<table>
<thead>
<tr>
<th></th>
<th>Feature Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>NOVO button hole</td>
</tr>
<tr>
<td>2.</td>
<td>Card reader</td>
</tr>
<tr>
<td>3.</td>
<td>2x USB 3.2 Gen 1 (one Always On)</td>
</tr>
<tr>
<td>4.</td>
<td>USB-C 3.2 Gen 1 (data transfer / PD 3.0 only)</td>
</tr>
<tr>
<td>5.</td>
<td>HDMI</td>
</tr>
<tr>
<td>6.</td>
<td>USB-C 3.2 Gen 1</td>
</tr>
<tr>
<td>7.</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
</tbody>
</table>
PERFORMANCE

Processor

Processor Family
AMD Ryzen™ 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>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMD Ryzen 7 5800U</td>
<td>8</td>
<td>16</td>
<td>1.9GHz</td>
<td>4.4GHz</td>
<td>4MB L2 / 16MB L3</td>
<td>AMD Radeon™ Graphics</td>
</tr>
<tr>
<td>AMD Ryzen 5 5600U</td>
<td>6</td>
<td>12</td>
<td>2.3GHz</td>
<td>4.2GHz</td>
<td>3MB L2 / 16MB L3</td>
<td>AMD Radeon Graphics</td>
</tr>
</tbody>
</table>

Operating System

Operating System

- Windows® 11 Pro
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 10 Pro 64
- Windows 10 Home 64
- Windows 10 Home 64 Single Language
- No operating system

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

<table>
<thead>
<tr>
<th>Graphics Type</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>
<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 3 independent displays (native display and 2 external monitors via HDMI® and USB-C®)
- HDMI supports up to 4096x2160@24Hz
- USB-C supports up to 7680x4320@30Hz

Notes:
1. Recommend to use Lenovo® trusted/compatible cables & adapters to connect the external monitor(s). Please find them on the Lenovo SmartFind website based on the Machine Type (MT) number of your device. [Cables & Adapters on Lenovo SmartFind](#)

Chipset

Chipset

AMD 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
DDR4-3200

Storage
Storage Support

One drive, up to 512GB M.2 2242 SSD or 1TB M.2 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 3.0 x4</td>
<td>256GB / 512GB</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 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

Optical
None

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

Multi-Media

Audio Chip
High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers
Stereo speakers, 2W x2, optimized with Dolby® Atmos®

Microphone
Dual-microphone array with noise-cancelling

Camera
HD 720p + IR, fixed focus, with ToF sensor

Sensor

Sensors
• Hall sensor
• ToF sensor

Battery

Battery
Integrated Li-Polymer 56.5Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

Max Battery Life
MobileMark® 2018@200nits: 10 hr
Local video (1080p) playback@150nits: 15 hr

Notes:
1. Rapid Charge Boost is only effective in hibernates or fully shutting down the computer.
2. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, MobileMark 25, 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 depending 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</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 (L/R/U/D)</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>14”</td>
<td>2.2K (2240x1400)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-glare</td>
<td>16:10</td>
<td>1500:1</td>
<td>100% sRGB</td>
<td>85°/85°/85°/85°</td>
<td>TÜV Low Blue Light</td>
</tr>
<tr>
<td>14”</td>
<td>2.2K (2240x1400)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>300 nits</td>
<td>Glossy</td>
<td>16:10</td>
<td>1500:1</td>
<td>100% sRGB</td>
<td>85°/85°/85°/85°</td>
<td>TÜV Low Blue Light</td>
</tr>
<tr>
<td>14”</td>
<td>2.8K (2880x1800)</td>
<td>None</td>
<td>IPS</td>
<td>400 nits</td>
<td>Anti-glare</td>
<td>16:10</td>
<td>1500:1</td>
<td>100% sRGB</td>
<td>85°/85°/85°/85°</td>
<td>Refresh rate 90Hz (MAX), TÜV Low Blue Light</td>
</tr>
</tbody>
</table>

**touchscreen**
- OGM (One Glass Metal mesh) multi-touch, supports 10-point touch
- Non-touch

**Notes:**
1. California Electronic Waste Recycling Fee In California USA, 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, please go to https://www.calrecycle.ca.gov/Electronics/Consumer
2. IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.
3. 90Hz adaptive refresh rate is available on select models only

**Input Device**

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

**Keyboard Backlight**
- 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)

### Mechanical

**Dimensions (WxDxH)**
- 312.2 x 221 x 15.99 mm (12.29 x 8.7 x 0.63 inches)

**Weight**

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discrete graphics models</td>
<td>Starting at 1.41 kg (3.12 lbs)</td>
</tr>
<tr>
<td>Integrated graphics models</td>
<td>Starting at 1.38 kg (3.04 lbs)</td>
</tr>
</tbody>
</table>

**Case Color**
- Cloud grey
- Storm grey

**Surface Treatment**
- Aluminium stamping (anodized)

**Case Material**
- Aluminium (top), aluminium (bottom)

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

Ethernet
No onboard Ethernet

WLAN + Bluetooth® *(1)(2)
- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.1, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card

Notes:
1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.
2. Wi-Fi 6 full features might be limited by country-level restrictions.

Ports*(1)

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 USB-C 3.2 Gen 1 (support data transfer and Power Delivery 3.0)
- 1x HDMI 1.4b
- 1x Card reader
- 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; USB4® 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s; USB4 40Gbps (USB 40Gbps): 40 Gbit/s; Thunderbolt™ 3/4: 40 Gbit/s

SECURITY & PRIVACY

Security

Security Chip
Firmware TPM 2.0 integrated in SoC

Fingerprint Reader
No fingerprint reader

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

Other Security
IR camera for Windows Hello

SERVICE

Warranty*(1)

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
- 3-year (1-yr battery) courier or carry-in service
Notes:

1. The warranty upgrades may be bundled with some models, please check the “Included upgrade” column in the specific model’s configurations. For more service extensions, please go to https://smartfind.lenovo.com/. To learn more details 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: 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

Green Certifications

• ENERGY STAR® 8.0
• ErP Lot 3
• RoHS compliant

Notes:

1. The items listed under the “Green Certifications” section may not only refer to certification but also registration or self-declaration.

Other Certifications

Other Certifications

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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