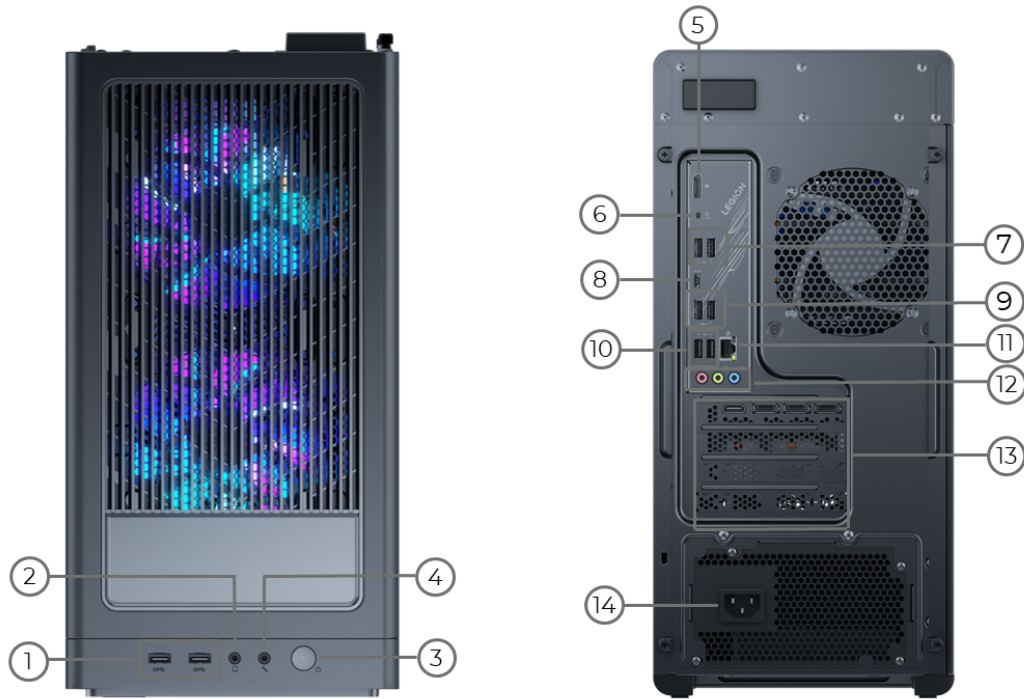


OVERVIEW



| | |
|----------------------------|---|
| 1. 2x USB-A (USB 5Gbps) | 8. USB-C (USB 10Gbps) |
| 2. Headphone jack (3.5mm) | 9. 2x USB-A (USB 5Gbps) |
| 3. Power button | 10. 2x USB-A (Hi-Speed USB) |
| 4. Microphone jack (3.5mm) | 11. Ethernet (RJ-45) |
| 5. DisplayPort 1.4 | 12. 3x Audio connectors |
| 6. Lighting switch | 13. Optional ports on expansion cards * |
| 7. 2x USB-A (Hi-Speed USB) | 14. Power connector |

Notes:

- Items with * are only available on selected models

PERFORMANCE

Processor

Processor Family

13th Generation Intel® Core™ i7 or 14th Generation Intel® Core™ i7 / i9 Processor

Processor**

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|-----------------|---------------------------|---------|-------------------------------|-------------------------------|-------|---------------------|
| Core i7-13650HX | 14 (6 P-core + 8 E-core) | 20 | P-core 2.6GHz / E-core 1.9GHz | P-core 4.9GHz / E-core 3.6GHz | 24MB | Intel® UHD Graphics |
| Core i7-14650HX | 16 (8 P-core + 8 E-core) | 24 | P-core 2.2GHz / E-core 1.6GHz | P-core 5.2GHz / E-core 3.7GHz | 30MB | Intel® UHD Graphics |
| Core i9-14900HX | 24 (8 P-core + 16 E-core) | 32 | P-core 2.2GHz / E-core 1.6GHz | P-core 5.8GHz / E-core 4.1GHz | 36MB | Intel® UHD Graphics |

Operating System

Operating System**

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

Graphics

Graphics**[1]

| Graphics | Type | Memory | AI TOPS (Peak) | Max Resolution | Connector | Key Features |
|---|------------|------------|----------------|---|--------------------------------------|---------------|
| Intel® UHD Graphics | Integrated | Shared | - | 5120x2160@60Hz(DP) | 1x DP 1.4 | DirectX® 12.1 |
| 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 SUPER | Discrete | 12G GDDR6X | 568 | 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™ 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™ 5070 | Discrete | 12G GDDR7 | 988 | 7680x4320@120Hz with DSC(HDMI®); 7680x4320@165Hz with DSC(DP) | 3x DP 2.1b UHBR20, 1x HDMI® 2.1b FRL | DirectX® 12 |
| AMD Radeon™ RX 7600 | Discrete | 8GB GDDR6 | - | 7680x4320@60Hz(HDMI®), 7680x4320@120Hz(DP) | 3x DP 1.4a, 1x HDMI® 2.1 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).

Monitor Support

Monitor Support

Supports up to 5 independent displays (one onboard port and four discrete graphics ports)

Chipset

Chipset

Intel® HM770 chipset

Memory

Max Memory^[1]

Up to 64GB DDR5-5600

Memory Slots

Two DDR5 SO-DIMM 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 DDR5-5600 but may run as DDR5-4800 depending on the memory support capability of Intel®.

Storage

Storage Support^[1]

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

- 3.5" HDD bay only for customer self upgrade
- M.2 SSD up to 2TB each

Storage Type

| Disk Type | Interface |
|--------------|---------------------------|
| M.2 2280 SSD | 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.

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 |
|-------|-------|------------|--------------|
| 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]

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 and inner decorate cover

Bays

1x 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 SSDs)

Cooling System (Fan & Cooler)***

- 1x Integration CPU FAN cooler
- 2x front system fan with ARGB
- 2x top system fan with ARGB, 2x front system fan with ARGB
- Integration CPU FAN cooler, M.2 SSD Heatsink, PCH Heatsink, VRM Heatsink
- Integration CPU FAN cooler, VRM Heatsink
- Integration CPU FAN cooler, 2x M.2 SSD Heatsink, PCH Heatsink, VRM Heatsink
- 150W 120MM-Fan cooler, VRM Heatsink
- 150W 120MM-Fan cooler, 2x M.2 SSD Heatsink, VRM Heatsink
- 150W 120MM-Fan cooler, M.2 SSD Heatsink, PCH Heatsink, VRM Heatsink
- 150W 120MM-Fan cooler, VRM Heatsink, PCH Heatsink
- 150W 120MM-Fan cooler, 2x M.2 SSD Heatsink, PCH Heatsink, VRM Heatsink

System Lighting

Legion Wordmark iconic LED

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® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card

Ports^[1]

Rear Ports^[2]

- 1x USB-C® (USB 10Gbps / 3.2 Gen 2)
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 4x USB 2.0
- 1x DisplayPort™ 1.4
- 1x Ethernet (2.5GbE RJ-45)
- 1x power connector
- 3x audio out (5.1 channel)

Top Ports

- 2x USB-A (USB 5Gbps / 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
- More BIOS security features, please visit [BIOS Simulator^{\[1\]}](#)

Notes:

[1] The BIOS simulator is just for reference. Default settings and some options may vary depending on the hardware, operating system and BIOS version.

SERVICE

Warranty^[1]

Base Warranty**

- 1-year courier or carry-in 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/warrantylookuppolicy>.

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%
- 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)

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