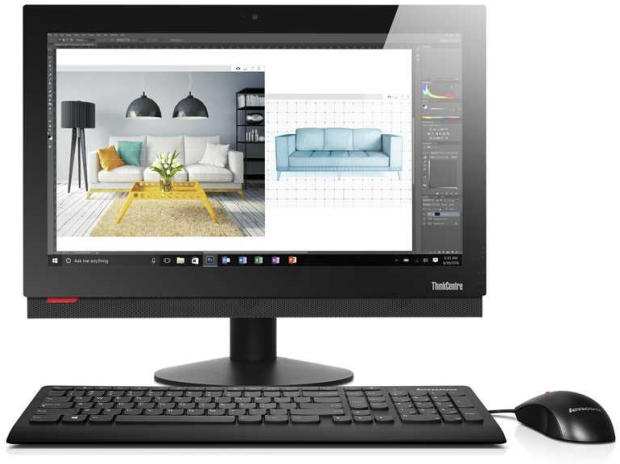
►**New model(s)**
None

►**Others**
None

Withdrawals in this update

►**Withdrawn product(s)**
ThinkCentre X1 AIO withdrawn September 2017

►**Withdrawn model(s)**
None













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ThinkCentre M810z Platform Specifications

Processor

Intel® Celeron®, Intel Pentium®, or 6th / 7th Gen Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510
Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610
Pentium G4600	2 / 4	3.6G	3 MB	DDR4-2400	HD 630
Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530
Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530
Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630
Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630
Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630
Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630

Memory

32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, dual-channel capable
* System clocks down for the processors with lower memory controller

Storage

Some: Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.5mm)
Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.5mm)

Media reader

Optional 9-in-1 media card reader

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™;
Max resolution: 4096x2304 (DP)@60Hz, 1920x1080 (Panel)@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, support Low Blue Light Mode

Multi-touch

Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch

Camera

Optional 1080p camera, fixed focus, with dual microphone, LED indicator, physical switch on/offf

Controls

Physical buttons for Microphone mute, brightness up/down, and power on/off

Chipset

Intel B250 Chipset

Rear ports

Four USB 3.1 Gen1, ethernet (RJ-45), DisplayPort, optional serial (9-pin),

Side ports

Two USB 3.1 Gen1 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)

M.2 card slot

Two M.2 Card slots (one for WLAN, one for SSD/Optane)

Audio support

High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2), Dolby® Audio™ certified

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (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 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

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

Ethernet

Gigabit ethernet, Realtek RTL8111G, Wake on LAN®

Manageability

None

Security chip

TPM (Trusted Platform Module) 2.0, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

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
- Optional cable lock to physically lock keyboard and mouse
- 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 Calliope Keyboard (USB connector), black
Some: Lenovo Traditional Keyboard (USB connector), black
Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope 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: 110mm; Swivel: +/-45°

Power supply

150 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year or 3-year, depot repair service** / service upgrades available
Some: **1-year** or **3-year**, **limited onsite service** / service upgrades available

Preload

Preloaded operating system

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD Create (DVD±RW)

- Only for Window 10
- Lenovo Companion
- Lenovo ID
- Lenovo Settings
- Cyberlink PowerDVD (DVD, DVD±RW)

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- ThinkVantage System Update
- Create Recovery Media
- Adobe® Reader®

Environment

EPEAT™ Gold rating (North America); ENERGY STAR® 6.1; TCO AIO Computer 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 **http://www.lenovoquickpick.com**

See footnotes for more detailed information

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Model	Region	Processor	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	Optical	Media Reader	USB Type-C	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Operating System	Warranty	End of Support	Ann Date (m/y)
10NX0000US	US	i5-7400	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0001US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0002US	US	i5-7400	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0003US	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	512GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0005US	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0006US	US	i5-7400	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0007US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0008US	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0009US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	512GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX000MUS	US	i5-7400	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NX000NUS	US	i5-7500	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NX000PUS	US	Pentium G4560	Intel HD 610	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NX000QUS	US	i3-7100	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NX000RUS	US	i3-7100	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17

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Model	Region	Processor	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	Optical	Media Reader	USB Type-C	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Operating System	Warranty	End of Support	Ann Date (m/y)
10NY0002US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0003US	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0004US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0005US	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0006US	US	i5-7400	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0007US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0008US	US	i5-7400	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0009US	US	i5-7400	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY000BUS	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY000CUS	US	i5-7500	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY000QUS	US	Pentium G4400	Intel HD 510	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000RUS	US	i5-6500	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000SUS	US	i5-7400	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NY000TUS	US	i5-6500	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000UUS	US	i7-6700	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000VUS	US	i7-6700	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000WUS	US	i7-6700	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000XUS	US	i5-6500	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000YUS	US	i3-6100	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY0010US	US	i3-6100	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17

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Model	Region	Processor	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	Optical	Media Reader	USB Type-C	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Operating System	Warranty	End of Support	Ann Date (m/y)
10NY0011US	US	i5-7500	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NY0012US	US	i5-6500	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY0013US	US	Pentium G4560	Intel HD 610	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NY0014US	US	i3-7100	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NY0015US	US	i3-7100	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17

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ThinkCentre M910z Platform Specifications

Processor

Intel® Celeron®, Intel Pentium®, or 6th / 7th Gen Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530
Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630
Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630
Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630

Memory

32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, dual-channel capable
* System clocks down for the processors with lower memory controller

Storage

Some: Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.5mm)
Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.5mm)

Media reader

Optional 9-in-1 media card reader

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™;
Max resolution: 4096x2304 (DP)@60Hz, 1920x1080 (Panel)@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, support Low Blue Light Mode, work as standalone monitor via DisplayPort (DP in / out combo)

Multi-touch

Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch

Camera

Optional 1080p camera, fixed focus, with dual microphone, LED indicator, physical switch on/offf

Controls

Physical buttons for Microphone mute, monitor mode switch, brightness up/down, and power on/off

Chipset

Intel Q270 Chipset

Rear ports

Four USB 3.1 Gen1, ethernet (RJ-45), DisplayPort in/out combo port, optional serial (9-pin)

Side ports

Two USB 3.1 Gen1 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm), optional USB 3.1 Type-C Gen1

M.2 card slot

Two M.2 Card slots (one for WLAN, one for SSD/Optane)

Audio support

High Definition (HD) Audio, Realtek ALC233 / two internal speakers (3W x 2), Dolby® Audio™ certified

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (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 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2

Bluetooth™

Some: Bluetooth 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

TPM (Trusted Platform Module) 2.0, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

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
- Optional cable lock to physically lock keyboard and mouse
- 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 Calliope Keyboard (USB connector), black
Some: Lenovo Traditional Keyboard (USB connector), black
Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope 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: 110mm; Swivel: +/-45°

Power supply

150 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year or 3-year, depot repair service** / service upgrades available
Some: **1-year** or **3-year**, **limited onsite service** / service upgrades available

Preload

Preloaded operating system

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD Create (DVD±RW)

- Only for Window 10
- Lenovo Companion
- Lenovo ID
- Lenovo Settings
- Cyberlink PowerDVD (DVD, DVD±RW)

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- ThinkVantage System Update
- Create Recovery Media
- Adobe® Reader®

Environment

EPEAT™ Gold rating (North America); ENERGY STAR® 6.1; TCO AIO Computer Certified; 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 **http://www.lenovoquickpick.com**

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	Optical	Media Reader	USB Type-C	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Operating System	Warranty	End of Support	Ann Date (m/y)
10NR000HUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000KUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000LUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000MUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000PUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000QUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000RUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR0017US	US	i5-7500	vPro	Intel HD 630	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NR0018US	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	Optical	Media Reader	USB Type-C	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Operating System	Warranty	End of Support	Ann Date (m/y)
10NS0001US	US	i5-7500	vPro	Intel HD 630	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS0003US	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS0004US	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS0006US	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS0007US	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS0008US	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS000AUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS000UUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS000VUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS000WUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS000XUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS000YUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS0010US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS0011US	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NS0012US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS0013US	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NS0014US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS0015US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS0016US	US	i5-7500	vPro	Intel HD 630	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NS0017US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17

