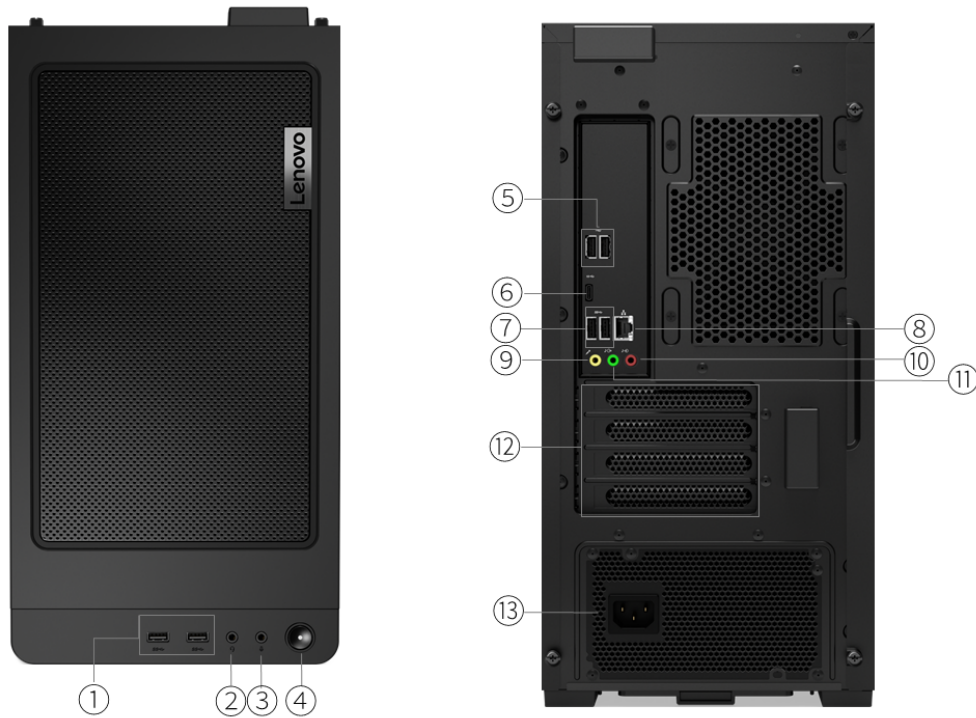


**OVERVIEW**



1. 2x USB 3.2 Gen 1	8. Ethernet (RJ-45)
2. Headphone (3.5mm)	9. Line-out (3.5mm)
3. Microphone (3.5mm)	10. Line-out (3.5mm)
4. Power button	11. Line-out (3.5mm)
5. 2x USB 2.0	12. Optional ports on expansion cards
6. USB-C 3.2 Gen 2	13. Power connector
7. 2x USB 3.2 Gen 1	

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 / 9 series Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Ryzen 5 3600	6	12	3.6GHz	4.2GHz	3MB L2 / 32MB L3	DDR4-3200	-
AMD Ryzen 5 5600G	6	12	3.9GHz	4.4GHz	3MB L2 / 16MB L3	DDR4-3200	Radeon™ Graphics
AMD Ryzen 7 3700X	8	16	3.6GHz	4.4GHz	4MB L2 / 32MB L3	DDR4-3200	-
AMD Ryzen 7 5700G	8	16	3.8GHz	4.6GHz	4MB L2 / 16MB L3	DDR4-3200	Radeon Graphics
AMD Ryzen 7 5800	8	16	3.4GHz	4.6GHz	4MB L2 / 32MB L3	DDR4-3200	-
AMD Ryzen 9 5900X	12	24	3.7GHz	4.8GHz	6MB L2 / 64MB L3	DDR4-3200	-
AMD Ryzen 9 5950X	16	32	3.4GHz	4.9GHz	8MB L2 / 64MB L3	DDR4-3200	-

### Operating System

#### Operating System

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

### Graphics

#### Graphics<sup>[1]</sup>

Graphics	Type	Memory	Connector	Max Resolution	Key Features
AMD Radeon RX 5500	Discrete	4GB GDDR6	1x HDMI® 2.0, 3x DP 1.4	4096x2160@60Hz(HDMI), 7680x4320@60Hz(DP)	DirectX® 12
NVIDIA® GeForce® GTX 1650 SUPER	Discrete	4GB GDDR6	1x HDMI 2.0b, 2x DP 1.4	7680x4320 @60Hz(DP), 4096x2160@60Hz (HDMI)	DirectX 12
NVIDIA GeForce RTX™ 2060 CD	Discrete	6GB GDDR6	1x HDMI 2.0b, 3x DP 1.4	4096x2160@60Hz(HDMI), 7680x4320@60Hz with DSC(DP)	DirectX 12
NVIDIA GeForce GTX 1660 SUPER	Discrete	6GB GDDR6	1x DVI, 1x HDMI 2.0b, 1x DP 1.4	7680x4320@60Hz(DP)	DirectX 12
NVIDIA GeForce RTX 3060 Ti	Discrete	8G GDDR6	3x DP 1.4a, 1x HDMI 2.1	7680x4320@60Hz(HDMI), 7680x4320@60Hz(DP)	DirectX 12
NVIDIA GeForce RTX 2070 CD	Discrete	8GB GDDR6	1x HDMI 2.0b, 3x DP 1.4	7680x4320@60Hz(DP)	DirectX 12 VR ready
NVIDIA GeForce RTX 3060	Discrete	12G GDDR6	3x DP 1.4a, 1x HDMI 2.1	7680x4320@60Hz(HDMI), 7680x4320@60Hz(DP)	DirectX 12
NVIDIA GeForce RTX 3070	Discrete	8G GDDR6	3x DP 1.4a, 1x HDMI 2.1	7680x4320@60Hz(HDMI); 7680x4320@60Hz(DP)	DirectX 12

