

**OVERVIEW**



1. USB-C (USB 10Gbps), data transfer only	7. USB-A (Hi-Speed USB)
2. Headphone / microphone combo jack (3.5mm)	8. USB-A (USB 10Gbps)
3. HDMI-in 1.4	9. HDMI-out 2.1 TMDS
4. Power-in	10. Power button
5. USB-A (Hi-Speed USB)	11. Camera shutter latch
6. Ethernet (RJ-45)	

## PERFORMANCE

### Processor

#### Processor Family

Intel® U-series or 13th Generation Intel® Core™ i3 / i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
U300	5 (1 P-core + 4 E-core)	6	P-core 1.2GHz / E-core 0.9GHz	P-core 4.4GHz / E-core 3.3GHz	8MB	Intel® UHD Graphics
Core i3-1315U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 0.9GHz	P-core 4.5GHz / E-core 3.3GHz	10MB	Intel® UHD Graphics
Core i5-13420H	8 (4 P-core + 4 E-core)	12	P-core 2.1GHz / E-core 1.5GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® UHD Graphics
Core i7-13620H	10 (6 P-core + 4 E-core)	16	P-core 2.4GHz / E-core 1.8GHz	P-core 4.9GHz / E-core 3.6GHz	24MB	Intel® UHD Graphics
Core 5 210H	8 (4 P-core + 4 E-core)	12	P-core 2.2GHz / E-core 1.6GHz	P-core 4.8GHz / E-core 3.6GHz	12MB	Intel® Graphics
Core 7 240H	10 (6 P-core + 4 E-core)	16	P-core 2.5GHz / E-core 1.8GHz	P-core 5.2GHz / E-core 4.0GHz	24MB	Intel® Graphics

### Operating System

#### Operating System\*\*

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

### Graphics

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

Graphics	Type	Memory	Max Resolution	Connector	Key Features
Intel® UHD Graphics	Integrated	Shared	4096x2160@60Hz(HDMI®)	1x HDMI® 2.1 TMDS	DirectX® 12.1

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 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI®

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

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

Up to 32GB DDR5-5200

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

#### Memory Type

DDR5-5200

Notes:

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

**Storage**

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

One drive, up to 1TB M.2 2280 SSD

**Storage Type\*\***

Disk Type	Interface	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	-
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	Opal 2.0

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® ALC233-CG codec

**Speakers**

Stereo speakers, 3W x2, Audio by HARMAN

**Microphone**

Dual-microphone array

**Camera\*\***

- 5.0-megapixel
- 5.0-megapixel IR camera

**Power Supply**

**Power Supply\*\***

Power	Type	Efficiency	Key Features
90W	Adapter	89%	Autosensing
135W	Adapter	90%	Autosensing

**DESIGN**

**Display**

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

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
23.8"	FHD (1920x1080)	None	IPS	250nits	Anti-glare	16:9	1300:1	99% sRGB	100Hz	89° / 89° / 89° / 89°	14ms response time, borderless design, low blue light, flicker free
23.8"	FHD (1920x1080)	Multi-touch	IPS	250nits	Anti-glare	16:9	1300:1	99% sRGB	100Hz	89° / 89° / 89° / 89°	14ms response time, borderless design, low blue light, flicker free

**Touchscreen**

- (Optional) 10-point multi-touch
- Non-touch

## Notes:

[1] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device****Keyboard\*\***

- Lenovo® Calliope Keyboard (USB connector), black
- Wireless EOS Keyboard, black
- No keyboard

**Mouse\*\***

- Wireless EOS Mouse, black
- Lenovo® Calliope Mouse (USB connector), black
- No mouse

**Mechanical****Buttons**

- Camera Shutter Latch
- Power button

**Form Factor**

AIO (23.8 inches)

**Dimensions (WxDxH)<sup>[1]</sup>**

540 x 192 x 431 mm (21.25 x 7.56 x 16.97 inches)

**Packaging Dimensions (WxDxH)**

670 x 229 x 553 mm (26.38 x 9.02 x 21.77 inches)

**Weight<sup>[2]</sup>**

Around 6.0 kg (13.23 lbs)

**Packaging Weight**

Around 9.55 kg (21.05 lbs)

**Case Color**

Luna grey

**Bays**

No bays

**Expansion Slots**

Two M.2 slots (one for WLAN, one for SSD)

**Stand**

Monitor stand, supports -5° to +15° tilt.

**Mounting**

None

**Others**

(Optional) Wireless charger 15W

## 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**

Gigabit Ethernet, Realtek® RTL8111H, 1x RJ-45

**WLAN + Bluetooth®\*\***

- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[1]</sup>
- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 Card<sup>[2]</sup>
- No WLAN and Bluetooth®

Notes:

[1] Bluetooth® 5.3 requires Windows® 11.

[2] Bluetooth® 5.2 requires Windows® 11.

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

- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 2x USB-A (Hi-Speed USB / USB 2.0)
- 1x HDMI®-in 1.4
- 1x HDMI®-out 2.1 TMDS
- 1x Ethernet (RJ-45)
- 1x power connector

**Left Ports**

- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), data transfer only
- 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.

## SECURITY & PRIVACY

### Security

**Security Chip**

Firmware TPM 2.0 integrated in SoC

**Physical Locks**

No physical locks

**Chassis Intrusion Switch**

No chassis intrusion switch

**BIOS Security**

- Administrator password
- Power-on password
- Boot sequence control
- Secure boot
- More BIOS security features, please visit [BIOS Simulator](#)

## MANAGEABILITY

### System Management

**System Management**

None

## SERVICE

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

### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year limited onsite 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: -20°C (-4°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<sup>[1]</sup>

#### Green Certifications

- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Silver Registered
- ErP Lot 3/7
- GREENGUARD®
- RoHS / WEEE / REACH

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>.

### Other Certifications

#### Other Certifications

- TÜV Rheinland® Flicker Free
- TÜV Rheinland® Low Blue Light
- TÜV Rheinland® Ultra Low Noise

- 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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