# OVERVIEW

<table>
<thead>
<tr>
<th>Number</th>
<th>Port/Connector Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E-camera shutter switch</td>
</tr>
<tr>
<td>2</td>
<td>USB 3.2 Gen 1</td>
</tr>
<tr>
<td>3</td>
<td>Ethernet (RJ-45)</td>
</tr>
<tr>
<td>4</td>
<td>USB-C 3.2 Gen 2</td>
</tr>
<tr>
<td>5</td>
<td>2x USB 3.2 Gen 1</td>
</tr>
<tr>
<td>6</td>
<td>HDMI 2.1</td>
</tr>
<tr>
<td>7</td>
<td>USB 3.2 Gen 1 (Always On)</td>
</tr>
<tr>
<td>8</td>
<td>Power connector</td>
</tr>
<tr>
<td>9</td>
<td>USB-C 3.2 Gen 2 (data transfer / DP 1.4 only)</td>
</tr>
<tr>
<td>10</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
</tbody>
</table>
**PERFORMANCE**

**Processor**

**Processor Family**
AMD Ryzen™ 5 / 7 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>AMD Ryzen 5 5600H</td>
<td>6</td>
<td>12</td>
<td>3.3GHz</td>
<td>4.2GHz</td>
<td>3MB L2 / 16MB L3</td>
<td>DDR4-3200</td>
<td>AMD Radeon™ Graphics</td>
</tr>
<tr>
<td>AMD Ryzen 7 5800H</td>
<td>8</td>
<td>16</td>
<td>3.2GHz</td>
<td>4.4GHz</td>
<td>4MB L2 / 16MB 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 11 Pro 64
- Windows 11 Home 64
- No operating system

**Graphics**

**Graphics**

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMD Radeon RX 6600M</td>
<td>Discrete</td>
<td>8GB GDDR6</td>
<td>DirectX® 12</td>
</tr>
</tbody>
</table>

**Monitor Support**

**Monitor Support**
Supports up to 4 independent displays via native display and 3 external monitors; supports external monitors via HDMI® (up to 4096x2160@60Hz) or USB-C (up to 5120x3200@60Hz)

**Chipset**

**Chipset**
AMD SoC (System on Chip) platform

**Memory**

**Max Memory**
Up to 32GB DDR4-3200 offering

**Memory Slots**
Two DDR4 SO-DIMM slots, dual-channel capable

**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**
Up to two drives, 2x M.2 SSD
- M.2 2242 SSD up to 512GB
- M.2 2280 SSD up to 1TB

**Storage Slot**
Two M.2 slots
• Two M.2 2280 PCIe Gen 3x4 slots, support M.2 2242/2280 SSD

<table>
<thead>
<tr>
<th>Storage Type***</th>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Offering</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>512GB</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>512GB / 1TB</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, Realtek® ALC3306 codec

Speakers
Stereo speakers, 2W x2, Nahimic Audio

Microphone
Dual array microphone

Camera
720p, with E-camera shutter, fixed focus

Battery

Battery**
- Integrated Li-Polymer 60Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)
- Integrated Li-Polymer 80Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)

Max Battery Life*(i)
- MobileMark® 2018: 10.4 hr (80Wh)
- MobileMark 2018: 7.85 hr (60Wh)

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**
- 230W slim tip (3-pin) AC adapter
- 300W slim tip (3-pin) AC adapter

DESIGN

Display

<table>
<thead>
<tr>
<th>Display**(i)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
</tr>
<tr>
<td>15.6”</td>
</tr>
<tr>
<td>15.6”</td>
</tr>
</tbody>
</table>
**Lenovo Legion 5 15ACH6A**

- **15.6” FHD (1920x1080)**
- None
- IPS
- 300 nits
- Anti-glare
- 16:9
- 1200:1
- 100% sRGB
- 170°
- Refresh rate 60Hz, Free-Sync, DC dimmer

**Touchscreen**

Non-touch

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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**

**Keyboard**

- Phantom blue model: 6-row, multimedia Fn keys, numeric keypad, black keycap
- Stingray model: 6-row, multimedia Fn keys, numeric keypad, moon white keycap

**Keyboard Backlight**

- White backlight
- Blue backlight

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad

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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>362.56 x 260.61 x 22.5-25.75 mm (14.27 x 10.26 x 0.89-1.01 inches)</td>
</tr>
</tbody>
</table>

**Weight**

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>2.4 kg (5.3 lbs)</td>
</tr>
</tbody>
</table>

**Case Color**

- Phantom blue (top), shadow black (bottom)
- Stingray (top), dove grey (bottom)

**Case Material**

PC + ABS (top), PC + ABS (bottom)

**System Lighting**

No system lighting

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**Notes:**

1. The system weight varies depending on configurations

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**CONNECTIVITY**

**Network**

**Onboard Ethernet**

Gigabit Ethernet, Realtek RTL8111H

**WLAN + Bluetooth®**

Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card

**Ports**

**Standard Ports**

- 3x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
1x USB-C 3.2 Gen 2 (support data transfer and DisplayPort™ 1.4)
1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery and DisplayPort 1.4)
1x HDMI 2.1
1x Ethernet (RJ-45)
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

SECURITY & PRIVACY

Security

Security Chip
Firmware TPM 2.0 integrated in chipset

Fingerprint Reader
No fingerprint reader

BIOS Security
- Supervisor password
- Power-on password
- Hard disk password

Other Security
E-Camera shutter

SERVICE

Warranty

Base Warranty**
- 1-year depot service
- 2-year (1-yr battery) depot service

ENVIRONMENTAL

Operating Environment

Temperature[^1]
- 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)
ACCESSORIES

Bundled Accessories

- Lenovo Legion™ M300 RGB Gaming Mouse (USB connector)
- None

CERTIFICATIONS

Green Certifications

- ErP Lot 3
- RoHS compliant

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- *** One or more offerings of the feature are configured.