**OVERVIEW**

1. E-camera shutter switch
2. USB 3.2 Gen 1
3. Ethernet (RJ-45)
4. USB-C 3.2 Gen 2
5. 2x USB 3.2 Gen 1
6. HDMI 2.1
7. USB 3.2 Gen 1 (Always On)
8. Power connector
9. USB-C 3.2 Gen 2 (data transfer / DP 1.4 only)
10. Headphone / microphone combo jack (3.5mm)
**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>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® 11 Pro 64
- Windows 11 Home 64
- Windows 10 Pro 64
- Windows 10 Home 64
- No operating system

**Graphics**

**Graphics**

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Boost Clock</th>
<th>TGP</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>NVIDIA® GeForce® GTX 1650</td>
<td>Discrete</td>
<td>4GB GDDR6</td>
<td>-</td>
<td>-</td>
<td>DirectX® 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX™ 3050 Laptop GPU</td>
<td>Discrete</td>
<td>4GB GDDR6</td>
<td>1500 MHz / 1740 MHz</td>
<td>95W</td>
<td>Advanced Optimus, Resizable BAR, Dynamic Boost 2.0, DirectX 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 3050 Ti Laptop GPU</td>
<td>Discrete</td>
<td>4GB GDDR6</td>
<td>1485 MHz / 1695 MHz</td>
<td>95W</td>
<td>Advanced Optimus, Resizable BAR, Dynamic Boost 2.0, DirectX 12</td>
</tr>
</tbody>
</table>

**Monitor Support**

**Monitor Support**
- 3050 / 3050Ti model: supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C)
- HDMI supports up to 7680x4320@60Hz
- USB-C supports up to 5120x3200@60Hz
- 1650 model: supports up to 4 independent displays (native display and 3 external monitors via HDMI and USB-C)
- HDMI supports up to 3840x2160@60Hz
- USB-C supports up to 5120x3200@60Hz

**Chipset**

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

**Memory**

**Max Memory**(1)
Up to 16GB DDR4-3200 offering

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

**Memory Type**
DDR4-3200

Notes:
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 Type

<table>
<thead>
<tr>
<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>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</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**
- MobileMark® 2018: 7.15 hr (60Wh)
- MobileMark 2018: 9.29 hr (80Wh)

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, 100-240V, 50-60Hz

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>
</table>

[1] Lenovo Legion 5 15ACH6 - February 10 2022
### Lenovo Legion 5 15ACH6

#### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Display Type</th>
<th>Antiglare</th>
<th>Brightness</th>
<th>Aspect Ratio</th>
<th>Refresh Rate</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.6&quot; FHD  (1920x1080)</td>
<td>None</td>
<td>IPS</td>
<td>250 nits</td>
<td>16:9</td>
<td>800:1</td>
<td>45% NTSC</td>
</tr>
<tr>
<td>15.6&quot; FHD  (1920x1080)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>16:9</td>
<td>1000:1</td>
<td>100% sRGB</td>
</tr>
<tr>
<td>15.6&quot; FHD  (1920x1080)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>16:9</td>
<td>1200:1</td>
<td>100% sRGB</td>
</tr>
<tr>
<td>15.6&quot; WQHD  (2560x1440)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>16:9</td>
<td>1000:1</td>
<td>100% sRGB</td>
</tr>
</tbody>
</table>

**** Touchscreen ****

Non-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](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**
- Blue backlight
- White backlight
- 4-Zone RGB backlight

**Touchpad**
Buttonless Mylar® surface multi-touch touchpad, 69 x 104 mm (2.72 x 4.09 inches)

#### 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)

**Surface Treatment**
- Painting

**Case Material**
- PC + ABS (top), PC + ABS (bottom)

**System Lighting**
- No system lighting

Notes:
1. The system weight varies depending on configurations.

#### CONNECTIVITY
Network
Onboard Ethernet
Gigabit Ethernet, 1x RJ-45
WLAN + Bluetooth®
• 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

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
• Power-on password
• Supervisor password
• Hard disk password
Other Security
E-Camera shutter

SERVICE

Warranty
Base Warranty**[1]
• 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

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: 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

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

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