

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

AMD Ryzen™ 3 / 5 / 7 Processor

Processor\*\*

| Processor Name      | Cores | Threads | Base Frequency | Max Frequency | Cache            | Memory Support | Processor Graphics | NPU                          | Overall TOPS  |
|---------------------|-------|---------|----------------|---------------|------------------|----------------|--------------------|------------------------------|---------------|
| AMD Ryzen™ 3 7335U  | 4     | 8       | 3.0GHz         | 4.3GHz        | 2MB L2 / 8MB L3  | DDR5-4800      | AMD Radeon™ 660M   | -                            | -             |
| AMD Ryzen™ 5 7533HS | 6     | 12      | 3.3GHz         | 4.4GHz        | 3MB L2 / 16MB L3 | DDR5-4800      | AMD Radeon™ 660M   | -                            | -             |
| AMD Ryzen™ 5 7535HS | 6     | 12      | 3.3GHz         | 4.55GHz       | 3MB L2 / 16MB L3 | DDR5-4800      | AMD Radeon™ 660M   | -                            | -             |
| AMD Ryzen™ 5 8645HS | 6     | 12      | 4.3GHz         | 5.0GHz        | 6MB L2 / 16MB L3 | -              | AMD Radeon™ 760M   | AMD Ryzen™ AI, up to 16 TOPS | Up to 31 TOPS |
| AMD Ryzen™ 7 7735HS | 8     | 16      | 3.2GHz         | 4.75GHz       | 4MB L2 / 16MB L3 | DDR5-4800      | AMD Radeon™ 680M   | -                            | -             |
| AMD Ryzen™ 7 8845HS | 8     | 16      | 3.8GHz         | 5.1GHz        | 8MB L2 / 16MB L3 | -              | AMD Radeon™ 780M   | AMD Ryzen™ AI, up to 16 TOPS | Up to 38 TOPS |

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 |
|------------------|------------|--------|-----------------------|-------------------|--------------|
| AMD Radeon™ 660M | Integrated | Shared | 4096x2160@60Hz(HDMI®) | 1x TMDS 2.1       | DirectX® 12  |
| AMD Radeon™ 680M | Integrated | Shared | 4096x2160@60Hz(HDMI®) | 1x TMDS 2.1       | DirectX® 12  |
| AMD Radeon™ 760M | Integrated | Shared | 4096x2160@60Hz(HDMI®) | 1x TMDS 2.1       | DirectX® 12  |
| AMD Radeon™ 780M | Integrated | Shared | 4096x2160@60Hz(HDMI®) | 1x HDMI® TMDS 2.1 | DirectX® 12  |

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

AMD SoC (System on Chip) platform

Memory

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

Up to 16GB DDR5-4800

Memory Slots

Two DDR5 SODIMM slots, dual-channel capable

Memory Type

DDR5-4800

Notes:

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

Storage

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

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\*\*<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) | Multi-touch | 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) | Non-touch   | IPS | 250nits | Anti-glare | 16:9 | 1300:1 | 99% sRGB | 100Hz | 89° / 89° / 89° / 89° | Borderless design, low blue light, flicker free |

Touchscreen

- 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\*\*

- Lenovo® Calliope Mouse (USB connector), black
- Lenovo® Calliope Mouse (USB connector), white
- Wireless EOS Mouse, cloud grey
- Wireless EOS Mouse, luna grey

Mechanical

Form Factor

AIO (24 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\*\*

- 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

### WLAN + Bluetooth<sup>[1]</sup>

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

### Onboard Ethernet

Gigabit 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.

## 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.

Thunderbolt™ 5: 80 Gbit/s (bidirectional), up to 120 Gbit/s in bandwidth boost mode for video-intensive applications.

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in SoC

#### BIOS Security

- Administrator password
- Power-on password
- More BIOS security features, please visit [BIOS Simulator<sup>\[1\]</sup>](#)

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<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: -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<sup>[1]</sup>

**Green Certifications**

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

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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>.

### 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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