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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 (not support DP to HDMI dongle) 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: Windows 10 IoT Enterprise
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
10G9000WUS	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 DG Win7 Pro 64	1-year, Onsite	04/16
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

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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)
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
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
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
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
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
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
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
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
10KH002VUS	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 V2	1-year, Onsite	01/17
10KH002WUS	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%	LeTOS V2	1-year, Onsite	01/17
10KH002XUS	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%	LeTOS V2	1-year, Onsite	01/17
10KH002YUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB 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 V2	1-year, Onsite	01/17
10KH0030US	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 V2	1-year, Onsite	01/17
10KH0031US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB 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 V2	1-year, Onsite	01/17

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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)
10KH0032US	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 V2	1-year, Onsite	01/17
10KH0033US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB 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 V2	1-year, Onsite	01/17
10KH0034US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB 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 V2	1-year, Onsite	01/17
10KH003MUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	None	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	1-year, Onsite	03/17
10KH003PUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	1-year, Onsite	04/17
10KH003QUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	1-year, Onsite	04/17
10KH003RUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	1-year, Onsite	04/17
10KH003SUS	US	1L	Celeron N3010	No	Intel HD 400	None	8GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	1-year, Onsite	04/17
10KH0047US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB 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 V2	1-year, Onsite	05/17
10KH0048US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	1-year, Onsite	05/17
10KH0049US	US	1L	Celeron N3010	No	Intel HD 400	None	2GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	1-year, Onsite	05/17
10KH004AUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	1-year, Onsite	05/17
10KH004BUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	1-year, Onsite	05/17

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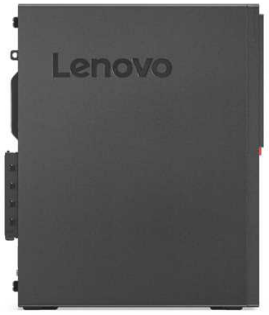

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ThinkCentre M710 SFF Platform Specifications

Processor

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

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510
Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610
Pentium G4600	2 / 4	3.6G	3 MB	DDR4-2400	HD 630
Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530
Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530
Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630
Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630
Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630
Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630

Memory

64GB max, UDIMM, DDR4-2400, four 288-pin DIMM sockets, non-ECC, dual-channel capable*
* System automatically clocks down for the processors with lower memory controller

Storage

Some: Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)
Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)

Onboard SATA

Three onboard SATA 6.0Gb/s connectors

Media reader

Optional 7-in-1 media reader

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz
Some: **NVIDIA Geforce® GT 730**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;

Monitor cable

Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4

Chipset

Intel B250 Chipset

Front ports

Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)

Rear ports

Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, two PS/2 ports (keyboard/mouse);
additional DisplayPort 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 QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (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 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

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

Ethernet

Gigabit ethernet, Realtek RTL8111GN, Wake on LAN®

Modem

None

Manageability

None

Security chip

TPM (Trusted Platform Module) 2.0, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Padlock loop
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- 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: Lenovo Calliope Keyboard (USB connector), black
Some: Lenovo Traditional Keyboard (USB connector), black
Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- SFF (8.4L), black color; metal case
- *(WxDxH)* 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm
- Approx. 13.2 lb (6.0 kg), weight may vary by configuration
- Toolless cover, disk, optical removal
- Optional dust filter

Bay 1: Slim external ODD bay
Bay 2: 3.5", 1" high, internal, HDD/SSD
Bay 3: 2.5", internal, HDD/SSD (optional bay)
Slot 1: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x16*
Slot 2: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x1*
Slot 3: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x1*
Slot 4: no slot, only bracket for optional port extension*
M.2 card slots: Two (one for WLAN, one for SSD/Optane)
* Optional front USB3.1 Type-C x2 module occupies PCIe x16 slot (x4 card), optional rear 2x USB2.0 / parallel / 2nd serial occupies one expansion slot

Floor Stand

Optional system floor stand for vertical orientation

Power supply

Some: 180 watts, autosensing, 85% PSU
Some: 210 watts, autosensing, 85% PSU
Some: 210 watts, autosensing, 92% PSU (only available via special bid)

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® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD Create (DVD±RW)

- Only for Window 10
- Lenovo Companion
- Lenovo ID
- Cyberlink PowerDVD (DVD, DVD±RW)

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- Create Recovery Media
- Adobe® Reader®

Environment

ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

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	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M7000DUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000EUS	US	i7-7700	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000FUS	US	i7-7700	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000GUS	US	i7-7700	No	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000HUS	US	i5-7400	No	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000JUS	US	i5-7400	No	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000KUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000LUS	US	i5-7400	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000MUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000NUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000PUS	US	i5-7400	No	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000QUS	US	i5-7400	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000RUS	US	i7-7700	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000SUS	US	i5-7400	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000TUS	US	i7-7700	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7002WUS	US	i5-7400	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7002XUS	US	Pentium G4560	No	Intel HD 610	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7002YUS	US	i3-7100	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M70030US	US	i5-6500	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70031US	US	i3-7100	No	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17

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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	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M70032US	US	i7-6700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70033US	US	i7-6700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70034US	US	i5-7400	No	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M70035US	US	i7-6700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70036US	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70037US	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	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70038US	US	i5-6500	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70039US	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003AUS	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003BUS	US	Pentium G4560	No	Intel HD 610	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7003CUS	US	i3-6100	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003DUS	US	i3-7100	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7003EUS	US	i7-6700	No	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003FUS	US	i3-6100	No	Intel HD 530	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003GUS	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003HUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003JUS	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003KUS	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	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003LUS	US	i3-7100	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7003MUS	US	i5-6500	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17

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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	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M7003NUS	US	i7-6700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003PUS	US	i3-6100	No	Intel HD 530	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003QUS	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	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003RUS	US	i5-6500	No	Intel HD 530	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003SUS	US	i5-6500	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003TUS	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	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003UUS	US	i3-7100	No	Intel HD 630	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7006AUS	US	i5-7400	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	09/17
10M7006BUS	US	i7-7700	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	09/17

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ThinkCentre M710 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor

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

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Pentium G4400T	2 / 2	2.9G	3 MB	DDR4-2133	HD 510
Pentium G4560T	2 / 4	2.9G	3 MB	DDR4-2400	HD 610
Pentium G4600T	2 / 4	3.0G	3 MB	DDR4-2400	HD 630
Core i3-6100T	2 / 4	3.2G	3 MB	DDR4-2133	HD 530
Core i5-6500T	4 / 4	2.5G / 3.1G	6 MB	DDR4-2133	HD 530
Core i7-6700T	4 / 8	2.8G / 3.6G	8 MB	DDR4-2133	HD 530
Core i3-7100T	2 / 4	3.4G	3 MB	DDR4-2400	HD 630
Core i5-7400T	4 / 4	2.4G / 3.0G	6 MB	DDR4-2400	HD 630
Core i5-7500T	4 / 4	2.7G / 3.3G	6 MB	DDR4-2400	HD 630
Core i5-7600T	4 / 4	2.8G / 3.7G	6 MB	DDR4-2400	HD 630
Core i7-7700T	4 / 8	2.9G / 3.8G	8 MB	DDR4-2400	HD 630

Memory

32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable
* System automatically clocks down for the processors with lower memory controller

Storage

Some: Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

Optical

Some: DVD-ROM, slim (9.0mm), via USB external ODD box
Some: DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box

Onboard SATA

One onboard SATA 6.0Gb/s connector

Media reader

None

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional video port (HDMI, VGA, 3rd DP, or USB 3.1 Type-C with DisplayPort Alternate Mode), up to 3 independent displays;
Max resolution: 4096x2304 (DP)@60Hz; 4096x2304 (Type-C)@60Hz; 4096x2160 (HDMI)@24Hz; 1920x1200 (VGA)@60Hz

