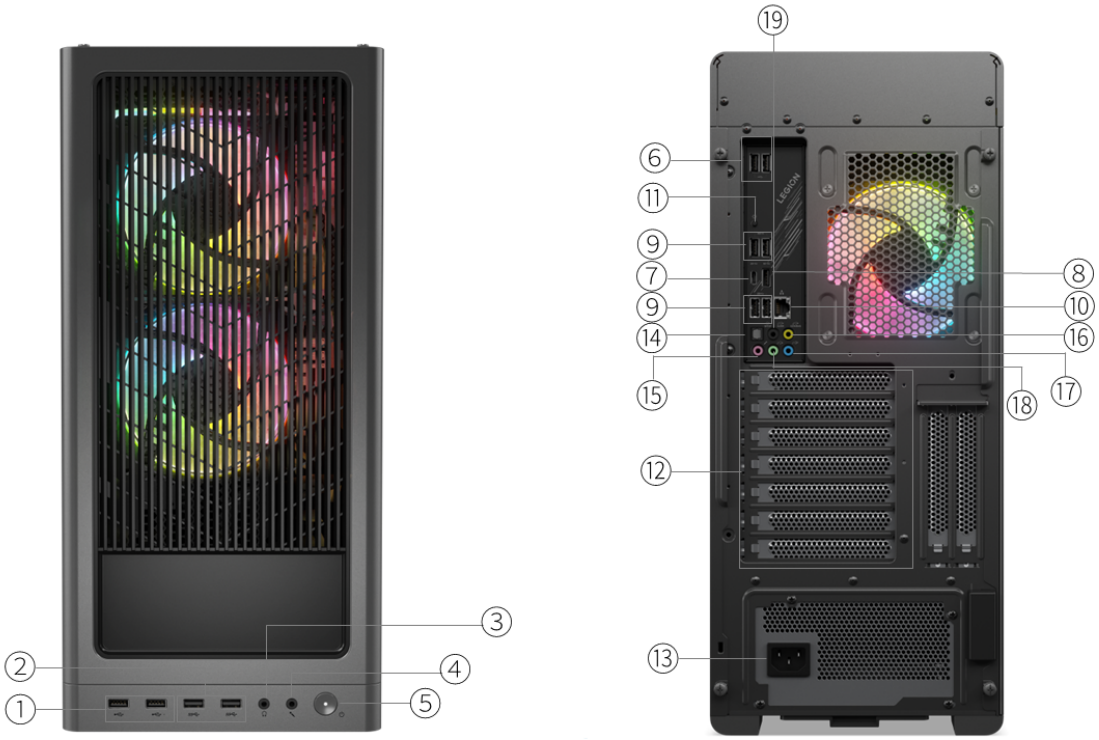
OVERVIEW



1. 2x USB 2.0	11. Lighting switch
2. 2x USB 3.2 Gen 1	12. Optional ports on expansion cards
3. Headphone jack (3.5mm)	13. Power connector
4. Microphone jack (3.5mm)	14. SPDIF out
5. Power button	15. Mic-in (3.5mm)
6. 2x USB 2.0	16. CEN/LFE out
7. USB-C 3.2 Gen 2x2	17. Line-in (3.5mm)
8. USB 3.2 Gen 2	18. Line-out (3.5mm)
9. 4x USB 3.2 Gen 1	19. SURROUND out
10. Ethernet (RJ-45)	

PERFORMANCE

Processor

Processor Family

13th Generation Intel® Core™ i7 / i9 Processor

Processor[**][1]

