

**OVERVIEW**



|                     |   |
|---------------------|---|
| 1. Optical drive *  | 8. USB 3.2 Gen 1                              |
| 2. Power button     | 9. Kensington Security Slot                   |
| 3. HDMI-in          | 10. 2x USB 2.0                                |
| 4. Power connector  | 11. USB 3.2 Gen 1                             |
| 5. Ethernet (RJ-45) | 12. Card reader                               |
| 6. HDMI 1.4 out     | 13. Headphone / microphone combo jack (3.5mm) |
| 7. 2x USB 2.0       |   |

Notes:

- Ports with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

10th Generation Intel® Core™ i3 / i5 Processor

#### Processor\*\*

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor Graphics |
|----------------|-------|---------|----------------|---------------|-------|----------------|--------------------|
| Core i3-1005G1 | 2     | 4       | 1.2GHz         | 3.4GHz        | 4MB   | DDR4-3200      | Intel UHD Graphics |
| Core i5-1035G1 | 4     | 8       | 1.0GHz         | 3.6GHz        | 6MB   | DDR4-3200      | Intel UHD Graphics |

### Operating System

#### Operating System\*\*

- Windows® 10 Pro 64
- Windows 10 Home 64
- Windows 11 Pro 64
- Windows 11 Home 64
- Windows 11 DG Windows 10 Pro 64
- No operating system

### Graphics

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

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

#### Notes:

1. The information of integrated graphics are not applicable for the models without integrated graphics (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 16GB DDR4-3200

#### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

#### Memory Type

DDR4-3200

#### Memory Protection

Non-ECC

#### Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

### Storage

#### Storage Support

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\*\*\***

| Disk Type     | Interface  | RPM  | Security |
|---------------|------------|------|----------|
| 2.5" SATA HDD | SATA 6Gb/s | 5.4K | -        |
| 2.5" SATA HDD | SATA 6Gb/s | 7.2K | -        |
| M.2 2242 SSD  | PCIe NVMe  | -    | -        |

**Removable Storage**

**Optical**

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

**Card Reader**

3-in-1 card reader (SD, SDHC, SDXC)

**Multi-Media**

**Audio Chip**

High Definition (HD) Audio, Realtek® ALC233 codec

**Speakers**

Stereo speakers, 3W x2

**Microphone**

- Dual array microphone
- No microphone

**Camera**

- 720p webcam, LED indicator, with privacy camera cover
- No camera

**Power Supply**

**Power Supply**

| Power | Type    | Efficiency |
|-------|---------|------------|
| 65W   | Adapter | 88%        |

**DESIGN**

**Display**

**Display<sup>††</sup>**

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

**Touchscreen**

Non-touch

**Notes:**

1. California Electronic Waste Recycling Fee  
In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to <https://www.calrecycle.ca.gov/Electronics/Consumer>

**Input Device**

**Keyboard\*\***

- Lenovo Calliope Keyboard (USB connector), black
- Lenovo Calliope Wireless Keyboard, black

**Mouse\*\***

- Lenovo Calliope Mouse (USB connector), black
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
- Lenovo Fingerprint Mouse (USB connector), black
- No mouse

**Mechanical****Buttons**

- Power button
- Optical drive eject button (ODD models only)
- Camera cover slider

**Form Factor**

AIO (24 inches)

**Dimensions (WxDxH)**

| Models                                  | Dimensions  |
|---|---|
| Models with full function monitor stand | 541 x 220 x 383.9-484.9 mm (21.3 x 8.7 x 15.11-19.1 inches) |
| Models with monitor stand               | 541 x 214 x 450 mm (21.3 x 8.4 x 17.7 inches)               |
| Models without stand                    | 541 x 59.7 x 337 mm (21.3 x 2.4 x 13.3 inches)              |

**Weight**

| Models                                  | Weight            |
|---|-------------------|
| Models with full function monitor stand | 6.5 kg (14.3 lbs) |
| Models with monitor stand               | 6.4 kg (14.1 lbs) |
| Models without stand                    | 4.8 kg (10.6 lbs) |

**Case Color**

Raven black

**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 +35° tilt, left & right 45° swivel
- Full function monitor stand, supports -5° to +25° tilt, left & right 45° swivel, up to 100mm lift
- No stand

**Mounting**

Supports VESA mount 100mm

**CONNECTIVITY****Network****Onboard Ethernet**

Gigabit Ethernet, 1x RJ45

**WLAN + Bluetooth®\*\***

- Realtek RTL8822CE, 802.11ac Dual Band 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Intel Wireless-AC 9560, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- No WLAN and Bluetooth

**Ports<sup>[1]</sup>****Rear Ports<sup>[2]</sup>**

- 2x USB 2.0
- 1x USB 3.2 Gen 1

- 1x HDMI-out 1.4
- 1x HDMI-in
- 1x Ethernet (RJ-45)
- 1x power connector

**Left Ports**

- 2x USB 2.0
- 1x USB 3.2 Gen 1
- 1x card reader
- 1x headphone / microphone combo jack (3.5mm)

**Optional Left Ports**

None

**Right Ports**

None

**Optional Right Ports**

None

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**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;  
USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;  
Thunderbolt™ 3: 40 Gbit/s;  
FireWire 400: 400 Mbit/s;  
FireWire 800: 800 Mbit/s
2. For video ports on discrete graphics, please see graphics section

## SECURITY & PRIVACY

### Security

**Security Chip**

Firmware TPM 2.0 integrated in chipset

**Physical Locks**

Kensington® Security Slot

**Fingerprint Reader**

- Touch style fingerprint reader on mouse
- No fingerprint reader

**Other Security**

(Optional) Camera privacy shutter

**BIOS Security**

- Administrator password
- Power-on password
- Hard disk password
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Individual USB port disablement

## SERVICE

### Warranty

**Base Warranty\*\***

- 1-year depot service
- 1-year limited onsite service

## 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: -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

#### Green Certifications

- EPEAT™ Silver
- ENERGY STAR® 8.0
- RoHS compliant

### Other Certifications

#### Other Certifications

- (Optional) TÜV Rheinland® Low Blue Light
- (Optional) TÜV Rheinland Ultra Low Noise

- 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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