Monitor cable

Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4

Chipset

Intel B250 Chipset

Front ports

Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)

Rear ports

Four USB 3.1 Gen1 (optional external optical box or external I/O box occupies one or two specific USB 3.1 Gen1 on some models), ethernet (RJ-45), two DisplayPort, two optional ports (Port 1 for VGA / 3rd DP / HDMI / serial / USB 3.1 Type-C Gen 1 (with DisplayPort Alternate Mode), Port 2 for serial)

I/O box

Optional external I/O box, extends two USB 2.0, two USB 3.1 Gen1, and one serial on rear, two USB 2.0 on front, via USB cable (occupy two specific USB 3.1 Gen1 of Tiny)

Audio support

High Definition (HD) Audio, Realtek ALC294 / optional internal speaker (1w or 2w)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (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 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

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

Ethernet

Gigabit ethernet, Intel Ethernet Connection I219-V (Jacksonville), Wake on LAN®

Modem

None

Manageability

None

Security chip

TPM (Trusted Platform Module) 2.0*, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- 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: Lenovo Calliope Keyboard (USB connector), black
Some: Lenovo Traditional Keyboard (USB connector), black
Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

Tiny (1L), black color; metal case
- Toolless chanssis open
- Toolless HDD, SSD, memory removal
- Optional toolless chanssis screw
- Optional dust filter

	Dimensions (WxDxH)	Weight (Approx.)
M710 Tiny only	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.91 lb (1.32 kg), vary by config
With VESA mount & ODD box	7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm	3.66 lb (1.66 kg), vary by config
With VESA mount & I/O box	7.42" X 7.30" X 2.62" 188.4mm X 185.38mm X 66.6mm	3.66 lb (1.66 kg), vary by config

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

Preload

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD Create (DVD±RW)

- Only for Window 10
- Lenovo Companion
- Lenovo ID
- Cyberlink PowerDVD (DVD, DVD±RW)

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- Create Recovery Media
- Adobe® Reader®

Environment

ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)

MIL-SPEC test

MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

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	End of Support	Ann Date (mm/yy)
10MR0001US	US	i7-7700T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0002US	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0003US	US	i7-7700T	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 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	Mar 21, 2023	02/17
10MR0004US	US	i5-7500T	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 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	Feb 21, 2022	02/17
10MR0005US	US	i5-7500T	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0006US	US	i5-7500T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0007US	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MR0008US	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0009US	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000AUS	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MR000BUS	US	i7-7700T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MR000CUS	US	i5-7500T	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 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	Mar 21, 2023	02/17
10MR000DUS	US	i5-7500T	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2023	02/17
10MR000EUS	US	i7-7700T	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 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	Mar 21, 2023	02/17
10MR000FUS	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000GUS	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MR000HUS	US	i7-7700T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MR000JUS	US	i5-7500T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MR000KUS	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR002PUS	US	i3-7100T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17

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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	End of Support	Ann Date (mm/yy)
10MR002QUS	US	i3-7100T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002RUS	US	Pentium G4560T	No	Intel HD 610	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002SUS	US	i3-7100T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002TUS	US	i3-7100T	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002UUS	US	i3-7100T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002VUS	US	i3-7100T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002WUS	US	i3-7100T	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002XUS	US	i3-7100T	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR003UUS	US	i5-7500T	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MR003VUS	US	i5-7500T	No	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 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	Apr 21, 2023	03/17
10MR003WUS	US	i7-7700T	No	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 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	Apr 21, 2023	03/17
10MR003XUS	US	i5-7400T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17
10MR003YUS	US	i5-7400T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17
10MR0040US	US	i5-7400T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0041US	US	i5-7400T	No	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0042US	US	i5-7400T	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0043US	US	i5-7400T	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MR0044US	US	i5-7400T	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 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	Apr 21, 2023	03/17
10MR0045US	US	i3-6100T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + 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	Apr 21, 2023	03/17
10MR0046US	US	i7-6700T	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 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	Apr 21, 2023	03/17

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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	End of Support	Ann Date (mm/yy)
10MR0047US	US	i5-6500T	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 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	Mar 21, 2022	03/17
10MR0048US	US	i5-6500T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + 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	Apr 21, 2023	03/17
10MR0049US	US	i3-6100T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + 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	Apr 21, 2023	03/17
10MR004AUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + 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	Apr 21, 2023	03/17
10MR004BUS	US	i5-6500T	No	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 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	Apr 21, 2023	03/17
10MR004CUS	US	i5-6500T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	8265 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	Apr 21, 2023	03/17
10MR004DUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17
10MR004EUS	US	i3-6100T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + 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	Apr 21, 2023	03/17
10MR004FUS	US	i5-6500T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + 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	Apr 21, 2023	03/17
10MR004GUS	US	i3-6100T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	3165 ac, 1x1 + 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	Apr 21, 2023	03/17
10MR004HUS	US	i5-6500T	No	Intel HD 530	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MR004JUS	US	i3-6100T	No	Intel HD 530	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + 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	Apr 21, 2023	03/17
10MR004KUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 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	Apr 21, 2023	03/17
10MR004LUS	US	i7-6700T	No	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	8265 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	Apr 21, 2023	03/17
10MR004MUS	US	i5-6500T	No	Intel HD 530	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + 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	Apr 21, 2023	03/17
10MR0062US	US	i5-7400T	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MR0063US	US	i5-7400T	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MR0064US	US	i7-7700T	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MR0065US	US	i7-7700T	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MR0066US	US	i3-7100T	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17

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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	End of Support	Ann Date (mm/yy)
10MR0067US	US	i3-7100T	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17

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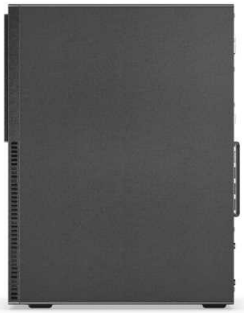



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ThinkCentre M710 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor

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

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510
Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610
Pentium G4600	2 / 4	3.6G	3 MB	DDR4-2400	HD 630
Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530
Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530
Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630
Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630
Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630
Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630

Memory

64GB max, UDIMM, DDR4-2400*, four 288-pin DIMM sockets, non-ECC, dual-channel capable
* System automatically clocks down for the processors with lower memory controller

Storage

Some: Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)
Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)

Onboard SATA

Three onboard SATA 6.0Gb/s connectors

Media reader

Optional 7-in-1 media reader

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz
Some: **NVIDIA Geforce® GT 730**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;
Some: **AMD Radeon™ R7 350**, DirectX 11, 2GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 75 watts, occupies two slots;
Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz

Monitor Cable

Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4

Chipset

Intel B250 Chipset

Front ports

Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)

Rear ports

Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, two PS/2 ports (keyboard/mouse);
additional VGA, DisplayPort, 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 QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (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 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

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

Ethernet

Gigabit ethernet, Realtek RTL8111GN, Wake on LAN®

Modem

None

Manageability

None

Security chip

TPM (Trusted Platform Module) 2.0, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Padlock loop
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- 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: Lenovo Calliope Keyboard (USB connector), black
Some: Lenovo Traditional Keyboard (USB connector), black
Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Tower (15L), black color, metal case
- *(WxDxH)* 5.7" X 11.5" X 14.4"; 145mm X 292.7mm X 366mm
- Approx. 14.3 lb (6.5 kg), weight may vary by configuration
- Optional dust filter

Bay 1: Slim external ODD bay
Bay 2: 3.5", 1" high, internal, HDD/SSD
Bay 3: 3.5", 1" high, internal, HDD/SSD
Slot 1: half-length full-height (length < 189mm, height < 104mm), PCIe 3.0 x16*
Slot 2: half-length full-height (length < 189mm, height < 104mm), PCIe 3.0 x1*
Slot 3: half-length full-height (length < 189mm, height < 104mm), PCIe 3.0 x1*
Slot 4: no slot, only bracket for optional port extension*
M.2 card slots: Two (one for WLAN, one for SSD/Optane)
* Optional front USB3.1 Type-C x2 module occupies PCIe x16 slot (x4 card), optional rear 2x USB2.0 / parallel occupies one expansion slot