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i7-13700K	16 (8 P-core + 8 E-core)	24	P-core 3.4GHz / E-core 2.5GHz	Max Turbo up to 5.4GHz / P-core 5.3GHz / E-core 4.2GHz	24MB L2 Cache / 30MB Intel® Smart Cache	DDR5-5600	Intel® UHD Graphics 770
Core i7-13700KF	16 (8 P-core + 8 E-core)	24	P-core 3.4GHz / E-core 2.5GHz	Max Turbo up to 5.4GHz / P-core 5.3GHz / E-core 4.2GHz	24MB L2 Cache / 30MB Intel® Smart Cache	DDR5-5600	-
Core i9-13900K	24 (8 P-core + 16 E-core)	32	P-core 3.0GHz / E-core 2.2GHz	Max Turbo up to 5.8GHz / P-core 5.4GHz / E-core 4.3GHz	32MB L2 Cache / 36MB Intel® Smart Cache	DDR5-5600	Intel® UHD Graphics 770
Core i9-13900KF	24 (8 P-core + 16 E-core)	32	P-core 3.0GHz / E-core 2.2GHz	Max Turbo up to 5.8GHz / P-core 5.4GHz / E-core 4.3GHz	32MB L2 Cache / 36MB Intel® Smart Cache	DDR5-5600	-
Core i7-14700K	20 (8 P-core + 12 E-core)	28	P-core 3.4GHz / E-core 2.5GHz	Max Turbo up to 5.6GHz / P-core 5.5GHz / E-core 4.3GHz	28MB L2 Cache / 33MB Intel® Smart Cache	DDR5-5600	-
Core i7-14700KF	20 (8 P-core + 12 E-core)	28	P-core 3.4GHz / E-core 2.5GHz	Max Turbo up to 5.6GHz / P-core 5.5GHz / E-core 4.3GHz	28MB L2 Cache / 33MB Intel® Smart Cache	DDR5-5600	-
Core i9-14900K	24 (8 P-core + 16 E-core)	32	P-core 3.2GHz / E-core 2.4GHz	Max Turbo up to 6.0GHz / P-core 5.6GHz / E-core 4.4GHz	32MB L2 Cache / 36MB Intel® Smart Cache	DDR5-5600	Intel® UHD Graphics 770

Notes:

[1] Intel® UHD Graphics in processor is disabled.

Intel® Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see http://www.intel.com/technology/turboboost/ for more information.

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
NVIDIA® GeForce RTX™ 3080	Discrete	10G GDDR6X	-	7680x4320@60Hz(HDMI®); 7680x4320@60Hz(DP)	3x DP 1.4a, 1x HDMI® 2.1 FRL	DirectX® 12
NVIDIA® GeForce RTX™ 4070	Discrete	12G GDDR6X	466	7680x4320@60Hz(HDMI®); 7680x4320@60Hz(DP)	3x DP 1.4a, 1x HDMI® 2.1a FRL	DirectX® 12
NVIDIA® GeForce RTX™ 4070 Ti	Discrete	12G GDDR6X	641	7680x4320@60Hz(HDMI®); 7680x4320@60Hz(DP)	3x DP 1.4a, 1x HDMI® 2.1a FRL	DirectX® 12
NVIDIA® GeForce RTX™ 4070 Ti	Discrete	16G GDDR6	706	7680x4320@60Hz with DSC, HDR(HDMI®), 7680x4320@60Hz with DSC, HDR(DP)	1x HDMI® 2.1a FRL, 3x DP 1.4a	DirectX® 12

SUPER						
NVIDIA® GeForce RTX™ 4080	Discrete	16G GDDR6X	780	7680x4320@60Hz(HDMI®); 7680x4320@60Hz(DP)	3x DP 1.4a, 1x HDMI® 2.1a FRL	DirectX® 12
NVIDIA® GeForce RTX™ 4080 SUPER	Discrete	16G GDDR6X	836	7680x4320@60Hz with DSC, HDR(HDMI®), 7680x4320@60Hz with DSC, HDR(DP)	3x DP 1.4a, 1x HDMI® 2.1a 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 4 independent displays via discrete graphics ports (DP, HDMI®)

Chipset

Chipset

Intel® Z790 chipset

Memory

Max Memory[1][2]

Up to 64GB DDR5-5600

Memory Slots

Four DDR5 UDIMM slots, dual-channel capable

Memory Type**[3]

- DDR5-4800
- DDR5-5600

Memory Protection

Non-ECC

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.

