## Overview

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<tbody>
<tr>
<td>1.</td>
<td>USB 3.2 Gen 1 (Always On)</td>
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<td>2.</td>
<td>USB 3.2 Gen 1</td>
</tr>
<tr>
<td>3.</td>
<td>Card reader</td>
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<td>4.</td>
<td>Power button</td>
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<td>5.</td>
<td>Power connector</td>
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<td>6.</td>
<td>HDMI 1.4b</td>
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<td>7.</td>
<td>USB-C 3.2 Gen 1</td>
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<tr>
<td>8.</td>
<td>Headphone / microphone combo jack (3.5mm)</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
11th Generation Intel® Core™ i3 / i5 / i7 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 i3-1115G4</td>
<td>2</td>
<td>4</td>
<td>3.0GHz</td>
<td>4.1GHz</td>
<td>6MB</td>
<td>DDR4-3200</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>Core i5-1135G7</td>
<td>4</td>
<td>8</td>
<td>2.4GHz</td>
<td>4.2GHz</td>
<td>8MB</td>
<td>DDR4-3200</td>
<td>Intel Iris® Xe Graphics</td>
</tr>
<tr>
<td>Core i7-1165G7</td>
<td>4</td>
<td>8</td>
<td>2.8GHz</td>
<td>4.7GHz</td>
<td>12MB</td>
<td>DDR4-3200</td>
<td>Intel Iris Xe Graphics</td>
</tr>
</tbody>
</table>

Operating System

Operating System
• Windows® 10 Home 64
• Windows 10 Home in S mode
• Windows 10 Pro 64

Graphics

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel UHD Graphics</td>
<td>Integrated</td>
<td>Shared</td>
<td>DirectX® 12</td>
</tr>
<tr>
<td>Intel Iris Xe Graphics</td>
<td>Integrated</td>
<td>Shared</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>NVIDIA® GeForce® MX450</td>
<td>Discrete</td>
<td>2GB GDDR6</td>
<td>DirectX 12</td>
</tr>
</tbody>
</table>

Monitor Support

Monitor Support
Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI® (up to 4096x2160@30Hz)

Chipset

Chipset
Intel SoC (System on Chip) platform

Memory

Memory Type
DDR4-3200

Memory Slots
Memory soldered to systemboard, no slots, dual-channel

Max Memory

• 12GB soldered memory, not upgradable
• 8GB soldered memory, not upgradable
• 16GB soldered memory, not upgradable

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, 1x M.2 2280 SSD or 1x M.2 2242 SSD
• M.2 2280 SSD up to 1TB
• M.2 2242 SSD up to 512GB

Storage Type
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

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[^1]
• MobileMark® 2014: 10 hr (FHD)
• MobileMark 2014: 7 hr (UHD)

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 AC adapter
• 65W round tip AC adapter
• 65W round tip (Wall Mount) AC adapter

DESIGN
Display
Display[^1]

<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>View Angles</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.6” UHD</td>
<td>(3840x2160)</td>
<td>Multi-</td>
<td>IPS</td>
<td>500 nits</td>
<td>Glossy</td>
<td>16:9</td>
<td>-</td>
<td>72% NTSC</td>
<td>-</td>
<td>VESA HDR 400, Dolby Vision™</td>
</tr>
<tr>
<td>15.6” FHD</td>
<td>(1920x1080)</td>
<td>Multi-</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) multi-touch, supports 10-point touch

**Multi-mode**
Laptop, tent, stand and tablet modes supported by 360° hinge

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**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

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**Input Device**

**Pen**
- Lenovo Digital Pen with replaceable battery
- Lenovo Digital Pen without replaceable battery
- No pen (pen needs to be purchased separately)

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

**Keyboard Backlight**
- LED backlight
- Not support

**Touchpad**
Buttonless Mylar® surface multi-touch touchpad

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**Notes:**
1. Optional 2-level LED backlight

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**Mechanical**

**Dimensions (WxDxH)**
357.6 x 237.9 x 17.9-20.9 mm (14.07 x 9.36 x 0.70-0.82 inches)

**Weight**
1.8 kg (3.97 lbs)

**Case Color**
- Graphite grey
- Platinum grey

**Surface Treatment**
Aluminium anodizing stamping

**Case Material**
Aluminium (top), PC + GF (bottom)

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**CONNECTIVITY**

**Network**

**WLAN + Bluetooth™**
- Wi-Fi 5, 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card

**Ports**

**Standard Ports**(2)
- 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: 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
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 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)
  - 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