Power supply

Some: 180 watts, autosensing, 85% PSU
Some: 210 watts, autosensing, 85% PSU
Some: 210 watts, autosensing, 92% PSU (only available via special bid)

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® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD Create (DVD±RW)

- Only for Window 10
- Lenovo Companion
- Lenovo ID
- Cyberlink PowerDVD (DVD, DVD±RW)

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- Create Recovery Media
- Adobe® Reader®

Environment

ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M9000EUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000FUS	US	i5-7400	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000GUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000HUS	US	i5-7400	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000JUS	US	i5-7400	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000KUS	US	i7-7700	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000LUS	US	i7-7700	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000MUS	US	i5-7400	No	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000NUS	US	i5-7400	No	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000PUS	US	i5-7400	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000QUS	US	i7-7700	No	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000RUS	US	i5-7400	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000SUS	US	i5-7400	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000TUS	US	i7-7700	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000UUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9002UUS	US	i3-6100	No	Intel HD 530	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9002VUS	US	i3-6100	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9002WUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9002XUS	US	i5-6500	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9002YUS	US	i7-6700	No	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M90030US	US	i7-6700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90031US	US	i5-6500	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90032US	US	i5-7400	No	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M90033US	US	i7-6700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90034US	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90035US	US	i3-7100	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M90036US	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90037US	US	i3-7100	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M90038US	US	i5-6500	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90039US	US	i5-6500	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003AUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003BUS	US	i3-6100	No	Intel HD 530	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003CUS	US	i3-7100	No	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M9003DUS	US	Pentium G4560	No	Intel HD 610	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M9003EUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003FUS	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003GUS	US	i5-6500	No	Intel HD 530	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003HUS	US	i5-6500	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003JUS	US	i5-6500	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003KUS	US	i7-6700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M9003LUS	US	i3-7100	No	Intel HD 630	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17

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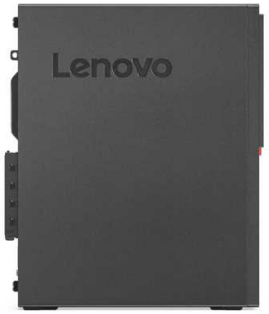

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ThinkCentre M715 SFF Platform Specifications

Processor

AMD A6 / A8 / A10 / A12 series APU and Ryzen 3 / 5 / 7 series processor

APU / processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Integrated Graphics
Ryzen 3 PRO 1200	4 / 4	3.1 / 3.4	2MB	None
Ryzen 3 PRO 1300	4 / 4	3.5 / 3.7	2MB	None
Ryzen 5 PRO 1500	4 / 8	3.5 / 3.7	2MB	None
Ryzen 7 PRO 1700	8 / 16	3.0 / 3.7	4MB	None
PRO A6-8570	2 / 2	3.5 / 3.8	1MB	Radeon R5 Series
PRO A10-8770	4 / 4	3.5 / 3.8	2MB	Radeon R7 Series
PRO A12-8870	4 / 4	3.7 / 4.2	2MB	Radeon R7 Series
PRO A6-9500	2 / 2	3.5 / 3.8	1MB	Radeon R5 Series
PRO A8-9600	4 / 4	3.1 / 3.4	2MB	Radeon R7 Series
PRO A10-9700	4 / 4	3.5 / 3.8	2MB	Radeon R7 Series
PRO A12-9800	4 / 4	3.8 / 4.2	2MB	Radeon R7 Series

Memory

64GB max, UDIMM, DDR4-2400, four 288-pin DIMM sockets, non-ECC, dual-channel capable*
* System automatically clocks down for the processors with lower memory controller

Storage

Some: Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)
Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)

Onboard SATA

Three onboard SATA 6.0Gb/s connectors

Media reader

Optional 7-in-1 media reader

Graphics

AMD Radeon™ Graphics in processor (not for AMD Ryzen processor), uses main memory, DirectX® 12, one VGA, two DisplayPort™ (Onboard VGA and DP ports are invalid on the models with AMD Ryzen processor), supports 3 independent displays, works along with AMD discrete graphics to support more displays;
Max resolution: 4096x2160 (DP)@60Hz; 1920x1200 (VGA)@60Hz
Some: **NVIDIA Geforce® GT 730**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;

Monitor cable

Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4

Chipset

AMD B350 Chipset

Front ports

Two USB 3.1 Gen2, two USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)

Rear ports

Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA and two DisplayPort (not available on models with AMD Ryzen processor), two PS/2 ports (keyboard / mouse);
additional DisplayPort 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

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 QCA6174A (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

Security chip

TPM (Trusted Platform Module) 2.0, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Padlock loop
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- 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: Lenovo Calliope Keyboard (USB connector), black
Some: Lenovo Traditional Keyboard (USB connector), black
Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
Some: Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black

Mechanical

- SFF (8.4L), black color; metal case
- *(WxDxH)* 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm
- Approx. 13.2 lb (6.0 kg), weight may vary by configuration
- Toolless cover, disk, optical removal
- Optional dust filter

Bay 1: Slim external ODD bay
Bay 2: 3.5", nternal, HDD/SSD
Bay 3: 2.5", internal, HDD/SSD (bay only comes with 2.5" 2nd disk)
Slot 1: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x16*
Slot 2: low-profile (length < 150mm, height < 68mm), PCIe 2.0 x1*
Slot 3: low-profile (length < 150mm, height < 68mm), PCIe 2.0 x1*
Slot 4: no slot, only bracket for optional port extension*
M.2 card slots: two (one for WLAN, one for SSD)
* Optional front USB3.1 Type-C x2 module occupies PCIe x16 slot (x4 card), optional rear 2x USB2.0 / parallel / 2nd serial occupies one expansion slot

Floor Stand

Optional system floor stand for vertical orientation

Power supply

Some: 180 watts, autosensing, 85% PSU
Some: 210 watts, autosensing, 85% PSU
Some: 210 watts, autosensing, 92% PSU (only available via special bid)

Limited warranty

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® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (Only available with Pro A6/A10/A12-8xxx APUs)
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Microsoft Office preloaded; purchase a product key to activate

- Only for Window 10
- Lenovo Companion
- Lenovo ID

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- Create Recovery Media
- Adobe® Reader®
- Cyberlink PowerDVD Create (DVD±RW)

Environment

ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10MB0018US	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB0019US	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001AUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001BUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001CUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001DUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001EUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001FUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001GUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001HUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001JUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001KUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001LUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001MUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001NUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001PUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001QUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001RUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001SUS	US	AMD PRO A6-8570	No	AMD R5 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB001TUS	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10MB001UUS	US	AMD PRO A6-8570	No	AMD R5 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB001VUS	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB001WUS	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB001XUS	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB001YUS	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0020US	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0021US	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0022US	US	AMD PRO A6-8570	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0023US	US	AMD PRO A6-8570	No	AMD R5 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0024US	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0025US	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0026US	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0027US	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0028US	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0029US	US	AMD PRO A6-8570	No	AMD R5 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB002AUS	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB002BUS	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB002CUS	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB002DUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002EUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10MB002FUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002GUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002HUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002JUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002KUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002LUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002MUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002PUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002QUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002RUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002SUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002TUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002UUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002VUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002WUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002XUS	US	AMD Ryzen 7 PRO 1700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002YUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0030US	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0031US	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0032US	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10MB0033US	US	AMD Ryzen 7 PRO 1700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0034US	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0035US	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0036US	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0037US	US	AMD Ryzen 7 PRO 1700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0038US	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0039US	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003AUS	US	AMD Ryzen 7 PRO 1700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003BUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003CUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	4GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003DUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003EUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003FUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003GUS	US	AMD Ryzen 7 PRO 1700	No	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003HUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17

