

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

13th Generation Intel® Core™ i3 / i5 / i7 / i9 Processor

Processor**

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor 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 |
| Core i9-13900H | 14 (6 P-core + 8 E-core) | 20 | P-core 2.6GHz / E-core 1.9GHz | P-core 5.4GHz / E-core 4.1GHz | 24MB | DDR5-5200 | Intel® Iris® Xe 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
- No preload operating system

Graphics

Graphics^[1]

| Graphics | Type | Memory | Max Resolution | Connector | Key Features |
|---|------------|--------|-----------------------|-------------------|---------------|
| Intel® UHD Graphics | Integrated | Shared | 4096x2160@60Hz(HDMI®) | 1x HDMI® 2.1 TMDS | DirectX® 12.1 |
| Intel® Iris® Xe Graphics ^[2] | Integrated | Shared | 4096x2160@60Hz(HDMI®) | 1x HDMI® 2.1 TMDS | DirectX® 12.1 |
| Intel® 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).

[2] Intel® Iris® Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel® Iris® Xe Graphics will function as Intel® UHD Graphics.

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 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^[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 |
|------|-----------------|-------------|------|------------|------------|--------------|----------------|-------------|--------------|-------------------------|---|
| 27" | FHD (1920x1080) | None | IPS | 300nits | Anti-glare | 16:9 | 1300:1 | 99% sRGB | 100Hz | 89° / 89° / 89° / 89° | Borderless design, low blue light, flicker free |
| 27" | FHD (1920x1080) | Multi-touch | IPS | 300nits | Anti-glare | 16:9 | 1300:1 | 99% sRGB | 100Hz | 89° / 89° / 89° / 89° | Borderless design, low |

| | | | | | | | | | | | |
|-----|-----------------|-------------|-----|---------|------------|------|--------|----------|-------|--|---|
| | | | | | | | | | | | blue light, flicker free |
| 27" | QHD (2560x1440) | None | IPS | 350nits | Anti-glare | 16:9 | 1300:1 | 99% sRGB | 100HZ | horizontal: +/- 89°, vertical: +/- 89° | Borderless design, low blue light, flicker free |
| 27" | QHD (2560x1440) | Multi-touch | IPS | 350nits | Anti-glare | 16:9 | 1300:1 | 99% sRGB | 100HZ | horizontal: +/- 89°, vertical: +/- 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, luna grey
- Wireless EOS Mouse, cloud grey
- Lenovo® Calliope Mouse (USB connector), black
- Lenovo® Calliope Mouse (USB connector), white

Mechanical

Form Factor

AIO (27 inches)

Dimensions (WxDxH)^[1]

| Models | Dimensions |
|------------|---|
| FHD models | 611.72 x 192 x 473.16 mm (24.08 x 7.55 x 18.62 inches) |
| QHD models | 613.3 x 192.1 x 472.38 mm (24.15 x 7.56 x 18.59 inches) |

Packaging Dimensions (WxDxH)

766 x 229 x 570 mm (30.16 x 9.02 x 22.44 inches)

Weight^[2]

| Models | Weight |
|------------|----------------------------|
| FHD models | Around 7.1 kg (15.65 lbs) |
| QHD models | Around 7.51 kg (16.55 lbs) |

Packaging Weight**

- FHD models: Around 10.9 kg (24.03 lbs)
- QHD models: Around 11.31 kg (24.93 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

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, 1x RJ-45

WLAN + Bluetooth®

Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card^[1]

Notes:

[1] Bluetooth® 5.2 requires Windows® 11.

Ports^[1]

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

BIOS Security

- Administrator password
- Power-on 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
- 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: -20°C (-4°F) to 60°C (140°F)

Relative 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 3/7
- GREENGUARD®
- RoHS / WEEE / REACH
- None

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.

• Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. LENOVO PROVIDES THIS PUBLICATION "AS IS,"

WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.

- The specifications on this page may not be available in all regions, and may be changed or updated without notice.

