### OVERVIEW

<table>
<thead>
<tr>
<th>Port</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power button</td>
</tr>
<tr>
<td>2</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
<tr>
<td>3</td>
<td>USB-C 3.2 Gen 2</td>
</tr>
<tr>
<td>4</td>
<td>2x USB 3.2 Gen 2</td>
</tr>
<tr>
<td>5</td>
<td>Card reader</td>
</tr>
<tr>
<td>6</td>
<td>Optical drive *</td>
</tr>
<tr>
<td>7</td>
<td>Audio line-out (3.5mm)</td>
</tr>
<tr>
<td>8</td>
<td>HDMI 1.4</td>
</tr>
<tr>
<td>9</td>
<td>VGA</td>
</tr>
<tr>
<td>10</td>
<td>2x USB 2.0</td>
</tr>
<tr>
<td>11</td>
<td>Ethernet (RJ-45)</td>
</tr>
<tr>
<td>12</td>
<td>2x USB 2.0</td>
</tr>
<tr>
<td>13</td>
<td>Power connector</td>
</tr>
</tbody>
</table>

**Notes:**

- Ports with * are only available on selected models.
PERFORMANCE

Processor

Processor Family
AMD Ryzen™ 3 / 5 / 7 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>AMD Ryzen 3 4300G</td>
<td>4</td>
<td>8</td>
<td>3.8GHz</td>
<td>4.0GHz</td>
<td>2MB L2 / 4MB L3</td>
<td>DDR4-3200</td>
<td>AMD Radeon™ Graphics</td>
</tr>
<tr>
<td>AMD Ryzen 5 4600G</td>
<td>6</td>
<td>12</td>
<td>3.7GHz</td>
<td>4.2GHz</td>
<td>3MB L2 / 8MB L3</td>
<td>DDR4-3200</td>
<td>AMD Radeon Graphics</td>
</tr>
<tr>
<td>AMD Ryzen 7 4700G</td>
<td>8</td>
<td>16</td>
<td>3.6GHz</td>
<td>4.4GHz</td>
<td>4MB L2 / 8MB L3</td>
<td>DDR4-3200</td>
<td>AMD Radeon Graphics</td>
</tr>
</tbody>
</table>

Operating System

Operating System
• Windows® 10 Home 64
• No operating system

Graphics

Graphics[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>AMD Radeon Graphics</td>
<td>Integrated</td>
<td>Shared</td>
<td>1x HDMI® 1.4, 1x VGA</td>
<td>3840x2160@30Hz(HDMI), 2048x1536@50Hz(VGA)</td>
<td>DirectX® 12</td>
</tr>
<tr>
<td>AMD Radeon RX 550X</td>
<td>Discrete</td>
<td>4GB GDDR5</td>
<td>1x HDMI 2.0, 1x VGA, 1x DP 1.4</td>
<td>4096x2160@60Hz(HDMI), 2048x1536@85Hz(VGA), 3840x2160@60Hz(DP)</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 onboard ports (VGA and HDMI), more displays support via discrete graphics

Chipset

Chipset
AMD PRO 565 chipset

Memory

Max Memory[1]
Up to 32GB DDR4-3200

Memory Slots
Two DDR4 UDIMM 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 3.5" HDD + 1x M.2 SSD
- 3.5" HDD up to 2TB
- M.2 SSD up to 512GB

**Storage Type**

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5&quot; SATA HDD</td>
<td>SATA 6Gb/s</td>
<td>7.2K</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe</td>
<td></td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe</td>
<td></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)
- None

**Card Reader**
- 3-in-1 card reader (SD, SDHC, SDXC)
- No card reader

**Multi-Media**

**Audio Chip**
High Definition (HD) Audio, Realtek® ALC222 codec

**Speakers**
No speakers

**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>260W</td>
<td>Fixed</td>
<td>85%</td>
<td>100V - 240V</td>
</tr>
</tbody>
</table>

**DESIGN**

**Input Device**

**Keyboard**
- Lenovo Calliope Keyboard (USB connector), black
- No keyboard

**Mouse**
Lenovo Calliope Mouse (USB connector), black

**Mechanical**

**Form Factor**
Tower (13.6L)

**Dimensions (WxDxH)**
145 x 284.6 x 340 mm (5.71 x 11.2 x 13.39 inches)

**Weight**
5.4 kg (11.9 lbs)

**Case Color**
Mineral grey

**Bays**
• 1x 3.5" disk bay
• 1x slim ODD bay

**Expansion Slots**
- One PCIe 3.0 x1, full height
- One PCIe 3.0 x16, full height
- Two M.2 slots (one for WLAN, one for SSD)

**Cooling System (Fan & Cooler)**
(Optional) 1x front system fan, 1x rear system fan

**CONNECTIVITY**

**Network**

**Onboard Ethernet**
Gigabit Ethernet, 1x RJ45

**WLAN + Bluetooth®**
- 802.11ax 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- No WLAN and Bluetooth

**Ports**

**Front Ports**
- 2x USB 3.2 Gen 2
- 1x USB-C 3.2 Gen 2 (support data transfer and 5V@3A charging)
- 1x headphone / microphone combo jack (3.5mm)

**Optional Front Ports**
- 1x card reader

**Rear Ports**
- 4x USB 2.0
- 1x VGA
- 1x HDMI 1.4
- 1x Ethernet (RJ-45)
- 1x line-out (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;
   - 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
- Hard disk password

**SERVICE**

**Warranty**

**Base Warranty**
1-year mail-in service
• 1-year depot service
• 2-year depot service

ENVIRONMENTAL

Operating Environment

Temperature
Storage: -40°C (-40°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
• RoHS compliant