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ThinkCentre M715 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor

AMD A6, A10, or A12 series APUs

APU	Cores	Frequency Base/Max	L2 Cache	Memory Types	Integrated Graphics
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 memory is only available via special bid models

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / SATA interface or PCIe NVMe interface

Optical

Some: DVD-ROM, 9.0mm high, via USB external ODD box
Some: DVD±RW, 9.0mm high, via USB external ODD box

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 port (HDMI, VGA, or 3rd DP), supports 3 independent displays (supports maximum of 2 concurrent HDMI/DVI displays when using HDMI port or DP to DVI/HDMI dongles);
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)
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

Preload

Preloaded operating system

Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit
Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit

Preloaded applications (only some listed)

- WIndows 10 only

- 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)

- Windows 7 only

- 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* (*Not for non-OS models); ErP Lot 3; GREENGUARD®; RoHS-compliant

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

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 PRO A6-9500E	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	11/16
10M30002US	US	AMD PRO A10-9700E	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 PRO A12-9800E	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 PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	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 PRO A6-9500E	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 PRO A10-9700E	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 PRO A12-9800E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	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 PRO A12-9800E	No	AMD R7 Graphics	None	4GBx1	128GB SSD M.2 PCIe NVMe	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 PRO A10-9700E	No	AMD R7 Graphics	None	4GBx1	128GB SSD M.2 PCIe NVMe	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 PRO A10-9700E	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
10M3000NUS	US	AMD PRO A12-8870E	No	AMD R7 Graphics	None	8GBx2	512GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000PUS	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	8GBx2	512GB SSD M.2 PCIe NVMe	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	01/17
10M3000QUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000RUS	US	AMD PRO A10-8770E	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 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000SUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000TUS	US	AMD PRO A10-8770E	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 DG Win7 Pro 64	3-year, Onsite	01/17

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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	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	OS	War-ranty	Ann Date (m/y)
10M3000UUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000VUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000WUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe	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	01/17
10M3000XUS	US	AMD PRO A12-8870E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000YUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	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 DG Win7 Pro 64	3-year, Onsite	01/17
10M30010US	US	AMD PRO 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	01/17
10M30011US	US	AMD PRO A12-8870E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 DG Win7 Pro 64	3-year, Onsite	01/17

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ThinkCentre M715 Tiny Thin Client Platform Specifications

Processor

AMD A6, A10, or A12 series APUs

APU	Cores	Frequency Base/Max	L2 Cache	Memory Types	Integrated Graphics
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

*PRO A12-8870E (support Windows 10 IOT only) is only available via special bid models

Memory

4GB max, DDR4 2400, two 260-pin SO-DIMM sockets

Disk

Some: 256GB Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"*
*256GB SATA (support Windows 10 IOT only) is only available via special bid models
Some: 32GB M.2 Solid State Drive (SSD) / SATA interface
Some: 128GB M.2 Solid State Drive (SSD) / PCIe NVMe interface

Optical

None

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 port (HDMI, VGA, or 3rd DP), supports 3 independent displays (supports maximum of 2 concurrent HDMI/DVI displays when using HDMI port or DP to DVI/HDMI dongles);
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

None

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

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

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

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 Embedded Standard 7 V2 (WES 7 V2)
Some: Windows 10 IoT Enterprise
Some: LeTOS V2 (Lenovo Terminal Operating System, Linux-based)

Environment

ENERGY STAR® 6.1*, EPEAT™ Gold rating* (*not for non-OS models); ErP Lot 3; GREENGUARD®; RoHS-compliant

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

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)
10RB0000US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7 V2	3-year, Onsite	07/17
10RB0001US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB0002US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7 V2	3-year, Onsite	07/17
10RB0003US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7 V2	3-year, Onsite	07/17
10RB0004US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	3-year, Onsite	07/17
10RB0005US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	3-year, Onsite	07/17
10RB0006US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	3-year, Onsite	07/17
10RB0007US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB0008US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB0009US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7 V2	3-year, Onsite	07/17
10RB000AUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000BUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000CUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	3-year, Onsite	07/17
10RB000DUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000EUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	3-year, Onsite	07/17
10RB000FUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000GUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000HUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7 V2	3-year, Onsite	07/17
10RB000JUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000KUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	3-year, Onsite	07/17

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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	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	OS	War-ranty	Ann Date (m/y)
10RB000LUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000MUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	3-year, Onsite	07/17
10RB000NUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	3-year, Onsite	07/17
10RB000PUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7 V2	3-year, Onsite	07/17
10RB000QUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7 V2	3-year, Onsite	07/17
10RB000RUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7 V2	3-year, Onsite	07/17
10RB000SUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	3-year, Onsite	07/17
10RB000TUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7 V2	3-year, Onsite	07/17
10RB000UUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	LeTOS V2	3-year, Onsite	07/17
10RB000VUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	WES 7 V2	3-year, Onsite	07/17

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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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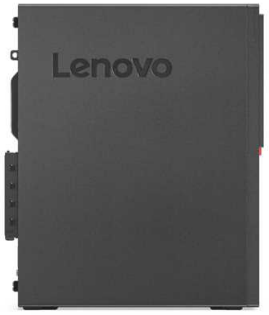

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ThinkCentre M910 SFF Platform Specifications

Processor

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

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530
Core i3-7300	2 / 4	4.0G / --	4 MB	DDR4-2400	HD 630
Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630
Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630
Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630

Memory

64GB max, UDIMM, DDR4-2400*, four 288-pin DIMM sockets, non-ECC, dual-channel capable
* System automatically clocks down for the processors with lower memory controller

Storage

Some: Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)
Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)

Onboard SATA

Four onboard SATA 6.0Gb/s connectors, RAID 0/1 support (RAID preset only available via special bid model)

Media reader

Optional 7-in-1 media reader

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz
Some: **NVIDIA Geforce® GT 730**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;

Monitor cable

Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4

Chipset

Intel Q270 Chipset

Front ports

Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)

Rear ports

Four USB 3.1 Gen1, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional two PS/2 ports (keyboard/mouse);
additional DisplayPort 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 QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (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 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2

Bluetooth™

Some: Bluetooth 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

TPM (Trusted Platform Module) 2.0, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Padlock loop
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- 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: Lenovo Calliope Keyboard (USB connector), black
Some: Lenovo Traditional Keyboard (USB connector), black

Mouse

Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black
Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- SFF (8.4L), black color, metal case
- *(WxDxH)* 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm
- Approx. 11.92 lb (5.4 kg), weight may vary by configuration
- Toolless cover, disk, optical, graphic card removal
- Optional dust filter

Bay 1: Slim external ODD bay
Bay 2: 3.5", 1" high, internal, HDD/SSD
Bay 3: 2.5", internal, HDD/SSD (optional bay)
Slot 1: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x16*
Slot 2: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x1*
Slot 3: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x16 (x4 signal)*
Slot 4: no slot, only bracket for optional port extension*
M.2 card slots: Two (one for WLAN, one for SSD/Optane)
* Optional front USB3.1 Type-C x2 module occupies PCIe x16 (x4 signal) slot, optional rear 2x USB2.0 / parallel / 2nd serial / cable lock / Wi-Fi antenna occupies one expansion slot

Floor Stand

Optional system floor stand for vertical orientation

Power supply

Some: 180 watts, autosensing, 85% PSU
Some: 210 watts, autosensing, 85% PSU
Some: 210 watts, autosensing, 92% PSU (only available via special bid)

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® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD Create (DVD±RW)
- Intel Unite (vPro models only)

- Only for Window 10
- Lenovo Companion
- Lenovo ID
- Cyberlink PowerDVD (DVD, DVD±RW)

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- Create Recovery Media
- Adobe® Reader®

