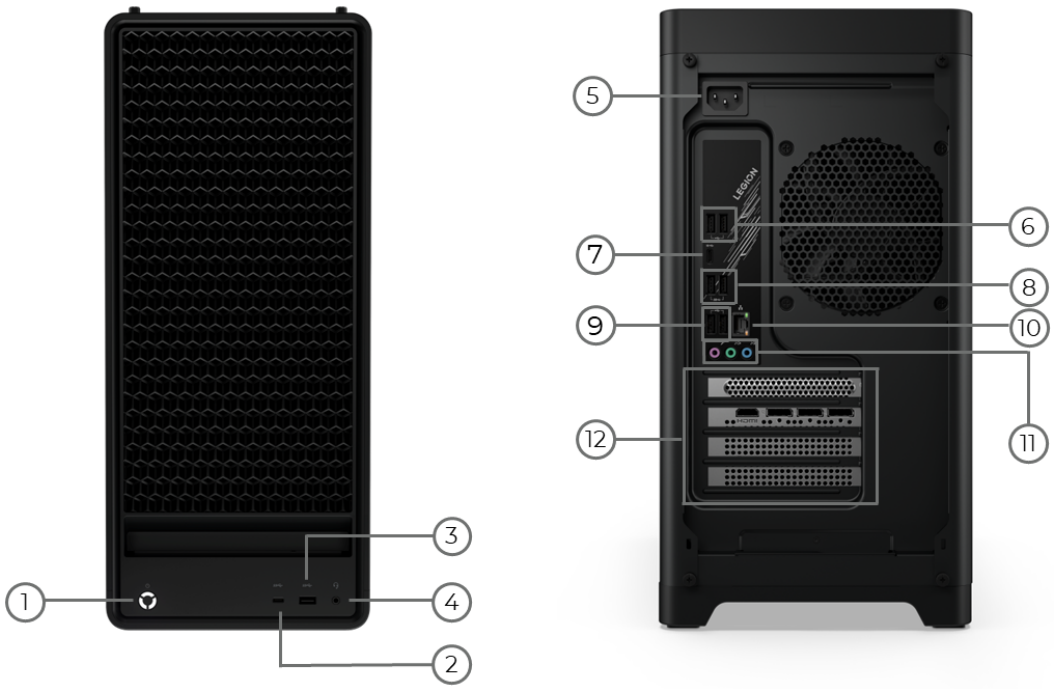
OVERVIEW



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 (Hi-Speed USB)	12. Optional ports on expansion cards *

Notes:
- Items with * are only available on selected models

PERFORMANCE

Processor

Processor Family

Intel Core™ Ultra 5 / 7 / 9 Processor (Series 2)

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU	Overall TOPS
Core Ultra 5 225	10 (6 P-core + 4 E-core)	10	P-core 3.3GHz / E-core 2.7GHz	P-core 4.9GHz / E-core 4.4GHz	22MB L2 Cache / 20MB Intel® Smart Cache	Intel® Graphics, up to 4 TOPS	Intel® AI Boost, up to 13 TOPS	Up to 23 TOPS
Core Ultra 5 225F	10 (6 P-core + 4 E-core)	10	P-core 3.3GHz / E-core 2.7GHz	P-core 4.9GHz / E-core 4.4GHz	22MB L2 Cache / 20MB Intel® Smart Cache	-	Intel® AI Boost, up to 13 TOPS	Up to 19 TOPS
Core Ultra 7 265	20 (8 P-core + 12 E-core)	20	P-core 2.4GHz / E-core 1.8GHz	Max Turbo up to 5.3GHz / P-core 5.2GHz / E-core 4.6GHz	36MB L2 Cache / 30MB Intel® Smart Cache	Intel® Graphics, up to 8 TOPS	Intel® AI Boost, up to 13 TOPS	Up to 33 TOPS
Core Ultra 7 265F	20 (8 P-core + 12 E-core)	20	P-core 2.4GHz / E-core 1.8GHz	Max Turbo up to 5.3GHz / P-core 5.2GHz / E-core 4.6GHz	36MB L2 Cache / 30MB Intel® Smart Cache	-	Intel® AI Boost, up to 13 TOPS	Up to 25 TOPS
Core Ultra 7 265K	20 (8 P-core + 12 E-core)	20	P-core 3.9GHz / E-core 3.3GHz	P-core 5.4GHz / E-core 4.6GHz	36MB L2 Cache / 30MB Intel® Smart Cache	Intel® Graphics, up to 8 TOPS	Intel® AI Boost, up to 13 TOPS	Up to 33 TOPS
Core Ultra 7 265KF	20 (8 P-core + 12 E-core)	20	P-core 3.9GHz / E-core 3.3GHz	P-core 5.4GHz / E-core 4.6GHz	36MB L2 Cache / 30MB Intel® Smart Cache	-	Intel® AI Boost, up to 13 TOPS	Up to 25 TOPS
Core Ultra 7 270K Plus	24 (8 P-core + 16 E-core)	24	P-core 3.7GHz / E-core 3.2GHz	Max Turbo up to 5.5GHz / P-core 5.4GHz / E-core 4.7GHz	40MB L2 Cache / 36MB Intel® Smart Cache	Intel® Graphics, up to 8 TOPS	Intel® AI Boost, up to 13 TOPS	Up to 36 TOPS
Core Ultra 9 285	24 (8 P-core + 16 E-core)	24	P-core 2.5GHz / E-core 1.9GHz	Max Turbo up to 5.6GHz / P-core 5.4GHz / E-core 4.6GHz	40MB L2 Cache / 36MB Intel® Smart Cache	Intel® Graphics, up to 8 TOPS	Intel® AI Boost, up to 13 TOPS	Up to 36 TOPS

