OVERVIEW

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Card reader</td>
<td>5.</td>
<td>USB-C 3.2 Gen 1</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>USB 3.2 Gen 1</td>
<td>6.</td>
<td>HDMI 1.4b</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>USB 3.2 Gen 1 (Always On)</td>
<td>7.</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Power connector *</td>
<td>8.</td>
<td>NOVO button hole</td>
<td></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 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 5 4600U</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>
<tr>
<td>AMD Ryzen 7 4800U</td>
<td>8</td>
<td>16</td>
<td>1.8GHz</td>
<td>4.2GHz</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 in S mode
- FreeDOS
- No operating system

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 3 independent displays via native display and 2 external monitors; supports external monitors via HDMI® (up to 3840x2160@30Hz) or USB-C (up to 3840x2160@60Hz)

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 (4GB model)
- Memory soldered to systemboard, no slots, dual-channel (8GB or 16GB model)

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 512GB M.2 2280 SSD

Storage Type

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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, Dolby® Audio™

Microphone
Dual array microphone

Camera
720p, with privacy shutter, fixed focus

Battery

Battery
- Integrated Li-Polymer 44.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 56.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 95W USB-C AC adapter

Max Battery Life(*)
- MobileMark® 2014: 11.5 hr (44.5Wh)
- MobileMark 2014: 14 hr (56.5Wh)

Notes:
1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, and/or JEITA 2.0 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 USB-C (3-pin) AC adapter
- 65W round tip (3-pin) AC adapter
- 65W round tip (2-pin, wall-mount) AC adapter
- 95W USB-C (3-pin) AC adapter

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>14.0&quot;</td>
<td>HD (1366x768)</td>
<td>None</td>
<td>TN</td>
<td>250 nits</td>
<td>Anti-</td>
<td>16:9</td>
<td>-</td>
<td>45% NTSC</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
### Input Device

**Keyboard**
6-row, multimedia Fn keys

**Keyboard Backlight**
- LED backlight
- No support

**Touchpad**
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP)

### Mechanical

**Dimensions (WxDxH)**

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium (top), aluminium (bottom) models</td>
<td>321.57 x 211.59 x 16.9-19.1 mm (12.66 x 8.33 x 0.67-0.75 inches)</td>
</tr>
<tr>
<td>Aluminium (top), PC + ABS (bottom) models</td>
<td>321.57 x 211.59 x 17.9-19.9 mm (12.66 x 8.33 x 0.7-0.78 inches)</td>
</tr>
</tbody>
</table>

**Weight**

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium (top), aluminium (bottom) models</td>
<td>1.38 kg (3.04 lbs)</td>
</tr>
<tr>
<td>Aluminium (top), PC + ABS (bottom) models</td>
<td>1.39 kg (3.06 lbs)</td>
</tr>
</tbody>
</table>

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

**Surface Treatment**
Anodizing

**Case Material**
- Aluminium (top), aluminium (bottom)
- Aluminium (top), PC + ABS (bottom)

Notes:
1. The system weight varies depending on configurations

### CONNECTIVITY

**Network**

**Onboard Ethernet**
No Ethernet

**WLAN + Bluetooth®**
802.11ac 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card

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, Power Delivery 3.0 and DisplayPort™ 1.4)
1x HDMI 1.4b
1x Card reader
1x Headphone / microphone combo jack (3.5mm)

Optional Ports
1x Power connector (model with plastic bottom)

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. Depending on many factors, actual data transfer speed may be lower than theoretical speed

SECURITY & PRIVACY

Security

Security Chip
Firmware TPM 2.0 integrated in chipset

Fingerprint Reader
Touch style fingerprint reader on power button
No fingerprint reader

BIOS Security
Administrator password
Power-on password
Hard disk password

Other Security
Camera privacy shutter

SERVICE

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

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)

Notes:
1. Depending on many factors, actual data transfer speed may be lower than theoretical speed
- 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

ENERGY STAR® 8.0
ErP Lot 3
RoHS compliant