## OVERVIEW

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Power button</td>
</tr>
<tr>
<td>2.</td>
<td>USB 3.2 Gen 1 (Always On)</td>
</tr>
<tr>
<td>3.</td>
<td>USB 3.2 Gen 1</td>
</tr>
<tr>
<td>4.</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
<tr>
<td>5.</td>
<td>Thunderbolt 4</td>
</tr>
<tr>
<td>6.</td>
<td>Thunderbolt 4</td>
</tr>
</tbody>
</table>
PERFORMANCE

Processor

Processor Family
11th Generation Intel® Core™ 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 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 Pro 64
- Windows 10 Home 64
- Windows 11 Pro 64
- Windows 11 Home 64

Graphics

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel Iris Xe 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 Thunderbolt™ 4 (up to 7680×4320@60Hz)

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Max Memory**(i)

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

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

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

<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>
</tbody>
</table>
Removable Storage
Optical
None
Card Reader
No card reader

Multi-Media
Audio Chip
High Definition (HD) Audio
Speakers
Stereo speakers, 2W x2, optimized with Dolby® Atmos®
Microphone
Dual array microphone, support WoV (Wake-on-Voice)
Camera
1.0-megapixel RGB, 720p, with privacy shutter, fixed focus

Sensor
Sensors
• Accelerometer (G) sensor
• Ambient light sensor (ALS)

Battery
Integrated Li-Polymer 71Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

Max Battery Life [*]
• MobileMark® 2014: 14.5 hr
  MobileMark 2018: 11.7 hr
  Local video (1080p) playback@150nits: 14.7 hr
• MobileMark 2014: 19.7 hr
  MobileMark 2018: 12 hr
  Local video (1080p) playback@150nits: 19.05 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 USB-C slim (3-pin) AC adapter
• 65W USB-C (3-pin) 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>Viewing Angle</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.6” 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>AGC Soda-lime glass</td>
<td></td>
</tr>
<tr>
<td>15.6” FHD</td>
<td>Multi-touch</td>
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<td>-</td>
<td>100%</td>
<td>-</td>
<td>AGC Soda-lime glass</td>
<td></td>
</tr>
</tbody>
</table>
## Touchscreen

GF2 or OGM (One Glass Metal mesh) Direct Bonding, capacitive-type 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.carecycle.ca.gov/Electronics/Consumer](https://www.carecycle.ca.gov/Electronics/Consumer)

### Input Device

**Pen**

- Lenovo Digital Pen with replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity
- Lenovo Digital Pen without replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity
- No pen (pen sold separately)

**Keyboard**

- 6-row, multimedia Fn keys, numeric keypad

**Keyboard Backlight**

- LED backlight

**Touchpad**

- Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP)

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### Mechanical

#### Dimensions (WxDxH)

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>356.46 x 235.65 x 17.97-19.25 mm (14.03 x 9.27 x 0.70-0.75 inches)</td>
</tr>
</tbody>
</table>

#### Weight

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>1.9 kg (4.19 lbs)</td>
</tr>
</tbody>
</table>

### Case Color

- Dark moss
- Slate grey

### Surface Treatment

Aluminium anodizing stamping

### Case Material

Aluminium (top), aluminium (bottom)

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### 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 5.0, M.2 card

**Ports**

**Standard Ports**
- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt 4 / USB4™ 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Headphone / microphone combo jack (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

**Monitor Cable**

**Monitor Cable**
- Lenovo USB-C 3-in-1 Hub (USB-C to VGA / HDMI® / USB-A)
- No monitor cable

**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

**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
- 3-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)
- 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
- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS compliant

Other Certifications
(Optional) Intel Evo™ Platform

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

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