Environment

ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

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	Front Access HDD	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MK000AUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000BUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000CUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000DUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000EUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000FUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000GUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000HUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000KUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000LUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000MUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000NUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000PUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000QUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000RUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000SUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000TUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK0035US	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK0036US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK0037US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17

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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	Front Access HDD	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MK0038US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK0039US	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	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003AUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003BUS	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	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003CUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003DUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003EUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003FUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003GUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003HUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003JUS	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	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003KUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003LUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003MUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003NUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003PUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK004WUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MK004XUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17

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ThinkCentre M910 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor

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

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Core i5-6500T	4 / 4	2.5G / 3.1G	6 MB	DDR4-2133	HD 530
Core i7-6700T	4 / 8	2.8G / 3.6G	8 MB	DDR4-2133	HD 530
Core i5-7500T	4 / 4	2.7G / 3.3G	6 MB	DDR4-2400	HD 630
Core i5-7600T	4 / 4	2.8G / 3.7G	6 MB	DDR4-2400	HD 630
Core i7-7700T	4 / 8	2.9G / 3.8G	8 MB	DDR4-2400	HD 630

Memory

32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable
* System automatically clocks down for the processors with lower memory controller

Storage

Some: Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm, APS
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

Optical

Some: DVD-ROM, slim (9.0mm), via USB external ODD box
Some: DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box

Onboard SATA

One onboard SATA 6.0Gb/s connector

Media reader

None

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional video port (HDMI, VGA, 3rd DP, or USB 3.1 Type-C with DisplayPort Alternate Mode), up to 3 independent displays;
Max resolution: 4096x2304 (DP)@60Hz; 4096x2304 (Type-C)@60Hz; 4096x2160 (HDMI)@24Hz; 1920x1200 (VGA)@60Hz

Monitor cable

Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4

Chipset

Intel Q270 Chipset

Front ports

Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)

Rear ports

Four USB 3.1 Gen1 (optional external optical box or external I/O box occupies one or two specific USB 3.1 Gen1 on some models), ethernet (RJ-45), two DisplayPort, two optional ports (Port 1 for VGA / 3rd DP / HDMI / serial / USB 3.1 Type-C Gen 1 (with DisplayPort Alternate Mode), Port 2 for serial)

I/O box

Optional external I/O box, extends two USB 2.0, two USB 3.1 Gen1, and one serial on rear, two USB 2.0 on front, via USB cable (occupy two specific USB 3.1 Gen1 of Tiny)

Audio support

High Definition (HD) Audio, Realtek ALC294 / optional internal speaker (1w or 2w)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (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 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2
Some: Bluetooth 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

TPM (Trusted Platform Module) 2.0*, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- 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: Lenovo Calliope Keyboard (USB connector), black
Some: Lenovo Traditional Keyboard (USB connector), black
Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

Tiny (1L), black color; metal case
- Toolless chanssis open
- Toolless HDD, SSD, memory removal
- Optional toolless chanssis screw
- Optional dust filter

	Dimensions (WxDxH)	Weight (Approx.)
M910 Tiny only	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.91 lb (1.32 kg), vary by config
With VESA mount & ODD box	7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm	3.66 lb (1.66 kg), vary by config
With VESA mount & I/O box	7.42" X 7.30" X 2.62" 188.4mm X 185.38mm X 66.6mm	3.66 lb (1.66 kg), vary by config

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

Preload

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD Create (DVD±RW)
- Intel Unite (vPro models only)

- Only for Window 10
- Lenovo Companion
- Lenovo ID
- Cyberlink PowerDVD (DVD, DVD±RW)

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- Create Recovery Media
- Adobe® Reader®

Environment

ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)

MIL-SPEC test

MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

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	End of Support	Ann Date (mm/yy)
10MV000JUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2023	02/17
10MV000KUS	US	i7-7700T	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000LUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MV000MUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MV000NUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2023	02/17
10MV000PUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000QUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2023	02/17
10MV000RUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000SUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2023	02/17
10MV000TUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MV000UUS	US	i7-7700T	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2023	02/17
10MV000VUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MV000XUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000YUS	US	i7-7700T	vPro	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2023	02/17
10MV0010US	US	i7-7700T	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Mar 21, 2023	02/17
10MV0011US	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2023	02/17
10MV0012US	US	i5-7500T	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2023	02/17
10MV0013US	US	i7-7700T	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2023	02/17
10MV0014US	US	i5-7500T	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W Adapter 88%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV002MUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17

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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	End of Support	Ann Date (mm/yy)
10MV002NUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17
10MV002PUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx2	512GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV002QUS	US	i7-7700T	vPro	Intel HD 630	None	8GBx2	512GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV002RUS	US	i7-7700T	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17
10MV002SUS	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV002TUS	US	i7-6700T	vPro	Intel HD 530	None	16GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV002UUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17
10MV002VUS	US	i7-7700T	vPro	Intel HD 630	None	8GBx2	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17
10MV002WUS	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV002XUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx2	256GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV002YUS	US	i5-6500T	vPro	Intel HD 530	None	8GBx2	512GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV0030US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17
10MV0031US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17
10MV0032US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	Mar 21, 2022	03/17
10MV0033US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV0034US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV0035US	US	i7-7700T	vPro	Intel HD 630	None	8GBx2	256GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV0036US	US	i5-6500T	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17
10MV0037US	US	i5-6500T	vPro	Intel HD 530	None	8GBx2	256GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV0038US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	Apr 21, 2023	03/17

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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	End of Support	Ann Date (mm/yy)
10MV0039US	US	i7-6700T	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	Apr 21, 2023	03/17
10MV003KUS	US	i7-7700T	vPro	Intel HD 630	None	8GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 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	Sep 5, 2022	09/17
10MV003LUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 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	Sep 5, 2022	09/17
10MV003MUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 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	Sep 5, 2022	09/17
10MV003NUS	US	i7-7700T	vPro	Intel HD 630	None	8GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 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	Sep 5, 2022	09/17

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ThinkCentre M910 Tower Platform Specifications

Processor

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

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530
Core i3-7300	2 / 4	4.0G / --	4 MB	DDR4-2400	HD 630
Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630
Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630
Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630

Memory

64GB max, UDIMM, DDR4-2400*, four 288-pin DIMM sockets, non-ECC, dual-channel capable
* System automatically clocks down for the processors with lower memory controller

Storage

Some: Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2
Some: Front accessible and removable HDD, 3.5", lockable via physical key

Optical

Some: DVD-ROM, SATA 1.5Gb/s, 5.25" or slim (9.0mm)
Some: DVD Burner (DVD±RW), SATA 1.5Gb/s, 5.25" or slim (9.0mm)

Onboard SATA

Four onboard SATA 6.0Gb/s connectors (1x eSATA and 3x SATA), RAID 0/1 support (RAID preset only available via special bid model)

Media reader

Optional 7-in-1 media reader

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz
Some: **NVIDIA Geforce® GT 730**, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz;
Some: **AMD Radeon™ R7 350**, DirectX 11, 2GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 75 watts, occupies two slots;
Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz
Some: **NVIDIA Geforce GTX™ 1080** (only available via special bid model), DirectX 12, 8GB, PCIe 3.0 x16 adapter, one DVI-D, one HDMI, three DisplayPort, 180 watts, occupies two slots;
Max resolution: 2560x1600 (DVI-D)@60Hz; 4096x2160 (HDMI)@60Hz
7680x4320 (with Single DP)@60Hz

Monitor Cable

Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4

Chipset

Intel Q270 Chipset

Front ports

Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)

Rear ports

Four USB 3.1 Gen1, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional two PS/2 ports (keyboard/mouse);
additional VGA, DisplayPort, DVI-D, 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

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (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 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2

