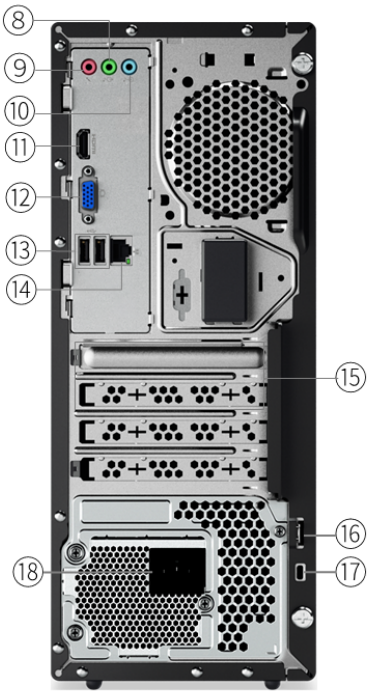
OVERVIEW





1. Optical drive *	10. Line-in (3.5mm)
2. Power button	11. HDMI 1.4
3. Card reader *	12. VGA
4. Microphone (3.5mm)	13. 2x USB 2.0
5. Headphone (3.5mm)	14. Ethernet (RJ-45)
6. 2x USB 3.1 Gen 1	15. Optional ports on expansion cards *
7. 2x USB 2.0	16. Padlock loop
8. Line-out (3.5mm)	17. Kensington Security Slot
9. Microphone (3.5mm)	18. Power connector

Notes:

- Ports with * are only available on selected models

PERFORMANCE

Processor

Processor Family

AMD A6 / A8 / A10 / A12 or AMD Ryzen™ 3 / 5 Processor

Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD A6-9500	2	2	3.5GHz	3.8GHz	1MB L2	DDR4-2400	AMD Radeon™ R5 Graphics
AMD A8-9600	4	4	3.1GHz	3.4GHz	2MB L2	DDR4-2400	AMD Radeon R7 Graphics
AMD A10-9700	4	4	3.5GHz	3.8GHz	2MB L2	DDR4-2400	AMD Radeon R7 Graphics
AMD A12-9800	4	4	3.8GHz	4.2GHz	2MB L2	DDR4-2400	AMD Radeon R7 Graphics
AMD PRO A10-9700	4	4	3.5GHz	3.8GHz	2MB L2	DDR4-2400	AMD Radeon R7 Graphics
AMD PRO A12-9800	4	4	3.8GHz	4.2GHz	2MB L2	DDR4-2400	AMD Radeon R7 Graphics
AMD Ryzen 3 2200G	4	4	3.5GHz	3.7GHz	2MB L2 / 4MB L3	DDR4-2993	AMD Radeon Vega 8 Graphics
AMD Ryzen 5 2400G	4	8	3.6GHz	3.9GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon RX Vega 11 Graphics
AMD Ryzen 5 PRO 2400G	4	8	3.6GHz	3.9GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 11 Graphics

Operating System

Operating System

- Windows® 10 Pro 64
- Windows 10 Home 64
- No operating system

Graphics

Graphics[1]

Graphics	Type	Memory	Connector	Max Resolution	Key Features
AMD Radeon R5 Graphics	Integrated	Shared	1x HDMI® 1.4, 1x VGA	4096x2160@24Hz(HDMI), 1920x1080@60Hz(VGA)	DirectX® 12
AMD Radeon Vega 8 Graphics	Integrated	Shared	1X HDMI 1.4, 1x VGA	4096x2160@24Hz(HDMI), 1920x1080@60Hz(VGA)	DirectX 12
AMD Radeon Vega 11 Graphics	Integrated	Shared	1X HDMI 1.4, 1x VGA	4096x2160@24Hz(HDMI), 1920x1080@60Hz(VGA)	DirectX 12
AMD Radeon RX Vega 11 Graphics	Integrated	Shared	1X HDMI 1.4, 1x VGA	4096x2160@24Hz(HDMI), 1920x1080@60Hz(VGA)	DirectX 12
AMD Radeon 520	Discrete	1GB GDDR5	1x HDMI 1.4, 1x VGA	3840x2160@30Hz(HDMI), 2048x1536@75Hz(VGA)	DirectX 12
NVIDIA® GeForce® GT 730	Discrete	1GB GDDR5	1x HDMI 1.4, 1x VGA	1920x1080@60HZ(HDMI), 2048x1536@85Hz(VGA)	DirectX 12
NVIDIA GeForce GT 730	Discrete	2GB GDDR5	1x HDMI 1.4, 1x VGA	1920x1080@60HZ(HDMI), 2048x1536@85Hz(VGA)	DirectX 12

Notes:

1. The information of integrated graphics are not applicable for the models without integrated graphics (for the details, please refer to processor section)

