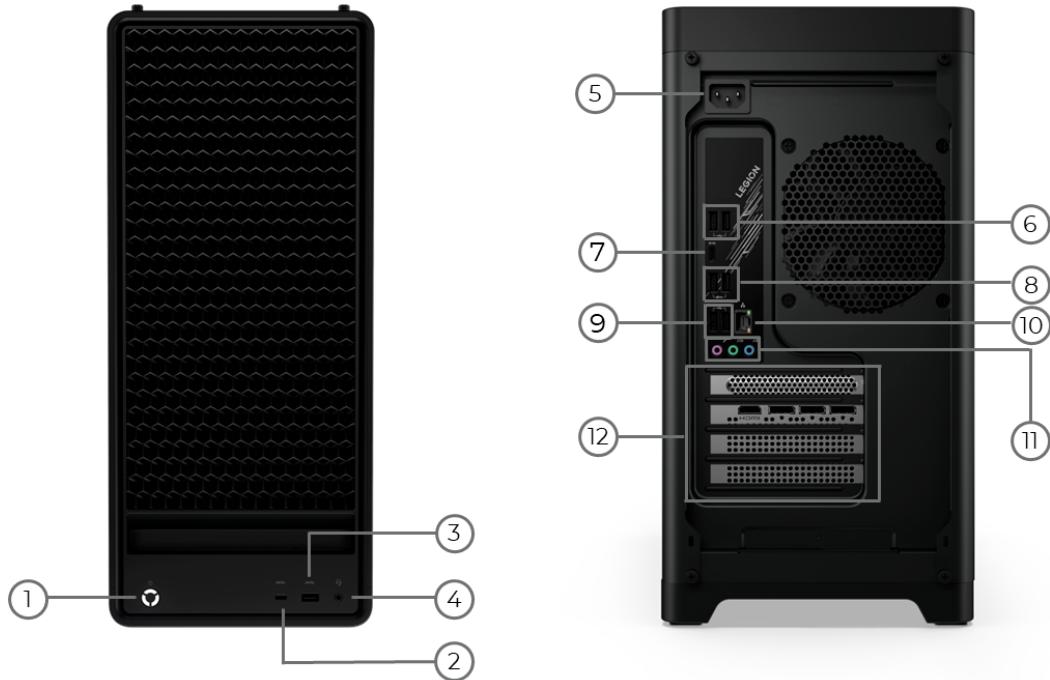


OVERVIEW



| | |
|---|---|
| 1. Power button | 7. USB-C (USB 10Gbps) |
| 2. 1x USB-C (USB 5Gbps) | 8. 2x USB-A (USB 5Gbps) |
| 3. 1x USB-A (USB 5Gbps) | 9. 2x USB-A (Hi-Speed USB) |
| 4. 1x headphone / microphone combo jack (3.5mm) | 10. Ethernet (RJ-45) |
| 5. Power connector | 11. 3x Audio connectors |
| 6. 2x USB-A (USB 10Gbps) | 12. Optional ports on expansion cards * |

Notes:

- Items with * are only available on selected models

PERFORMANCE

Processor

Processor Family

AMD Ryzen™ 5 / 7 / 9 7000 Series 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™ 5 9600 | 6 | 12 | 3.8GHz | 5.2GHz | 6MB L2 / 32MB L3 | DDR5-5600 | AMD Radeon™ Graphics |
| AMD Ryzen™ 7 7700X | 8 | 16 | 4.5GHz | 5.4GHz | 8MB L2 / 32MB L3 | DDR5-5200 | AMD Radeon™ Graphics |
| AMD Ryzen™ 7 7800X3D | 8 | 16 | 4.2GHz | 5GHz | 8MB L2 / 96MB L3 | DDR5-5200 | AMD Radeon™ Graphics |
| AMD Ryzen™ 7 9800X3D | 8 | 16 | 4.7GHz | 5.2GHz | 8MB L2 / 96MB L3 | DDR5-5600 | AMD Radeon™ Graphics |
| AMD Ryzen™ 9 7950X3D | 16 | 32 | 4.2GHz | 5.7GHz | 16MB L2 / 128MB L3 | DDR5-5200 | AMD Radeon™ Graphics |

AI (Artificial Intelligence)

AI PC Category

AI-Powered Gaming PC^[1]

Notes:

[1] AI-Powered Gaming PCs feature Lenovo® AI Engine+ and NVIDIA® GeForce RTX™ GPUs to handle AI-driven tasks and deliver exceptional gaming performance.

