## OVERVIEW

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<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>1</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
<tr>
<td>2</td>
<td>USB 3.2 Gen 1 (Always On)</td>
</tr>
<tr>
<td>3</td>
<td>Power button</td>
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<tr>
<td>4</td>
<td>HDMI</td>
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<td>5</td>
<td>Thunderbolt 4</td>
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<td>6</td>
<td>Thunderbolt 4</td>
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<tr>
<td>7</td>
<td>MicroSD card reader</td>
</tr>
</tbody>
</table>
PERFORMANCE

Processor

Processor Family

12th Generation Intel® Core™ i5 / i7 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>Core i5-1235U</td>
<td>10 (2 P-core + 8 E-core)</td>
<td>12</td>
<td>P-core 1.3GHz / E-core 0.9GHz</td>
<td>P-core 4.4GHz / E-core 3.3GHz</td>
<td>12MB</td>
<td>LPDDR5-5200</td>
<td>Intel Iris Xe Graphics</td>
</tr>
<tr>
<td>Core i7-1255U</td>
<td>10 (2 P-core + 8 E-core)</td>
<td>12</td>
<td>P-core 1.7GHz / E-core 1.2GHz</td>
<td>P-core 4.7GHz / E-core 3.5GHz</td>
<td>12MB</td>
<td>LPDDR5-5200</td>
<td>Intel Iris Xe Graphics</td>
</tr>
<tr>
<td>Core i5-1240P</td>
<td>12 (4 P-core + 8 E-core)</td>
<td>16</td>
<td>P-core 1.7GHz / E-core 1.2GHz</td>
<td>P-core 4.4GHz / E-core 3.3GHz</td>
<td>12MB</td>
<td>LPDDR5-5200</td>
<td>Intel Iris Xe Graphics</td>
</tr>
<tr>
<td>Core i7-1260P</td>
<td>12 (4 P-core + 8 E-core)</td>
<td>16</td>
<td>P-core 2.1GHz / E-core 1.5GHz</td>
<td>P-core 4.7GHz / E-core 3.4GHz</td>
<td>18MB</td>
<td>LPDDR5-5200</td>
<td>Intel Iris Xe Graphics</td>
</tr>
</tbody>
</table>

Notes:
1. The maximum supported memory speed will vary on the selected onboard memory.

Operating System

**Operating System**

- Windows® 11 Pro 64
- Windows 11 Home 64

Graphics

**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® 12.1</td>
</tr>
</tbody>
</table>

Monitor Support

**Monitor Support**

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)
- HDMI supports up to 4096x2160@60Hz
- Thunderbolt supports up to 4096x2304@60Hz

Chipset

**Chipset**

Intel SoC (System on Chip) platform

Memory

**Max Memory**

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

**Memory Slots**

Memory soldered to system board, no slots, dual-channel

**Memory Type**

LPDDR5-4800

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 1TB M.2 2242 SSD

Storage Slot
One M.2 2280 PCIe® Gen 4x4 slot, supports M.2 2242/2280 SSD

<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 4.0 x4</td>
<td>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
Card Reader
MicroSD card reader, supports UHS-I card

Multi-Media
Audio Chip
High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers
Stereo speakers, 2W x2 (woofers), 2W x2 (tweeters), optimized with Dolby® Atmos®, Smart Amplifier (AMP)

Microphone
Dual array microphone with noise-cancelling, support Lenovo Voice Assistant (LVA), and Amazon Alexa

Camera
IR & FHD 1080p hybrid, with privacy shutter, fixed focus

Notes:
1. Amazon Alexa might be limited by country-level restrictions.

Sensor
Sensors
• Accelerometer (G) sensor
• Hall sensor

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

Max Battery Life
• 2.2K IPS model:
  MobileMark® 2018@200nits: 11.5 hr
  Local video (1080p) playback@150nits: 16.5 hr
• 2.8K OLED model:
  MobileMark 2018@200nits: 10 hr
  Local video (1080p) playback@150nits: 15 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® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
• 65W USB-C slim (2-pin, wall-mount) 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 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>2.2K (2240x1400)</td>
<td>Multi-touch</td>
<td>300 nits</td>
<td>Glossy</td>
<td>16:10</td>
<td>1500:1</td>
<td>100% sRGB</td>
<td>170°</td>
<td>Above 90% screen-to-body ratio, TÜV Low Blue Light, DC dimming, Dolby Vision™</td>
</tr>
<tr>
<td>14.0&quot;</td>
<td>2.8K (2880x1800)</td>
<td>Multi-touch</td>
<td>400 nits</td>
<td>Glossy</td>
<td>16:10</td>
<td>100000:1</td>
<td>100% DCI-P3</td>
<td>170°</td>
<td>Refresh rate 90Hz (MAX), above 90% screen-to-body ratio, VESA DisplayHDR™ True Black 500, TÜV Low Blue Light, Dolby Vision</td>
</tr>
</tbody>
</table>

Touchscreen

GF2 or OGM (On-glass Metal mesh) 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.carecycle.ca.gov/Electronics/Consumer
2. 90Hz adaptive refresh rate is available on select models only

Multi-mode

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

Input Device

Pen

- Lenovo E-color Pen with built-in rechargeable battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo E-Color Pen Overview
- 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), 75 x 120 mm (2.95 x 4.72 inches)

Mechanical

Dimensions (WxDxH)

316.66 x 220.25 x 17.35 mm (12.47 x 8.67 x 0.68 inches)

Weight

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2K IPS model</td>
<td>Around 1.45 kg (3.20 lbs)</td>
</tr>
</tbody>
</table>
Case Color
- Stone blue
- Storm grey

Surface Treatment
Aluminium CNC (anodized with sandblasting)

Case Material
Aluminium (top), aluminium (bottom)

Notes:
1. The system dimensions and weight vary depending on configurations.

CONNECTIVITY

Network
Onboard Ethernet
No Ethernet

WLAN + Bluetooth®
Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2, M.2 card

Notes:
1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation
2. Wi-Fi 6E full features might be limited by country-level restrictions.
   Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.
   6GHz Wi-Fi 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi 6E, and the regional regulatory certifications & spectrum allocation.

Ports

Standard Ports
- 1x USB 3.2 Gen 1 (Always On)
- 1x HDMI 2.0
- 1x microSD card reader
- 1x Headphone / microphone combo jack (3.5mm)
- 2x Thunderbolt 4 (support data transfer, Power Delivery 3.0, and DisplayPort™ 1.4)

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
• Self-healing BIOS

Other Security
• Camera privacy shutter
• IR camera for Windows Hello

SERVICE

Warranty
Base Warranty**(1)
• 1-year depot service
• 1-year depot with 2-year system board service (Korea only)
• 2-year (1-yr battery) depot service
• 3-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)

CERTIFICATIONS

Green Certifications
Green Certifications
• EPEAT™ Silver
• ENERGY STAR® 8.0
• ErP Lot 3
• RoHS compliant

Other Certifications
Other Certifications
• Intel Evo™ Platform
• TÜV Rheinland® Low Blue Light (Hardware Solution)

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

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