### OVERVIEW

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Optical drive *</td>
</tr>
<tr>
<td>2.</td>
<td>Power button</td>
</tr>
<tr>
<td>3.</td>
<td>Power connector</td>
</tr>
<tr>
<td>4.</td>
<td>Ethernet (RJ-45)</td>
</tr>
<tr>
<td>5.</td>
<td>HDMI 1.4 out</td>
</tr>
<tr>
<td>6.</td>
<td>USB 2.0</td>
</tr>
<tr>
<td>7.</td>
<td>USB 2.0</td>
</tr>
<tr>
<td>8.</td>
<td>USB 3.1 Gen 1</td>
</tr>
<tr>
<td>9.</td>
<td>USB 3.1 Gen 1</td>
</tr>
<tr>
<td>10.</td>
<td>Card reader</td>
</tr>
<tr>
<td>11.</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
</tbody>
</table>

**Notes:**
- Ports with * are only available on selected models
PERFORMANCE

Processor

Processor Family

10th Generation Intel® Core™ i3 / i5 Processor

<table>
<thead>
<tr>
<th>Processor Name</th>
<th>Cores</th>
<th>Threads</th>
<th>Base Frequency</th>
<th>Max Frequency</th>
<th>Cache</th>
<th>Memory Support</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core i3-1005G1</td>
<td>2</td>
<td>4</td>
<td>1.2GHz</td>
<td>3.4GHz</td>
<td>4MB</td>
<td>DDR4-3200</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>Core i5-1035G4</td>
<td>4</td>
<td>8</td>
<td>1.1GHz</td>
<td>3.7GHz</td>
<td>6MB</td>
<td>DDR4-3200</td>
<td>Intel Iris® Plus Graphics</td>
</tr>
</tbody>
</table>

Operating System

Operating System

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

Graphics

Graphics Type[1]

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Connector</th>
<th>Max Resolution</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel UHD Graphics</td>
<td>Integrated</td>
<td>Shared</td>
<td>1x HDMI 1.4</td>
<td>1920x1080@60Hz (HDMI)</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>Intel Iris Plus Graphics</td>
<td>Integrated</td>
<td>Shared</td>
<td>1x HDMI 1.4</td>
<td>1920x1080@60Hz (HDMI)</td>
<td>DirectX 12</td>
</tr>
</tbody>
</table>

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[1]

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

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5&quot; SATA HDD</td>
<td>SATA 6Gb/s</td>
<td>5.4K</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**RAID**

No support

### Removable Storage

**Optical**

DVD burner (DVD±RW), SATA 1.5Gb/s, slim (9.0mm)

**Card Reader**

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

### Multi-Media

**Audio Chip**

High Definition (HD) Audio

**Speakers**

Stereo speakers, 3W x2

**Microphone**

Single microphone

**Camera**

720p, fixed focus

### Power Supply

**Power Supply**

<table>
<thead>
<tr>
<th>Power</th>
<th>Type</th>
<th>Efficiency</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>65W</td>
<td>Adapter</td>
<td>88%</td>
<td>100V - 240V</td>
</tr>
</tbody>
</table>

### DESIGN

### Display

**Display**

<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Touch</th>
<th>Brightness</th>
<th>Surface</th>
<th>Aspect Ratio</th>
<th>Contrast Ratio</th>
<th>Color Gamut</th>
<th>Viewing Angle</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.5&quot;</td>
<td>FHD (1920x1080)</td>
<td>None</td>
<td>IPS 250 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>1000:1</td>
<td>-</td>
<td>horizontal: +/-89°, vertical: +/-89°</td>
<td>Borderless design, anti-glare</td>
</tr>
<tr>
<td>21.5&quot;</td>
<td>FHD (1920x1080)</td>
<td>Multi-touch</td>
<td>IPS 250 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>1000:1</td>
<td>-</td>
<td>horizontal: +/-89°, vertical: +/-89°</td>
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</tr>
</tbody>
</table>

**Touchscreen**

- Advanced In-cell Touch (AIT), supports 10-point touch
- 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](https://www.calrecycle.ca.gov/Electronics/Consumer)

### Input Device

**Keyboard**
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), silver
• Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), white

Mechanical

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

Form Factor
AIO (21.5 inches)

Dimensions (WxDxH)

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>490.5 x 185 x 417.68 mm (19.31 x 7.28 x 16.44 inches)</td>
</tr>
</tbody>
</table>

Weight

<table>
<thead>
<tr>
<th>Models with stand</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Models</td>
<td>7 kg (15.43 lbs)</td>
</tr>
</tbody>
</table>

Case Color**
• Business black
• Foggy 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

CONNECTIVITY

Network

Onboard Ethernet
Gigabit Ethernet, 1x RJ45

WLAN + Bluetooth®
Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card

Ports**(1)

Rear Ports**(2)
• 2x USB 2.0
• 1x USB 3.1 Gen 1
• 1x HDMI-out 1.4
• 1x Ethernet (RJ-45)
• 1x power connector

Left Ports
• 1x USB 3.1 Gen 1
• 1x card reader
• 1x headphone / microphone combo jack (3.5mm)

Right Ports
None

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
BIOS Security
• Administrator password
• Power-on password

SERVICE

Warranty
Base Warranty**
• 1-year mail-in service
• 1-year depot service
• 1-year limited onsite service
• 2-year depot 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
• ENERGY STAR® 8.0
• ErP Lot 3 and Lot 7
• RoHS compliant
• 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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