Operating System

Operating System**

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- No preload operating system

Graphics

Graphics**^[1]

| Graphics | Type | Memory | AI TOPS (Peak) | Max Resolution | Connector | Key Features |
|---------------------------------------|----------|------------|----------------|---|--|-------------------------|
| AMD Radeon™ RX 9060 XT ^[2] | Discrete | 16GB GDDR6 | - | 7680*4320@120HZ with DSC (HDMI®), 7680*4320@144HZ with DSC(DP) | 2x DP 2.1a UHBR13.5, 1x HDMI® 2.1b FRL | DirectX® 12, OpenGL 4.6 |
| AMD Radeon™ RX 9070 XT ^[3] | Discrete | 16GB GDDR6 | - | 7680*4320@120HZ with DSC (HDMI®), 7680*4320@144HZ with DSC(DP) | 3x DP 2.1a UHBR13.5, 1x HDMI® 2.1b FRL | DirectX® 12, OpenGL 4.6 |
| NVIDIA® GeForce RTX™ 4060 | Discrete | 8G GDDR6 | 242 | 7680x4320@60Hz with DSC, HDR(HDMI®), 7680x4320@60Hz with DSC, HDR(DP) | 1x HDMI® 2.1a FRL, 3x DP 1.4a | DirectX® 12 |
| NVIDIA® GeForce RTX™ 4060 Ti | Discrete | 8G GDDR6 | 353 | 7680x4320@60Hz with DSC, HDR(HDMI®), 7680x4320@60Hz with DSC, HDR(DP) | 1x HDMI® 2.1a FRL, 3x DP 1.4a | DirectX® 12 |
| NVIDIA® GeForce RTX™ 4070 | Discrete | 12G GDDR6X | 568 | 7680x4320@60Hz with DSC, HDR(HDMI®), 7680x4320@60Hz | 3x DP 1.4a, 1x HDMI® 2.1a FRL | DirectX® 12 |

| | | | | | | |
|---|----------|------------|------|--|--------------------------------------|-------------|
| SUPER | | | | with DSC, HDR(DP) | | |
| NVIDIA® GeForce RTX™ 4070 Ti SUPER 16GB | Discrete | 16G GDDR6X | 706 | 7680x4320@60Hz with DSC, HDR(HDMI®), 7680x4320@60Hz with DSC, HDR(DP) | 3x DP 1.4a, 1x HDMI® 2.1a FRL | DirectX® 12 |
| NVIDIA® GeForce RTX™ 5060 | Discrete | 8G GDDR7 | 614 | 7680x4320@120Hz with DSC(HDMI®); 7680x4320@165Hz with DSC(DP) ^[4] | 3x DP 2.1b UHBR20, 1x HDMI® 2.1b FRL | DirectX® 12 |
| NVIDIA® GeForce RTX™ 5060 Ti | Discrete | 8G GDDR7 | 759 | 7680x4320@120Hz with DSC(HDMI®); 7680x4320@165Hz with DSC(DP) ^[5] | 3x DP 2.1b UHBR20, 1x HDMI® 2.1b FRL | DirectX® 12 |
| NVIDIA® GeForce RTX™ 5070 | Discrete | 12G GDDR7 | 988 | 7680x4320@120Hz with DSC(HDMI®); 7680x4320@165Hz with DSC(DP) ^[6] | 3x DP 2.1b UHBR20, 1x HDMI® 2.1b FRL | DirectX® 12 |
| NVIDIA® GeForce RTX™ 5070Ti | Discrete | 16G GDDR7 | 1406 | 7680x4320@120Hz with DSC(HDMI®); 7680x4320@165Hz with DSC(DP) ^[7] | 3x DP 2.1b UHBR20, 1x HDMI® 2.1b FRL | 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).

[2], [3] HDMI® 2.1b FRL (FRL12Gbps can only be on any one port), DP 2.1a UHBR13.5(can only be on any one port)

[4], [5], [6], [7] DSC. Up to 8K 12-bit HDR at 165Hz with DP 2.1b, DSC. Up to 8K 12-bit HDR at 120Hz With HDMI® 2.1b.

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

DDR5-5600^[2]

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/3600MHz or other frequency depending on the memory support capability of AMD

Storage

Max Storage Support^[1]

Up to four drives, 1x 3.5" HDD + 3x M.2 SSD

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

Storage Type^{**}

| Disk Type | Interface | RPM |
|---------------|------------|------|
| 3.5" SATA HDD | SATA 6Gb/s | 7.2K |

| | | |
|--------------|---------------------------|---|
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | - |
|--------------|---------------------------|---|

Notes:

[1] The max capacity of each disk type is based on the test results with current Lenovo® storage offerings.

