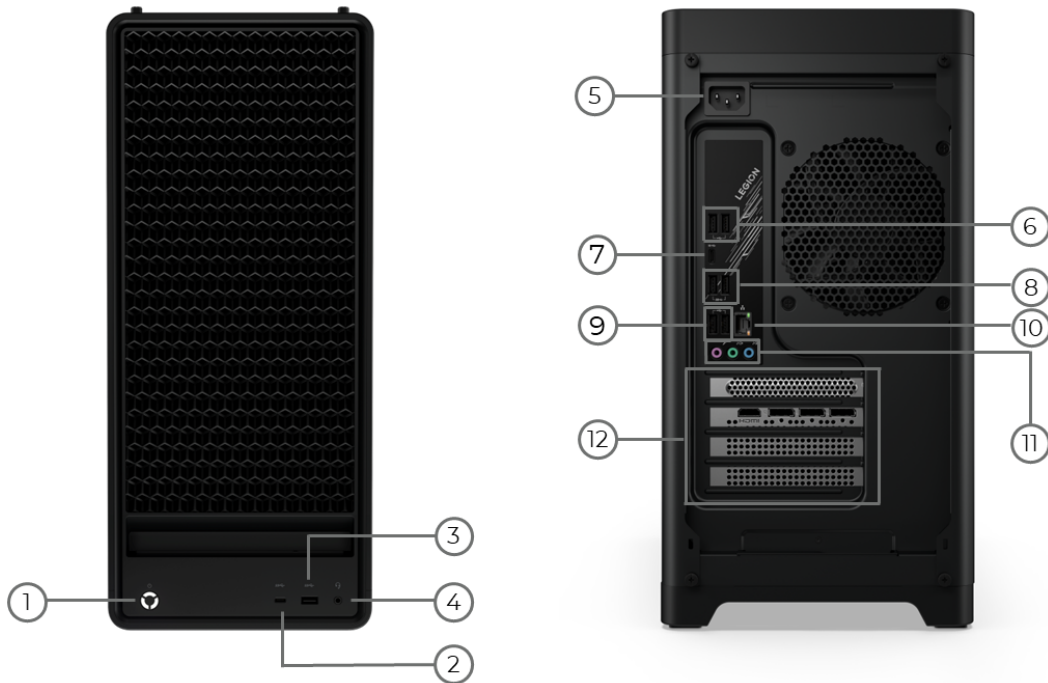


## OVERVIEW



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
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	-	Intel® AI Boost
Core Ultra 7 265	20 (8 P-core + 12 E-core)	20	P-core 2.4GHz / E-core 1.8GHz	P-core 5.2GHz / E-core 4.6GHz	36MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 265F	20 (8 P-core + 12 E-core)	20	P-core 2.4GHz / E-core 1.8GHz	P-core 5.2GHz / E-core 4.6GHz	36MB	-	Intel® AI Boost
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	Intel® Graphics	Intel® AI Boost
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	-	Intel® AI Boost
Core Ultra 9 285	24 (8 P-core + 16 E-core)	24	P-core 2.5GHz / E-core 1.9GHz	P-core 5.4GHz / E-core 4.6GHz	40MB	Intel® Graphics	Intel® AI Boost

### AI (Artificial Intelligence)

#### AI PC Category

AI-Powered Gaming PC

#### AI Performance

Up to 36 overall TOPS

#### NPU

Integrated Intel® AI Boost, up to 13 TOPS

### 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™ 5070Ti	Discrete	16G GDDR7	1406	7680x4320@120Hz with DSC(HDMI®); 7680x4320@165Hz with DSC(DP)	3x DP 2.1b UHBR20, 1x HDMI® 2.1b FRL	DirectX® 12

### Monitor Support

**Monitor Support**

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

**Chipset**

**Chipset**

Intel® B860 chipset

**Memory**

**Max Memory<sup>[1]</sup>**

Up to 64GB DDR5-6400

**Memory Slots**

Four DDR5 UDIMM slots, dual-channel capable

**Memory Type**

DDR5-5600 UDIMM<sup>[2]</sup>

**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 or 6400MHz , but may run at 5600MHz, 4800MHz or 4400MHz or 3200MHz depending on the memory support capability of Intel®.

**Storage**

**Storage Support<sup>[1]</sup>**

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<sup>\*\*\*</sup>**

Disk Type	Interface
M.2 2280 SSD	PCIe® NVMe®, PCIe® 5.0 x4
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® ALC623 codec

**Speakers**

No speakers

**Power Supply**

**Power Supply<sup>\*\*</sup>**

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

850W	Fixed	90%	100V - 240V
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## 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 (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<sup>[1]</sup>

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

#### Cooling System (Fan & Cooler)\*\*

- 1x rear system fan with ARGB + 2x top system fan with ARGB
- 1x rear system fan
- 1x rear system fan with ARGB
- 65W 80MM-Fan airflow cooler
- 150W 120MM-Fan airflow cooler with ARGB light, PCH Heatsink, 3x SSD Heatsink, VRM Heatsink
- 150W 120MM-Fan airflow cooler with ARGB light, M.2 SSD DECO Mylar® Heatsink
- 150W 120MM-Fan airflow cooler with ARGB light, VRM Heatsink
- 150W 120MM-Fan airflow cooler with ARGB light, PCH Heatsink, SSD Heatsink, VRM Heatsink
- 150W 120MM-Fan airflow cooler with ARGB light, PCH Heatsink, 2x SSD Heatsink, VRM Heatsink
- 150W 120MM-Fan airflow cooler with ARGB light, VRM Heatsink, PCH Heatsink
- 200W 240MM-Fan liquid cooler with ARGB light, VRM Heatsink, PCH Heatsink
- 200W 240MM-Fan liquid cooler with ARGB light, VRM Heatsink, SSD Heatsink
- 200W 240MM-Fan liquid cooler with ARGB light, PCH Heatsink, 2x SSD Heatsink, VRM Heatsink
- 200W 240MM-Fan liquid cooler with ARGB light, M.2 SSD DECO Mylar® Heatsink, PCH Heatsink, VRM Heatsink
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- 200W 240MM-Fan liquid cooler with ARGB light, PCH Heatsink, 3x SSD Heatsink, VRM Heatsink
- 65W 80MM-Fan airflow cooler, PCH Heatsink
- 65W 80MM-Fan airflow cooler, M.2 SSD DECO Mylar® Heatsink
- 200W 240MM-Fan liquid cooler with ARGB light, VRM Heatsink, 3x SSD Heatsink
- 65W 80MM-Fan airflow cooler, SSD Heatsink

## 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

#### Onboard Ethernet

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

#### WLAN + Bluetooth®\*\*

- 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<sup>[1]</sup>

## Notes:

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

### Ports<sup>[1]</sup>

#### Rear Ports<sup>[2]</sup>

- 1x USB-C® (USB 10Gbps / 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.

[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

## SERVICE

### Warranty<sup>[1]</sup>

#### 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

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**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<sup>[1]</sup>

#### Green Certifications

- (Optional) ENERGY STAR® 8.0
- RoHS compliant
- None

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**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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