Bluetooth™

Some: Bluetooth 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

TPM (Trusted Platform Module) 2.0, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Padlock loop
- Smart USB protection, allows keyboard/mouse only, blocks all storage devices
- 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: Lenovo Calliope Keyboard (USB connector), black
Some: Lenovo Traditional Keyboard (USB connector), black
Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Tower (18L), black color, metal case
- *(WxDxH)* 6.5" X 12.65" X 16.15"; 165mm X 321.35mm X 410.25mm
- Approx. 15.45 lb (7 kg), weight may vary by configuration
- Toolless cover, disk, optical, graphic card removal
- Optional carry handle, dust filter

Bay 1: Slim external ODD bay
Bay 2: 5.25", 1.6" high, external, ODD / optional front access HDD
Bay 3: 3.5", 1" high, internal, HDD/SSD
Bay 4: 3.5", 1" high, internal, HDD/SSD (optional bay, bay comes with disk)
Bay 5: 2.5", internal, HDD/SSD (optional bay)
Notes: M910 Tower supports up to 3 SATA devices (ODD/HDD/SSD) and 1 eSATA device (front access HDD)
Slot 1: full-length full-height (length < 268mm, height < 112mm), PCIe 3.0 x16*
Slot 2: full-length full-height (length < 268mm, height < 112mm), PCIe 3.0 x1*
Slot 3: full-length full-height (length < 268mm, height < 112mm), PCIe 3.0 x16 (x4 signal)*
Slot 4: no slot, only bracket for optional port extension*
M.2 card slots: Two (one for WLAN, one for SSD/Optane)
* Optional front USB3.1 Type-C x2 module occupies PCIe x16 (x4 signal) slot, optional rear 2x USB2.0 / parallel / 2nd serial occupies one expansion slot

Power supply

Some: 180 watts, autosensing, 85% PSU
Some: 250 watts, autosensing, 85% PSU
Some: 400 watts, autosensing, 92% PSU (only available via special bid)

Limited warranty

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® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)

- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD Create (DVD±RW)
- Intel Unite (vPro models only)

- Only for Window 10
- Lenovo Companion
- Lenovo ID
- Cyberlink PowerDVD (DVD, DVD±RW)

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- Create Recovery Media
- Adobe® Reader®

Environment

ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	Speaker	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MM000AUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000BUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000CUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000DUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000EUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000FUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000GUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000HUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000JUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000KUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000LUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000MUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000NUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000PUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000QUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM002JUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002KUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002LUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002MUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002NUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	Speaker	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MM002PUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002QUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002RUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002SUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002TUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002UUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002VUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002WUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002XUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002YUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM0030US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM0031US	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM003AUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM003BUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17

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ThinkCentre M910x Tiny Platform Specifications

Processor

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

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Core i5-6500T	4 / 4	2.5G / 3.1G	6 MB	DDR4-2133	HD 530
Core i7-6700T	4 / 8	2.8G / 3.6G	8 MB	DDR4-2133	HD 530
Core i5-7500T	4 / 4	2.7G / 3.3G	6 MB	DDR4-2400	HD 630
Core i5-7600T	4 / 4	2.8G / 3.7G	6 MB	DDR4-2400	HD 630
Core i7-7700T	4 / 8	2.9G / 3.8G	8 MB	DDR4-2400	HD 630
Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530
Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630
Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630

Memory

32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable
* System automatically clocks down for the processors with lower memory controller

Storage

Some: Hard Drive* / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm, APS
Some: Solid State Drive (SSD)* / SATA 6.0Gb/s, 2.5"
(* 2.5" HDD/SSD and RX 460 graphics are mutually exclusive)
Some: M.2 SSD (support up to two M.2 SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s, RAID 0/1 support (RAID preset only available via special bid model)
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

Optical

Some: DVD-ROM, slim (9.0mm), via USB external ODD box
Some: DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box

Onboard SATA

One onboard SATA 6.0Gb/s connector

Media reader

None

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional video port (HDMI, VGA, 3rd DP, or USB 3.1 Type-C with DisplayPort Alternate Mode), up to 3 independent displays;
Max resolution: 4096x2304 (DP)@60Hz; 4096x2304 (Type-C)@60Hz; 4096x2160 (HDMI)@24Hz; 1920x1200 (VGA)@60Hz
Some: **AMD Radeon™ RX 460**, DirectX 12, 4GB, PCIe 3.0 x8 adapter (low profile), four mini DisplayPort, 35 watts (TDP), up to 4 independent displays, works along with 2 onboard DisplayPort to support up to 6 independent displays;
Max resolution: 5120x2880 @60Hz (up to 2 mini DisplayPort); 4096x2160 @60Hz (up to 4 mini DisplayPort)

Monitor cable

Optional DP to VGA, DP to DVI-D, DP to dual DP, mini DP to DP, or DP to HDMI 1.4

Chipset

Intel Q270 Chipset

Front ports

Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)

Rear ports

Four USB 3.1 Gen1 (optional optical box or I/O box occupies one or two specific USB 3.1 Gen1), ethernet (RJ-45), two DisplayPort, two optional ports (not available for the models with RX 460 graphics): Port 1 for [VGA / 3rd DP / HDMI / serial / USB 3.1 Type-C Gen 1 (with DisplayPort Alternate Mode)]; Port 2 for [serial]

I/O box

Optional external I/O box, extends two USB 2.0, two USB 3.1 Gen1, and one serial on rear, two USB 2.0 on front, via USB cable (occupy 2 specific USB 3.1 G1 of Tiny)

Audio support

High Definition (HD) Audio, Realtek ALC294 / optional internal speaker (1w or 2w)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (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 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2
Some: Bluetooth 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

TPM (Trusted Platform Module) 2.0*, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

Security features

- Security slot (in rear for optional Kensington® MicroSaver® cable)
- 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: Lenovo Calliope Keyboard (USB connector), black
Some: Lenovo Traditional Keyboard (USB connector), black
Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

Tiny (1L), black color; metal case
- Toolless chanssis open
- Toolless HDD, SSD, memory removal
- Optional toolless chanssis screw
- Optional dust filter

	Dimensions (WxDxH)	Weight (Approx.)
M910 Tiny only	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.91 lb (1.32 kg), vary by config
With VESA mount & ODD box	7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm	3.66 lb (1.66 kg), vary by config
With VESA mount & I/O box	7.42" X 7.30" X 2.62" 188.4mm X 185.38mm X 66.6mm	3.66 lb (1.66 kg), vary by config

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

Preload

Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit

Preloaded applications (only some listed)
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD Create (DVD±RW)
- Intel Unite (vPro models only)

- Only for Window 10
- Lenovo Companion
- Lenovo ID
- Cyberlink PowerDVD (DVD, DVD±RW)

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- Create Recovery Media
- Adobe® Reader®

Environment

ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)

MIL-SPEC test

MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com**

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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)
10N00007SS	US	i5-7600	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N00007US	US	i5-7600	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N00008SS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	04/17
10N00008US	US	i5-7500	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 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	04/17
10N00009SS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	04/17
10N00009US	US	i7-7700	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	04/17
10N0000ASS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0000AUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0000BSS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	04/17
10N0000BUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	04/17
10N00014US	US	i5-6500T	vPro	AMD RX460 4GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N00015SS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N00015US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N00016SS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N00016US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N00017US	US	i7-6700T	vPro	AMD RX460 4GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N00018SS	US	i5-7500T	vPro	AMD RX460 4GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N00018US	US	i5-7500T	vPro	AMD RX460 4GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N00019US	US	i5-6500T	vPro	AMD RX460 4GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001ASS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	04/17

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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)
10N0001AUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	04/17
10N0001BSS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001BUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001CSS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	04/17
10N0001CUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8265 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	04/17
10N0001DSS	US	i5-7500T	vPro	AMD RX460 4GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001DUS	US	i5-7500T	vPro	AMD RX460 4GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001ESS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001EUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001FSS	US	i7-7700T	vPro	AMD RX460 4GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001FUS	US	i7-7700T	vPro	AMD RX460 4GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001GSS	US	i7-7700T	vPro	AMD RX460 4GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001GUS	US	i7-7700T	vPro	AMD RX460 4GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001HUS	US	i7-6700T	vPro	AMD RX460 4GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	04/17
10N0001JUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 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	07/17
10N0001KUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 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	07/17

