OVERVIEW





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

PERFORMANCE

Processor

Processor Family

AMD Ryzen™ 5 / 7 / 9 Processor

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Ryzen 5 7600	6	12	3.8GHz	5.1GHz	6MB L2 / 32MB L3	DDR5-5200	AMD Radeon™ Graphics
AMD Ryzen 7 7700	8	16	3.8GHz	5.3GHz	8MB L2 / 32MB L3	DDR5-5200	AMD Radeon Graphics
AMD Ryzen 7 7700X	8	16	4.5GHz	5.4GHz	8MB L2 / 32MB L3	DDR5-5200	AMD Radeon Graphics
AMD Ryzen 9 7900	12	24	3.7GHz	5.4GHz	12MB L2 / 64MB L3	DDR5-5200	AMD Radeon Graphics

Operating System

Operating System**

- Windows® 11 Home
- Windows 11 Home Single Language

Graphics

Graphics**[1]

Graphics	Type	Memory	Connector	Max Resolution	Key Features
AMD Radeon RX 6500XT	Discrete	4GB GDDR6	1x HDMI® 2.1 FRL , 1x DP 1.4	7680x4320@60Hz(HDMI), 7680x4320@60Hz(DP)	DirectX® 12, OpenGL 4.6
AMD Radeon RX 7600	Discrete	8GB GDDR6	3x DP 1.4a, 1x HDMI 2.1 FRL	7680x4320@60Hz(HDMI), 7680x4320@120Hz(DP)	DirectX 12
NVIDIA® GeForce RTX™ 3050	Discrete	8GB GDDR6	1x HDMI 2.1 FRL, 3x DP 1.4	7680x4320@60Hz(HDMI), 7680x4320@120Hz(DP)	DirectX 12
NVIDIA GeForce RTX 3060	Discrete	12G GDDR6	3x DP 1.4a, 1x HDMI 2.1 FRL	7680x4320@60Hz(HDMI), 7680x4320@120Hz(DP)	DirectX 12
NVIDIA GeForce RTX 3060 Ti	Discrete	8G GDDR6	1x HDMI 2.1 FRL, 3x DP 1.4a	7680x4320@60Hz(HDMI), 7680x4320@120Hz(DP)	DirectX 12
NVIDIA GeForce RTX 4060	Discrete	8G GDDR6	1x HDMI 2.1 FRL, 3x DP 1.4a	7680x4320@60Hz(HDMI), 7680x4320@120Hz(DP)	DirectX 12, OpenGL 4.6
NVIDIA GeForce RTX 4060 Ti	Discrete	8G GDDR6	1x HDMI 2.1 FRL, 3x DP 1.4a	7680x4320@60Hz(HDMI), 7680x4320@120Hz(DP)	DirectX 12
NVIDIA GeForce RTX 4070	Discrete	12G GDDR6X	3x DP 1.4a, 1x HDMI 2.1 FRL	7680x4320@60Hz(HDMI); 7680x4320@120Hz(DP)	DirectX 12
NVIDIA GeForce RTX 4070 Ti	Discrete	12G GDDR6X	3x DP 1.4a, 1x HDMI 2.1 FRL	7680x4320@60Hz(HDMI); 7680x4320@120Hz(DP)	DirectX 12

Notes:

[1] The information of integrated graphics are not applicable for the models with processor which has no integrated graphics inside (for the details, please refer to processor section).

Monitor Support

Monitor Support

Supports up to 4 independent displays via discrete graphics ports (DP, HDMI)

Chipset

Chipset

AMD B650 chipset

Memory

Max Memory[1]

Up to 32GB DDR5-5600

Memory Slots

Four DDR5 UDIMM slots, dual-channel capable

Memory Type[2]

DDR5-5600

Memory Protection

Non-ECC

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.
[2] Installed memory is actually 5600MHz, but may run at 5200MHz depending on the memory support capability of processor.

Storage

Storage Support[1]

Up to five drives, 2x 3.5" HDD + 3x M.2 SSD
• 3.5" HDD up to 2TB each
• M.2 SSD up to 1TB each

Storage Type**

Disk Type	Interface	RPM
3.5" SATA HDD	SATA 6Gb/s	7.2K
M.2 2280 SSD[2]	PCIe® NVMe®, PCIe 4.0 x4	

RAID

No support

Notes:

[1] The max capacity of each disk type is based on the test results with current Lenovo storage offerings.
[2] Installed one of M.2 2280 SSD is PCIe 4x4 but run at PCIe 4x2 due to AMD platform limitations.

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC897-Q codec

Speakers

No speakers

Power Supply

Power Supply**

Power	Type	Efficiency	Key Features
350W	Fixed	85%	100-240V, 50-60Hz
500W	Fixed	85%	100V - 240V
850W	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)[1]

205 x 396.9 x 425.9 mm (8.1 x 15.62 x 16.76 inches)

Packaging Dimensions (WxDxH)

325 x 502 x 580 mm (12.79 x 19.76 x 22.83 inches)

Weight[2]

Around 14 kg (30.86 lbs)

Packaging Weight

All models: Around 16 kg (35.27 lbs)

Case Color

Storm grey

Chassis**

- Normal side cover
- Transparent side cover
- Transparent side cover and inner decorate cover

Bays

2x 3.5" disk bay

Expansion Slots

- One PCIe 4.0 x16
- Four M.2 slots (one for WLAN, three for SSD: One M.2 2280 PCIe 4.0 x2 and two M.2 2280 PCIe 4.0 x4)
- One PCIe 3.0 x4

Cooling System (Fan & Cooler)**

- 1x front system fan, 1x rear system fan
- 1x rear system fan
- 1x rear system fan with ARGB
- 1x rear system fan with ARGB, 2x front system fan with ARGB
- 1x rear system fan with ARGB, 2x front system fan with ARGB, 2x top system fan with ARGB

System Lighting***

- (Optional) Internal ambient lighting
- Legion Wordmark lighting

Notes:

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

CONNECTIVITY

Network

Onboard Ethernet

2.5GbE, Realtek RTL8125BG Gaming Ethernet, 1x RJ-45

WLAN + Bluetooth®

Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card[1]

Notes:

[1] Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

Ports[1]

Rear Ports[2]

- 1x USB-C® 3.2 Gen 2
- 2x USB 2.0
- 2x USB 3.2 Gen 1
- 2x USB 3.2 Gen 2
- 1x Ethernet (2.5GbE RJ-45)
- 1x Lighting switch
- 1x power connector
- 3x audio connector (3.5mm)

Top Ports

- 2x USB 3.2 Gen 1
- 1x headphone (3.5mm)
- 1x microphone (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;
USB4® 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
USB4 40Gbps (USB 40Gbps): 40 Gbit/s;
Thunderbolt™ 3/4: 40 Gbit/s.
[2] For video ports on discrete graphics, please see graphics section.

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in chipset

BIOS Security

- Administrator password
- Power-on password

SERVICE

Warranty[1]

Base Warranty**

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year limited onsite service
- 2-year courier or carry-in service
- 3-year courier or carry-in service

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to https://smartfind.lenovo.com/. To learn more details 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: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 12192 m (40,000 ft)

CERTIFICATIONS

Green Certifications[1]

Green Certifications

- (Optional) ENERGY STAR® 8.0
- ErP Lot 3
- RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

- Feature with ** means that only one offering listed under the feature is configured on selected models.
- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.
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