

OVERVIEW



|                     |  |
|---------------------|--|
| 1. Power connector  | 5. 2x USB 2.0                                |
| 2. HDMI 1.4         | 6. Power button                              |
| 3. 2x USB 3.2 Gen 1 | 7. Headphone / microphone combo jack (3.5mm) |
| 4. Ethernet (RJ-45) | 8. Optical drive eject button                |

PERFORMANCE

Processor

Processor Family

AMD 3000, AMD Athlon™, or AMD Ryzen™ 3 / 5 Processor

Processor\*\*

| Processor Name          | Cores | Threads | Base Frequency | Max Frequency | Cache           | Memory Support | Processor Graphics         |
|-------------------------|-------|---------|----------------|---------------|-----------------|----------------|----------------------------|
| AMD 3020e               | 2     | 2       | 1.2GHz         | 2.6GHz        | 1MB L2 / 4MB L3 | DDR4-2400      | AMD Radeon™ Graphics       |
| AMD Athlon Silver 3050U | 2     | 2       | 2.3GHz         | 3.2GHz        | 1MB L2 / 4MB L3 | DDR4-2400      | AMD Radeon Graphics        |
| AMD Ryzen 3 3250U       | 2     | 4       | 2.6GHz         | 3.5GHz        | 1MB L2 / 4MB L3 | DDR4-2400      | AMD Radeon Graphics        |
| AMD Ryzen 5 3500U       | 4     | 8       | 2.1GHz         | 3.7GHz        | 2MB L2 / 4MB L3 | DDR4-2400      | AMD Radeon Vega 8 Graphics |

Operating System

Operating System\*\*

- Windows® 10 Home 64
- Windows 10 Home 64 Single Language
- Windows 10 Home in S mode
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 Home in S mode
- No operating system

Graphics

Graphics\*\*

| Graphics                   | Type       | Memory | Connector    | Max Resolution       | Key Features |
|----------------------------|------------|--------|--------------|----------------------|--------------|
| AMD Radeon Graphics        | Integrated | Shared | 1x HDMI® 1.4 | 1920x1080@60Hz(HDMI) | DirectX® 12  |
| AMD Radeon Vega 8 Graphics | Integrated | Shared | 1x HDMI 1.4  | 1920x1080@60Hz(HDMI) | DirectX 12   |

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 DDR4-2400

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Memory Type

DDR4-2400

Memory Protection

Non-ECC

Notes:

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

Storage

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

- Up to two drives, 1x 2.5" HDD + 1x M.2 SSD
- 2.5" HDD up to 1TB
  - M.2 SSD up to 512GB

Storage Type<sup>\*\*\*</sup>

| Disk Type     | Interface   | RPM  |
|---------------|-------------|------|
| 2.5" SATA HDD | SATA 6Gb/s  | 5.4K |
| M.2 2242 SSD  | PCIe® NVMe® | -    |
| M.2 2280 SSD  | PCIe NVMe   | -    |

RAID

No support

Notes:

<sup>[1]</sup> The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

Removable Storage

Optical

- DVD burner (DVD±RW), SATA 1.5Gb/s, slim (9.0mm)
- None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC233 codec

Speakers

Stereo speakers, 3W x2, Audio by HARMAN

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

- Single microphone
- Dual-microphone array

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

- HD 720p, fixed focus
- IR & 5.0-megapixel, fixed focus
- No camera

Power Supply

Power Supply

| Power | Type    | Efficiency | Key Features |
|-------|---------|------------|--------------|
| 65W   | Adapter | 89%        | Autosensing  |

DESIGN

Display

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

| Size  | Resolution      | Touch       | Type | Brightness | Surface    | Aspect Ratio | Contrast Ratio | Viewing Angle (L/R/U/D)                | Key Features                  |
|-------|-----------------|-------------|------|------------|------------|--------------|----------------|--|-------------------------------|
| 23.8" | FHD (1920x1080) | None        | IPS  | 250nits    | Anti-glare | 16:9         | 1000:1         | horizontal: +/- 89°, vertical: +/- 89° | Borderless design, anti-glare |
| 23.8" | FHD (1920x1080) | Multi-touch | IPS  | 250nits    | Anti-glare | 16:9         | 1000:1         | horizontal: +/- 89°, vertical: +/- 89° | Borderless design, anti-glare |

**Touchscreen**

- Advanced In-cell Touch (AIT), supports 10-point touch
- Non-touch

Notes:

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

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

- EOS Wireless Keyboard, black
- EOS Wireless Keyboard, white
- Lenovo Calliope Keyboard (USB connector), black
- Lenovo Calliope Keyboard (USB connector), white
- Lenovo Calliope Wireless Keyboard, black
- Lenovo Calliope Wireless Keyboard, silver
- Lenovo Calliope Wireless Keyboard, white

**Mouse\*\***

- Lenovo Calliope Mouse (USB connector), black
- Lenovo Calliope Mouse (USB connector), white
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), white

**Mechanical****Buttons**

- Optical drive eject button (ODD models only)
- Power button

**Form Factor**

AIO (24 inches)

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

541 x 185.34 x 433.56 (21.3 x 7.3 x 17.07 inches)

**Packaging Dimensions (WxDxH)**

235 x 666 x 561 mm (9.25 x 26.22 x 22.08 inches)

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

6.81 kg (15.01 lbs)

**Packaging Weight**

All models: 9.57 kg (21.09 lbs)

**Case Color\*\***

- Black
- White

**Bays**

- 1x 2.5" disk bay
- 1x slim ODD bay

**Expansion Slots**

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

**Stand**

- Monitor stand, supports -5° to +25° tilt
- AIO stand

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<sup>\*\*</sup>

- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.1, M.2 Card<sup>[1]</sup>
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card<sup>[2]</sup>

Notes:

[1], [2] Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

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

### Rear Ports

- 2x USB 2.0
- 2x USB 3.2 Gen 1
- 1x HDMI 1.4
- 1x Ethernet (RJ-45)
- 1x power connector

### Bottom Ports

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

#### BIOS Security

- Administrator password
- Power-on password
- Hard disk password

## SERVICE

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

#### Base Warranty<sup>\*\*</sup>

- 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)

### 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

- ErP Lot 3 and Lot 7
- RoHS compliant

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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.

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
- Feature with \*\*\* means that one or more offerings listed under the feature could be configured on selected models.
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