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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	0.24795 mm	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	0.24795 mm	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) 22 Gen3

Model	*Non-touch model:* 10R1PAR1++/10R1PAT1++; *Touch model:* 10R0PAR1++/10R0PAT1++
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO, clean cabling and effortless setup
Compatible Tiny:	M910 / M710 / M900 / M700 / M600 / M715 / M93/p* / M83 / M73* / M53 / Chromebox Tiny * Non-TIO models can't be turned on by pressing power button of TIO
Panel	TFT-LCD, In-Plane Switching technology**, White LED backlight *Notes:* In-Plane Switching may refer to VA, PLS, and IPS panels
Viewable image size	21.5" (546.1mm) diagonal
Max view area (W x H)	18.74" x 10.54" / 476.1mm x 267.8mm
Bezel Width	Top / Side: 2mm, Bottom: 22.1mm
Native resolution	**1920x1080**
Multi-touch	Optional 10-point multi-touch, supports Wake on Touch
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	14ms (default), over drive to 4ms, 6ms
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	*Ftont:* Exit button, Left / Mode-switching button (TIO / monitor mode), Right / Brightness button, Enter / Menu button, Power button *Bottom:* Volume up button, Volume down 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)
Side ports (TIO)	One USB 3.1 Gen1 / USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port) *Notes:* The USB port is only available when a Tiny is istalled or a PC is connected via USB upstream port
Side ports (Tiny)	Side ports offered by installed Tiny (optional)
Rear ports	One DisplayPort in port, one USB upstream port, one power connector
3-in-1 Cable	Undetachable 3-in-1 cable (Power connecter, USB [supports USB 3.1 Gen1 / USB 2.0], DisplayPort), only for connecting to Tiny installed (optional)
Camera	720p camera with dual microphone for VOIP, LED indicator
Internal Speaker	2 watt x2
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO together, more security features offered by Tiny installed (optional)

Mechanical

Dimensions	TIO without stand	TIO with stand
W x D x H (inch)	19.26 x 2.85 x 13.35	19.26 x 10.76 x 14.59 - 18.93
W x D x H (mm)	489.3 x 72.5 x 339	489.3 x 273.3 x 370.7 - 480.7
Weight (Approx.)	7.01 lb / 3.19 kg	11.77 lb / 5.34 kg

Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Adjustable stand	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; *Pivot:* clockwise 0° to 90°
Power supply Power consumption	90 watts AC/DC adapter, 88% PSU, universal 19 watts typical, 32 watts maximum, <0.5 watts standby / suspend
Limited warranty	**3-years**, Customer Carry-In or Mail-In via Rapid Replacement Service
VESA-compliant Ergonomics Emission standards Environmental	VESA DDC2B/CI, VESA DPMS-compliant ISO 9241-307, TUV Eye Comfort certified FCC Class B TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0, EPEAT™ Gold rating, ULE Gold, TUV, VOC
Windows certifications	Windows 7 and Windows 10 certified
Ship group	TIO (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 Gen3 Compatible list

Model	M910 / M710 / M900 / M700 / M600 / M715 / M83 / 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

Model	Product	Region	Color	Display Size	Multi-touch	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)
10R0PAR1US	ThinkCentre Tiny-in-One 22 Gen3	US	Black	21.5"	10-point Multi-touch	1920x1080	16:9	0.24795 mm	102.4 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17
10R0PAT1US	ThinkCentre Tiny-in-One 22 Gen3	US	Black	21.5"	10-point Multi-touch	1920x1080	16:9	0.24795 mm	102.4 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17

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Model	Product	Region	Color	Display Size	Multi-touch	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)
10R1PAR1US	ThinkCentre Tiny-in-One 22 Gen3	US	Black	21.5"	None	1920x1080	16:9	0.24795 mm	102.4 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17
10R1PAT1US	ThinkCentre Tiny-in-One 22 Gen3	US	Black	21.5"	None	1920x1080	16:9	0.24795 mm	102.4 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17

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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	0.2745 mm	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	0.2745 mm	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 Tiny-in-One (TIO) 24 Gen3

Model	*Non-touch model:* 10QYPAR1++/10QYPAT1++; *Touch model:* 10QXPAR1++/10QXPAT1++
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO, clean cabling and effortless setup
Compatible Tiny:	M910 / M710 / M900 / M700 / M600 / M715 / M93/p* / M83 / M73* / M53 / Chromebox Tiny * Non-TIO models can't be turned on by pressing power button of TIO
Panel	TFT-LCD, In-Plane Switching technology**, White LED backlight *Notes:* In-Plane Switching may refer to VA, PLS, and IPS panels
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: 22.1mm
Native resolution	**1920x1080**
Multi-touch	Optional 10-point multi-touch, supports Wake on Touch
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	14ms (default), over drive to 4ms, 6ms
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, 67Hz, 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	Ftont: Exit button, Left / Mode-switching button (TIO / monitor mode), Right / Brightness button, Enter / Menu button, Power button Bottom: Volume up button, Volume down 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)
Side ports (TIO)	One USB 3.1 Gen1 / USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port) *Notes:* The USB port is only available when a Tiny is istalled or a PC is connected via USB upstream port
Side ports (Tiny)	Side ports offered by installed Tiny (optional)
Rear ports	One DisplayPort in port, one USB upstream port, one power connector
3-in-1 Cable	Undetachable 3-in-1 cable (Power connecter, USB [supports USB 3.1 Gen1 / USB 2.0], DisplayPort), only for connecting to Tiny installed (optional)
Camera	1080p camera with dual microphone for VOIP, LED indicator
Internal Speaker	2 watt x2
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO together, more security features offered by Tiny installed (optional)

Mechanical

Dimensions	TIO without stand	TIO with stand
W x D x H (inch)	21.25 x 2.85 x 14.47	21.25 x 11.11 x 15.72 - 20.06
W x D x H (mm)	539.8 x 72.5 x 367.6	539.8 x 282.3 x 399.4 - 509.4
Weight (Approx.)	7.96 lb /3.61 kg	12.92 lb /5.86 kg

Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Adjustable stand	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; *Pivot:* clockwise 0° to 90°
Power supply	90 watts AC/DC adapter, 88% PSU, universal
Power consumption	19 watts typical, 32 watts maximum, <0.5 watts standby / suspend
Limited warranty	**3-years**, Customer Carry-In or Mail-In via Rapid Replacement Service
VESA-compliant	VESA DDC2B/CI, VESA DPMS-compliant
Ergonomics	ISO 9241-307, TUV Eye Comfort certified
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 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 Gen3 Compatible list

Model	M910 / M710 / M900 / M700 / M600 / M715 / M83 / 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

Model	Product	Region	Color	Display Size	Multi-touch	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)
10QXPAR1US	ThinkCentre Tiny-in-One 24 Gen3	US	Black	23.8"	10-point Multi-touch	1920x1080	16:9	0.2745 mm	92.6 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17
10QXPAT1US	ThinkCentre Tiny-in-One 24 Gen3	US	Black	23.8"	10-point Multi-touch	1920x1080	16:9	0.2745 mm	92.6 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17

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Model	Product	Region	Color	Display Size	Multi-touch	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)
10QYPAR1US	ThinkCentre Tiny-in-One 24 Gen3	US	Black	23.8"	None	1920x1080	16:9	0.2745 mm	92.6 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17
10QYPAT1US	ThinkCentre Tiny-in-One 24 Gen3	US	Black	23.8"	None	1920x1080	16:9	0.2745 mm	92.6 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17

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Visit www.lenovo.com/warranty for Lenovo Warranty Services terms and conditions for complete details and restrictions.

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.

Battery life: Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

Visit **http://psref.lenovo.com/** for the latest version of Product Specifications Reference.

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