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC623 codec

Speakers

No speakers

Power Supply

Power Supply**

| Power | Type | Efficiency | Key Features |
|-------|-------|------------|--------------|
| 500W | Fixed | 85% | 100V - 240V |
| 850W | Fixed | 90% | 100V - 240V |

DESIGN

Input Device

Keyboard**

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

Mouse**

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

Mechanical

Form Factor

Tower (30L)

Dimensions (WxDxH)

211 x 490.4 x 413.5 mm (8.3 x 19.3 x 16.28 inches)

Packaging Dimensions (WxDxH)

321 x 596 x 549 mm (12.63 x 23.46 x 21.61 inches)

Weight^[1]

Around 15 kg (33.06 lbs)

Packaging Weight

All models: Around 17 kg (37.47 lbs)

Case Color

Eclipse black

Chassis**

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

Expansion Slots

- One PCIe® 4.0 x16
- One PCIe® 3.0 x4
- Four M.2 slots (one for WLAN, three for SSDs)

Cooling System (Fan & Cooler)**

- 1x rear system fan + 2x top system fan
- 1x rear system fan with ARGB + 2x bottom system fan with ARGB
- 1x Rear system fan with ARGB + 2x Top system fan with ARGB + 2x bottom system fan with ARGB
- 1x rear system fan with ARGB + 2x top system fan with ARGB
- 1x rear system fan
- 1x rear system fan with ARGB
- 65W airflow 80MM-Fan, SSD Heatsink, PCH Heatsink
- 65W airflow 80MM-Fan, M.2 SSD DECO Mylar® Heatsink, PCH Heatsink, VRM Heatsink
- 65W airflow 80MM-Fan cooler airflow, PCH Heatsink
- 150W airflow 120MM-Fan with ARGB light, M.2 SSD DECO Mylar® Heatsink, PCH Heatsink, VRM Heatsink
- 150W airflow 120MM-Fan with ARGB light, PCH Heatsink, SSD Heatsink, VRM Heatsink
- 150W airflow 120MM-Fan cooler with ARGB light, SSD Heatsink, PCH Heatsink
- 150W airflow 120MM-Fan cooler with ARGB light, PCH Heatsink
- 150W airflow 120MM-Fan cooler with ARGB light, VRM Heatsink, PCH Heatsink
- 200W liquid 2x 120MM-Fan with ARGB light, SSD Heatsink, PCH Heatsink
- 200W liquid 2x 120MM-Fan with ARGB light, VRM Heatsink, PCH Heatsink
- 200W liquid 2x 120MM-Fan with ARGB light, PCH Heatsink, SSD Heatsink, VRM Heatsink

System Lighting

- Legion Logo Lighting
- None

Notes:

[1] 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

WLAN + Bluetooth®**^[1]

- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Wi-Fi® 7, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4, M.2 card^[2]

Onboard Ethernet

2.5GbE, Realtek® RTL8125BGS Gaming Ethernet, 1x RJ-45

Notes:

[1] Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country. Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

[2] The bandwidth of WiFi 7 adapter is 160 MHz.

Ports^[1]

Rear Ports^[2]

- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2)
- 2x USB-A (Hi-Speed USB / USB 2.0)
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x Ethernet (2.5GbE RJ-45)
- 1x power connector
- 3x audio out (5.1 channel)

Top Ports

- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)

- 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;

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.

Thunderbolt™ 5: 80 Gbit/s (bidirectional), up to 120 Gbit/s in bandwidth boost mode for video-intensive applications.

[2] For video ports on discrete graphics, please see [graphics section](#)

SECURITY & PRIVACY

Security

Security Chip^[1]

Firmware TPM 2.0 integrated in chipset

BIOS Security

- Administrator password
- Hard disk password

Notes:

[1] For video ports on discrete graphics, please see [graphics section](#)

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://support.lenovo.com/warrantylookup/warrantypolicy>.

OPERATING REQUIREMENTS

Operating Environment

Temperature

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

Relative Humidity

- Operating: 20% to 80% (non-condensing)
- Storage: 10% to 90% (non-condensing)

Altitude

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

CERTIFICATIONS

Green Certifications^[1]

Green Certifications

- 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. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

- Feature with ** means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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