OVERVIEW

1. USB-C 3.2 Gen 1 (data transfer / DP 1.4 only)
2. USB 3.2 Gen 1 (Always On)
3. Power button
4. USB-C 3.2 Gen 1
5. USB 3.2 Gen 1
6. Headphone / microphone combo jack (3.5mm)
PERFORMANCE

Processor

Processor Family
AMD Ryzen™ 5 / 7 Processor

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 5 4500U</td>
<td>6</td>
<td>6</td>
<td>2.3GHz</td>
<td>4.0GHz</td>
<td>3MB L2 / 8MB L3</td>
<td>DDR4-3200</td>
<td>AMD Radeon™ Graphics</td>
</tr>
<tr>
<td>AMD Ryzen 5 PRO 4650U</td>
<td>6</td>
<td>12</td>
<td>2.1GHz</td>
<td>4.0GHz</td>
<td>3MB L2 / 8MB L3</td>
<td>DDR4-3200</td>
<td>AMD Radeon Graphics</td>
</tr>
<tr>
<td>AMD Ryzen 7 4700U</td>
<td>8</td>
<td>8</td>
<td>2.0GHz</td>
<td>4.1GHz</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 Pro 64
- Windows 10 Home 64

Graphics

Graphics

<table>
<thead>
<tr>
<th>Graphics Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMD Radeon Graphics</td>
<td>Shared</td>
<td>DirectX® 12</td>
</tr>
</tbody>
</table>

Monitor Support

Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via USB-C)
- USB-C supports up to 3840x2160@60Hz

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

Max Memory**

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots

Memory Type

DDR4-3200

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

One drive, up to 512GB M.2 2242 SSD or 1TB M.2 2280 SSD

Storage Slot

One M.2 2280 PCIe® Gen 3x4 slot, supports M.2 2242/2280 SSD

Storage Type**
### Removable Storage

**Optical**
None

**Card Reader**
No card reader

### Multi-Media

**Audio Chip**
High Definition (HD) Audio

**Speakers**
Stereo speakers, 1.5W x2, optimized with Dolby® Atmos®

**Microphone**
Dual array microphone

**Camera**
1.0-megapixel RGB, 720p, with privacy shutter, fixed focus

### Sensor

**Sensors**
Accelerometer (G) sensor

### Battery

**Battery**
Integrated Li-Polymer 60Wh battery

**Max Battery Life**
- Local video (1080p) playback: 18 hr
- MobileMark® 2014: 18 hr

**Notes:**
1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, JEITA 2.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary and depends on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

### Power Adapter

**Power Adapter**
45W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

### DESIGN

### Display

#### Display

<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Touch</th>
<th>Type</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>13.3&quot;</td>
<td>FHD (1920x1080)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-scratch</td>
<td>16:9</td>
<td>-</td>
<td>72% NTSC</td>
<td>-</td>
<td>AAR 88%</td>
</tr>
</tbody>
</table>

**Touchscreen**
OGS (One Glass Solution) multi-touch, supports 10-point touch

**Notes:**

Multi-mode

Laptop, tent, stand and tablet modes supported by 360° hinge

Input Device

Pen

- Lenovo Digital Pen with replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo Digital Pen Overview
- Lenovo Digital Pen without replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo Digital Pen Overview
- No pen (pen sold separately)

Keyboard

6-row, multimedia Fn keys

Keyboard Backlight

LED backlight

Touchpad

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 62 x 104 mm (2.44 x 4.09 inches)

Mechanical

Dimensions (WxDxH)

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>308.1 x 206.5 x 17.1-18.3 mm</td>
</tr>
<tr>
<td></td>
<td>(12.12 x 8.12 x 0.67-0.72 inches)</td>
</tr>
</tbody>
</table>

Weight

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>1.32 kg (2.91 lbs)</td>
</tr>
</tbody>
</table>

Case Color

Abyss blue

Surface Treatment

Fabric

Case Material

Fabric + aluminium (top), PC + ABS (bottom)

Notes:

1. The system weight varies depending on configurations.

CONNECTIVITY

Network

WLAN + Bluetooth®

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

Ports

<table>
<thead>
<tr>
<th>Standard Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>1x USB 3.2 Gen 1</td>
</tr>
<tr>
<td>1x USB 3.2 Gen 1 (Always On)</td>
</tr>
<tr>
<td>1x USB-C 3.2 Gen 1 (support data transfer and DisplayPort™ 1.4)</td>
</tr>
<tr>
<td>1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)</td>
</tr>
<tr>
<td>1x Headphone / microphone combo jack (3.5mm)</td>
</tr>
</tbody>
</table>

Notes:
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

### SECURITY & PRIVACY

**Security**

**Security Chip**

Firmware TPM 2.0 integrated in chipset

**Fingerprint Reader**

Touch style fingerprint reader on palm rest

**BIOS Security**

- Administrator password
- User password
- Master hard disk password
- User hard disk password

### SERVICE

**Warranty**

**Base Warranty**

- 1-year depot service
- 1-year depot with 2-year system board service
- 2-year (1-yr battery) depot service

Notes:

1. More information of warranty policy, please access https://pcsupport.lenovo.com/warranty

### ENVIRONMENTAL

**Operating Environment**

**Temperature**

- At altitudes up to 2438 m (8,000 ft)
  - Operating: 5°C to 35°C (41°F to 95°F)
  - Storage: 5°C to 43°C (41°F to 109°F)
- At altitudes above 2438 m (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°F)

**Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

1. When you charge the battery, its temperature must be no lower than 10°C (50°F).

### CERTIFICATIONS

**Green Certifications**

Green Certifications
ENERGY STAR® 8.0
ErP Lot 3
RoHS compliant

Feature with ** means that only one offering listed under the feature is configured on selected models.

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