### OVERVIEW

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>USB 3.2 Gen 1 (Always On)</td>
</tr>
<tr>
<td>2.</td>
<td>USB 3.2 Gen 1</td>
</tr>
<tr>
<td>3.</td>
<td>Card reader</td>
</tr>
<tr>
<td>4.</td>
<td>Power button</td>
</tr>
<tr>
<td>5.</td>
<td>Power connector</td>
</tr>
<tr>
<td>6.</td>
<td>HDMI</td>
</tr>
<tr>
<td>7.</td>
<td>USB-C 3.2 Gen 1</td>
</tr>
<tr>
<td>8.</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
<tr>
<td>9.</td>
<td>NOVO button hole</td>
</tr>
</tbody>
</table>

**Notes:**

- If a USB-C adapter is shipped with your computer, connect the adapter to USB-C 3.2 Gen 1 for charging.
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 4300U</td>
<td>4</td>
<td>4</td>
<td>2.7GHz</td>
<td>3.7GHz</td>
<td>2MB L2 / 4MB L3</td>
<td>DDR4-3200</td>
<td>AMD Radeon™ Graphics</td>
</tr>
<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 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
• Windows 10 Home 64 Single Language
• Windows 10 Home Single Language in S mode
• Windows 10 Home in S mode

Notes:
1. Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

Graphics

**Graphics**

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

Monitor Support

**Monitor Support**
Supports up to 2 independent displays (native display and 1 external monitor via HDMI®)
• HDMI supports up to 4096x2160@24Hz

Chipset

**Chipset**
AMD SoC (System on Chip) platform

Memory

**Max Memory**
• 4GB soldered memory, not upgradable
• 8GB soldered memory, not upgradable
• 16GB soldered memory, not upgradable

**Memory Slots**
• Memory soldered to systemboard, no slots, single-channel (4GB models)
• Memory soldered to systemboard, no slots, dual-channel (8GB or 16GB models)

**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 2242 PCIe® 3.0 x2 slot
- One M.2 2280 PCIe 3.0 x4 slot

Storage Type

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>Offering</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe®, PCIe 3.0 x2</td>
<td>128GB / 256GB / 512GB</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>256GB / 512GB / 1TB</td>
</tr>
</tbody>
</table>

Notes:
1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

Removable Storage

Optical
None

Card Reader
4-in-1 card reader (SD, SDHC, SDXC, MMC)

Multi-Media

Audio Chip
High Definition (HD) Audio

Speakers
Stereo speakers, 2W x2, optimized with Dolby® Audio™

Microphone
Dual-microphone array

Camera
HD 720p, with privacy shutter, fixed focus

Sensor

Sensors
Accelerometer (G) sensor

Battery

Battery
Integrated Li-Polymer 52.5Wh battery, supports Quick Charge (charge up to 80% in 1hr) and Smart Charge (get 2 hours of runtime with a 15-minute charge)

Max Battery Life
MobileMark® 2014: 12 hr
Local video (1080p) playback@150nits: 12 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
- 65W round tip (2-pin, wall-mount) AC adapter, 100-240V, 50-60Hz
- 65W round tip (3-pin) AC adapter, 100-240V, 50-60Hz
• 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:
1. AC adapter offerings depend on the country.

DESIGN

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>14&quot;</td>
<td>FHD (1920x1080)</td>
<td>Multi-touch</td>
<td>TN</td>
<td>220 nits</td>
<td>Glossy</td>
<td>16:9</td>
<td>-</td>
<td>45% NTSC</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.0&quot;</td>
<td>FHD (1920x1080)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>250 nits</td>
<td>Glossy</td>
<td>16:9</td>
<td>-</td>
<td>45% NTSC</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Touchscreen
OGS (One Glass Solution) Direct Bonding, capacitive-type multi-touch, supports 10-point 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

Multi-mode
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[1]
• LED backlight
• Non-backlight

Touchpad
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)

Notes:
1. Optional 2-level LED backlight

Mechanical

Dimensions (WxDxH)[3]

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic model</td>
<td>321.5 x 217.5 x 17.9 mm (12.65 x 8.56 x 0.70 inches)</td>
</tr>
</tbody>
</table>

Weight[2]
Around 1.5 kg (3.31 lbs)

Case Color**
• Graphite grey
• Light teal
• Platinum grey

**Surface Treatment**  
Metallic painting

**Case Material**  
PC-ABS (top), PC-ABS (bottom)

**Notes:**  
1. The system dimensions 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**

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

**Notes:**  
1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

**Ports**

**Standard Ports**  
- 1x USB 3.2 Gen 1  
- 1x USB 3.2 Gen 1 (Always On)  
- 1x USB-C 3.2 Gen 1 (support data transfer and Power Delivery)  
- 1x HDMI 1.4b  
- 1x Card reader  
- 1x Headphone / microphone combo jack (3.5mm)  
- 1x Power connector

**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™ 3/4: 40 Gbit/s

**SECURITY & PRIVACY**

**Security**

**Security Chip**  
Firmware TPM 2.0 integrated in SoC

**Fingerprint Reader**  
- Touch style fingerprint reader on palm rest  
- No fingerprint reader

**BIOS Security**  
- Administrator password  
- User password  
- Master hard disk password  
- User hard disk password

**Other Security**  
Camera privacy shutter

**SERVICE**
Warranty

Base Warranty**
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 2-year (1-yr battery) courier or carry-in service

ENVIRONMENTAL

Operating Environment

Temperature\(^{(1)}\)
- 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: 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

- EPEAT™ Silver
- ENERGY STAR® 8.0
- ErP Lot 3
- NRCan
- RoHS compliant

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