

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 | Memory Support | 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 | DDR5-5200 | 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 | DDR5-5200 | 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 | DDR5-5200 | 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 | DDR5-5200 | Intel UHD Graphics |

Operating System

Operating System**

- Windows® 11 Home
- Windows 11 Home Single Language
- No operating system

Graphics

Graphics^[1]

| Graphics | Type | Memory | Connector | Max Resolution | Key Features |
|--------------------|------------|--------|-------------------|----------------------|---------------|
| Intel UHD Graphics | Integrated | Shared | 1x HDMI® 2.1 TMDS | 4096x2160@60Hz(HDMI) | 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^[1]

Up to 16GB 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^[1]

One drive, up to 1TB M.2 SSD

Storage Type

| Disk Type | Interface |
|--------------|--------------------------|
| 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® 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**[1]**

| 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° | 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° | 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
- Lenovo Calliope Keyboard (USB connector), white
- Wireless EOS Keyboard, Cloud Grey
- Wireless EOS Keyboard, Luna Grey

Mouse**

- Wireless EOS Mouse, Cloud Grey
- Lenovo Calliope Mouse (USB connector), black
- Wireless EOS Mouse, Luna Grey
- Lenovo Calliope Mouse (USB connector), white

Mechanical**Form Factor**

AIO (23.8 inches)

Dimensions (WxDxH)^[1]

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^[2]

Around 6.0 kg (13.23 lbs)

Packaging Weight

Around 9.55 kg (21.05 lbs)

Case Color**

- Cloud grey
- Luna grey

Expansion Slots

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

Stand

Monitor stand, Supports -5° to +15° tilt

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, 1x RJ-45

WLAN + Bluetooth®

Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card

Ports^[1]**Rear Ports**

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

Left Ports

- 1x headphone / microphone combo jack (3.5mm)
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), data transfer only

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

BIOS Security

- Administrator password
- Power-on password

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
- OB

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://pcsupport.lenovo.com/warranty>.

ENVIRONMENTAL

Operating Environment

Temperature

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage: -20°C (-4°F) to 60°C (140°F)
- Storage: -40°C (-40°F) to 60°C (140°F)

Humidity

- Operating: 20% to 80%
- Storage: 10% to 90%

Altitude

- Operating: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 12192 m (40,000 ft)

CERTIFICATIONS

Green Certifications^[1]

Green Certifications

- (Optional) ENERGY STAR® 8.0
- ErP Lot 3 and Lot 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.

Other Certifications

Other Certifications

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

- Feature with ** means that only one offering listed under the feature is configured on selected models.
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