#### Notes:

1. Integrated graphics information and onboard video ports information are not applicable for all models without integrated graphics (for the details, please refer to processor section)

## Monitor Support

### Monitor Support<sup>[1]</sup>

Supports up to 5 independent displays via discrete graphics ports\*\* (DP, HDMI, and USB-C 3.2 Gen2)

Notes:

1. Ports may vary by the discrete graphics.

## Chipset

### Chipset

AMD B550 chipset

## Memory

### Memory Type

- DDR4-3200
- DDR4-3200, Armor

### Memory Slots

Four DDR4 UDIMM slots, dual-channel capable

### Memory Protection

Non-ECC

### Max Memory<sup>[1]</sup>

Up to 128GB DDR4-3200

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 2 drives, 1x 3.5" HDD + 2x M.2 SSD

- 3.5" HDD up to 2TB
- M.2 SSD up to 1TB

### RAID

Not support

### Storage Type

Disk Type	Interface	RPM	Security
2.5" SATA HDD	SATA 6Gb/s	7.2K	-
M.2 2280 SSD	PCIe NVMe	-	-

## Removable Storage

### Optical

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

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC892 codec

## Power Supply

### Power Supply

Power	Type	Efficiency	Key Features
350W	Fixed	85%	100V - 240V

400W	Fixed	90%	100V - 240V
550W	Fixed	88%	220V
650W	Fixed	90%	100V - 240V

## DESIGN

### Input Device

#### Keyboard

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

#### Mouse

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

### Mechanical

#### Form Factor

Tower (26L)

#### Dimensions (WxDxH)

205x 396 x 411 mm (8.1 x 15.6 x 16.2 inches)

#### Weight

14kg (30.86 lbs)

#### Case Color

Raven black

#### Bays

- 1x 2.5" disk bay
- 2x 3.5" disk bay

#### Expansion Slots

- One PCIe 4.0 x16
- One PCIe 3.0 x4
- Three M.2 slots (one for WLAN, two for SSD)

#### Cooling System (Fan&Cooler)

- (Optional) 65W Air-Cooler, 95W Air-Cooler, 150W Air-Cooler
- (Optional) Two top system with ARGB, one front system fan, one rear system fan with ARGB
- (Optional) Two top system fan with ARGB, two front system fan with ARGB, one rear system fan with ARGB
- (Optional) Rear system fan with ARGB
- (Optional) Two top system fan, one front system fan , one rear system fan
- (Optional) Front system fan, rear system fan for airflow or liquid
- (Optional) Front system fan, rear system fan
- (Optional) Two front system fan, one rear system fan
- (Optional) Rear system fan
- (Optional) Two front system fan with ARGB, one rear system fan with ARGB
- (Optional) Front system fan, rear system fan with ARGB
- (Optional) Two top system fan, one rear system fan

#### System Lighting

- Front panel light
- Front panel light; optional ARGB cooler light and ARGB system fan light

#### Others

Carry handle

## CONNECTIVITY

### Network

#### Onboard Ethernet

- Gigabit Ethernet, 1x RJ45

- Gigabit Ethernet, Realtek RTL8111H, 1x RJ45

## WLAN + Bluetooth™

802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card

## Ports<sup>[1]</sup>

### Rear Ports<sup>[2]</sup>

- 2x USB 2.0
- 3x line out(3.5mm)
- 2x USB 3.2 Gen 1
- 1x USB-C 3.2 Gen 2
- 1x Ethernet (RJ-45)
- 1x power connector

### Top Ports

- 2x USB 3.2 Gen 1
- 1x microphone (3.5mm)
- 1x headphone / microphone combo jack (3.5mm)

### 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

## SECURITY & PRIVACY

### Security

#### BIOS Security

- Power-on password
- Administrator password

## SERVICE

### Warranty

#### Base Warranty

- 1-year mail-in service
- 1-year depot service
- 2-year depot service

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS compliant



AMD



AMD



AMD



AMD



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