[2] Maximum supported memory speed may be lower when populating multiple DIMMs per channel on products that support multiple memory channels.

[3] Installed memory is actually DDR5-5600 or DDR5-4800 but may run as DDR5-4400 or DDR5-4000 depending on the memory support capability of Intel®.

Storage

Max Storage Support[1]

Up to seven drives, 2x 3.5" HDD + 2x 2.5" HDD + 3x M.2 SSD
• 3.5" HDD up to 2TB
• 2.5" HDD up to 2TB
• M.2 SSD up to 2TB

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® ALC897 codec

Speakers

No speakers

Power Supply

Power Supply**

Power	Type	Efficiency	Key Features
500W	Fixed	85%	100V - 240V
850W	Fixed	90%	100V - 240V
1200W	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 (34L)

Dimensions (WxDxH)[1]

211 x 464 x 494 mm (8.3 x 18.26 x 19.44 inches)

Packaging Dimensions (WxDxH)

318 x 580 x 625 mm (12.51 x 22.8 x 24.6 inches)

Weight[2]

17 kg (37.47 lbs)

Packaging Weight

19 kg (41.88 lbs)

Case Color

Storm grey

Chassis**

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

Expansion Slots

- One PCIe® 5.0 x16
- One PCIe® 4.0 x16 (x4 signal)
- One PCIe® 3.0 x1
- Four M.2 slots (one for WLAN, three for SSD)

Cooling System (Fan & Cooler)**

- 150W 120MM with RGB Light cooler, 3x M.2 SSD Heatsink
- 150W 120MM with RGB Light cooler, 2x M.2 SSD Heatsink
- 150W 120MM with RGB Light cooler, M.2 SSD Heatsink
- 150W 120mm-Fan with ARGB lighting air cooler, 1x rear system fan with ARGB, 2x top system fan with ARGB, 3x front system fan with ARGB

- 150W 120mm-Fan with ARGB lighting air cooler, 1x rear system fan with ARGB, 3x front system fan with ARGB
- 250W 360MM with RGB Light cooler, M.2 SSD Heatsink
- 250W 360MM with RGB Light liquid cooler, 2x M.2 SSD Heatsink
- 250W 360MM with RGB Light liquid cooler, 3x M.2 SSD Heatsink
- 250W 360mm-Fan with ARGB lighting liquid cooler, 1x rear system fan with ARGB, 2x top system fan with ARGB

System Lighting

Legion ARGB 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

WLAN + Bluetooth®[1]

Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card

Onboard Ethernet

2.5GbE, Realtek® RTL8125BG 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.

Ports[1]

Rear Ports[**][2]

- 1x USB-C® 3.2 Gen 2x2
- 1x Ethernet (RJ-45)
- 1x Lighting switch
- 1x USB 3.2 Gen 2
- 2x USB 2.0
- 4x USB 3.2 Gen 1
- 6x audio connectors (with SPDIF)

Top Ports[**]

- 2x USB 2.0
- 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.
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

Firmware TPM 2.0 integrated in chipset

BIOS Security

- Administrator password
- Hard disk 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 mail-in service
- 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/warrantypolicy.

OPERATING REQUIREMENTS

Operating Environment

Temperature

At altitudes up to 2438 m (8,000 ft)
- Operating: 5°C to 35°C (41°F to 95°F)
- Storage: 5°C to 43°C (41°F to 109°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:

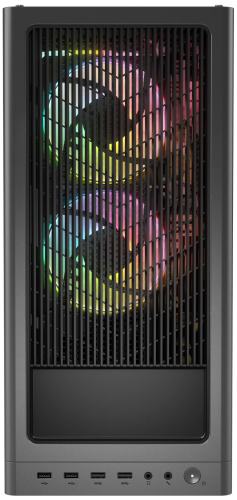
[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit https://compliance.lenovo.com.

- 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.
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LEGION






LEGION
GEFORCE RTX




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