Monitor Support

Monitor Support

Supports up to 2 independent displays via onboard ports (VGA and HDMI), more displays support via discrete graphics

Chipset

Chipset

AMD B300 chipset

Memory

Max Memory[1]

Up to 32GB DDR4-2666

Memory Slots

Two DDR4 UDIMM slots, dual-channel capable

Memory Type

- DDR4-2133
- DDR4-2400
- DDR4-2666

Memory Protection

Non-ECC

Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

Storage

Storage Support

Up to two drives, 1x 3.5" HDD + 1x M.2 SSD
• 3.5" HDD up to 1TB
• M.2 SSD up to 512GB

Storage Type

Disk Type	Interface	RPM	Security
3.5" SATA HDD	SATA 6Gb/s	7.2K	-
M.2 2242 SSD	PCIe® NVMe®, PCIe 3.0 x2	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-

RAID

No support

Removable Storage

Optical

- DVD burner (DVD±RW), SATA 1.5Gb/s, slim (9.0mm)
- None

Card Reader

- 7-in-1 card reader (SD, SDHC, SDXC, MMC, MS, MS-Pro, MMC plus)
- No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC662 codec

Speakers

No speakers

Microphone

No microphone

Camera

No camera

Power Supply

Power Supply

Power	Type	Efficiency	Key Features
180W	Fixed	85%	-

DESIGN

Input Device

Keyboard

- Lenovo Calliope Keyboard (USB connector), black
- No keyboard

Mouse

- Lenovo Calliope Mouse (USB connector), black
- Lenovo Fingerprint Mouse (USB connector), black
- No mouse

Mechanical

Buttons

- Power button
- Optical drive eject button (ODD models only)

Form Factor

Tower (15L)

Dimensions (WxDxH)

Models	Dimensions
All models	145 x 275 x 360 mm (5.7 x 10.8 x 14.2 inches)

Weight

Models	Weight
All models	6.85 kg (15.1 lbs)

Case Color

Black

Bays

- 1x 3.5" disk bay
- 1x slim ODD bay

Expansion Slots

- One PCIe 3.0 x16
- One PCIe 3.0 x1
- Two M.2 slots (one for WLAN, one for SSD)

Stand

No stand

Mounting

None

CONNECTIVITY

Network

Onboard Ethernet

Gigabit Ethernet, 1x RJ-45

Optional Ethernet

No optional Ethernet

WLAN + Bluetooth®

- Realtek RTL8821CE, 802.11ac Dual Band 1x1 Wi-Fi® + Bluetooth 4.0, M.2 card
- Qualcomm® QCA9377, 802.11ac Dual Band 1x1 Wi-Fi + Bluetooth 4.0, M.2 card
- No WLAN and Bluetooth

Ports[1]

Front Ports

- 2x USB 2.0
- 2x USB 3.1 Gen 1
- 1x headphone (3.5mm)
- 1x microphone (3.5mm)

Optional Front Ports

1x card reader

Rear Ports[2]

- 2x USB 2.0
- 1x VGA
- 1x HDMI 1.4
- 1x Ethernet (RJ-45)
- 1x line-in (3.5mm)
- 1x line-out (3.5mm)
- 1x microphone (3.5mm)

Optional Rear Ports

- 1x parallel
- None

Notes:

1. The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.
   USB 2.0: 480 Mbit/s;
   USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
   USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;
   USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
   Thunderbolt™ 3: 40 Gbit/s;
   FireWire 400: 400 Mbit/s;
   FireWire 800: 800 Mbit/s
2. For video ports on discrete graphics, please see graphics section

Monitor Cable

Monitor Cable

No monitor cable

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in chipset

Physical Locks

(Optional) Smart Cable Clip

Chassis Intrusion Switch

Chassis intrusion switch

Fingerprint Reader

- Touch style fingerprint reader on mouse
- No fingerprint reader

BIOS Security

- Administrator password

- Power-on password
- Hard disk password
- USB port disablement

MANAGEABILITY

System Management

System Management

None

SERVICE

Warranty

Base Warranty[1]

1-year depot service

Notes:

1. More information of warranty policy, please access https://pcsupport.lenovo.com/warranty

ENVIRONMENTAL

Operating Environment

Temperature

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage: -40°C (-40°F) to 60°C (140°F)

Humidity

- Operating: 20% to 80%
- Storage: 10% to 90%

Altitude

- Operating: 0 m (0 ft) to 3048 m (10,000 ft)
- Storage: 0 m (0 ft) to 12192 m (40,000 ft)

ACCESSORIES

Bundled Accessories

Bundled Accessories

None

CERTIFICATIONS

Green Certifications

Green Certifications

- EPEAT™ Silver
- RoHS compliant

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