AI (Artificial Intelligence)

AI PC Category

AI-Powered Gaming PC[1]

NPU

Integrated Intel® AI Boost, up to 13 TOPS

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**

Graphics	Type	Memory	AI TOPS (Peak)	Max Resolution	Connector	Key Features
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™ 5060	Discrete	8G GDDR7	614	7680x4320@120Hz with DSC(HDMI®); 7680x4320@165Hz with DSC(DP)[1]	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)[2]	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)[3]	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)[4]	3x DP 2.1b UHBR20, 1x HDMI® 2.1b FRL	DirectX® 12

Notes:

[1], [2], [3], [4] 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

Intel® B860 chipset

Memory

Max Memory[1]

Up to 64GB DDR5-5600

Memory Slots

Four DDR5 UDIMM slots, dual-channel capable

Memory Type**

- DDR5-4800 UDIMM[2]
- DDR5-5600 UDIMM[3]

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 4800MHz , but may run at 4800Mhz or 4400Mhz or 3200Mhz depending on the memory support capability of Intel®

[3] Installed memory is actually 5600MHz or 6400Mhz , but may run at 5600Mhz, 4800Mhz or 4400Mhz or 3200Mhz depending on the memory support capability of Intel®.

Storage

Max Storage Support[1]

Up to four drives, 3x M.2 SSD + 1x open 3.5 HDD Bay
• 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
M.2 2280 SSD	PCIe® NVMe®, PCIe® 5.0 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® ALC623 codec

Speakers

No speakers

Power Supply

Power Supply**

Power	Type	Efficiency	Key Features
500W	Fixed	88%	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 414 mm (8.3 x 19.3 x 16.29 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

Bays

- 1x 3.5″ disk bay (optional)
- None

Expansion Slots

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

Cooling System (Fan & Cooler)**

- 65W airflow 80MM-Fan + 1x rear system fan + 2x top system fan
- 65W airflow 80MM-Fan + 1x rear system fan
- 65W airflow 80MM-Fan + 1x rear system fan with ARGB + 2x top system fan with ARGB
- 65W airflow 80MM-Fan + 1x rear system fan with ARGB
- 150W airflow 120MM-Fan cooler with ARGB light + 2x bottom system fan with ARGB + 2x top system fan with ARGB + 1x rear system fan with ARGB
- 150W airflow 120MM-Fan cooler with ARGB light + 1x rear system fan with ARGB
- 150W airflow 120MM-Fan cooler with ARGB light + 1x rear system fan with ARGB + 2x top system fan with ARGB
- 200W liquid 2x 120MM-Fan with ARGB light + 1x rear system fan with ARGB
- 200W liquid 2x 120MM-Fan with ARGB light + 1x rear system fan with ARGB + 2x bottom system fan with ARGB

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 (USB 5Gbps / USB 3.2 Gen 1)
- 4x USB-A (Hi-Speed USB / USB 2.0)
- 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

Firmware TPM 2.0 integrated in chipset

BIOS Security

- Administrator password
- Hard disk password
- More BIOS security features, please visit BIOS Simulator

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

- (Optional) ENERGY STAR® 9.0
- 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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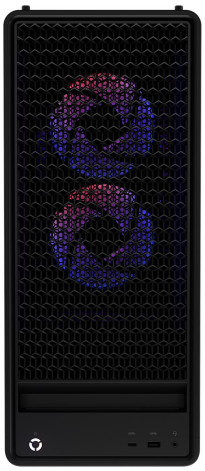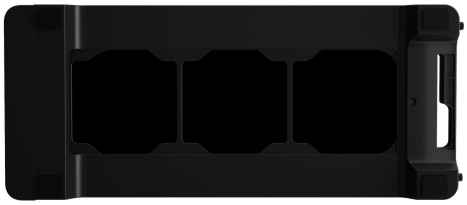
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