<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>USB 3.2 Gen 1</td>
</tr>
<tr>
<td>2.</td>
<td>E-camera shutter switch</td>
</tr>
<tr>
<td>3.</td>
<td>Ethernet (RJ-45)</td>
</tr>
<tr>
<td>4.</td>
<td>Thunderbolt 4</td>
</tr>
<tr>
<td>5.</td>
<td>3x USB 3.2 Gen 1 (one Always On)</td>
</tr>
<tr>
<td>6.</td>
<td>HDMI 2.1</td>
</tr>
<tr>
<td>7.</td>
<td>Power connector</td>
</tr>
<tr>
<td>8.</td>
<td>Thunderbolt 4</td>
</tr>
<tr>
<td>9.</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
</tbody>
</table>
**PERFORMANCE**

**Processor**

**Processor Family**

11th Generation Intel® Core™ 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 i7-11800H</td>
<td>8</td>
<td>16</td>
<td>2.3GHz</td>
<td>4.6GHz</td>
<td>24MB</td>
<td>DDR4-3200</td>
<td>Intel UHD 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 RTX™ 3060 Laptop GPU</td>
<td>Discrete</td>
<td>6GB GDDR6</td>
<td>1425 MHz / 1702 MHz</td>
<td>130W</td>
<td>Advanced Optimus, Resizable BAR, Dynamic Boost 2.0, VR ready, DirectX® 12 Ultimate</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 3070 Laptop GPU</td>
<td>Discrete</td>
<td>8GB GDDR6</td>
<td>1560 MHz / 1620 MHz</td>
<td>140W</td>
<td>Advanced Optimus, Resizable BAR, Dynamic Boost 2.0, VR ready, DirectX 12 Ultimate</td>
</tr>
</tbody>
</table>

**Monitor Support**

**Monitor Support**

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 5120x2880@60Hz

**Chipset**

**Chipset**

Intel HM570 chipset

**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
• One M.2 2280 PCIe® Gen 3x4 slot, supports M.2 2242/2280 SSD
• One M.2 2280 PCIe Gen 4x4 slot, supports 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></td>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 4.0 x4</td>
<td>-</td>
<td>-</td>
<td>-</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**
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**
HD 720p, with E-camera shutter, fixed focus

**Battery**

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

**Max Battery Life***
MobileMark® 2018: 7.3 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***
• 230W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
• 300W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

Notes:
1. AC adapter offerings depend on the country.

**DESIGN**

**Display**

<table>
<thead>
<tr>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
</tr>
</tbody>
</table>

Lenovo Legion 5 Pro 16ITH6H - December 22 2021
### Lenovo Legion 5 Pro 16ITH6H

<table>
<thead>
<tr>
<th>Ratio</th>
<th>Ratio</th>
<th>Gamut</th>
<th>Angle</th>
<th>Refresh rate 165Hz, Dolby® Vision™, DisplayHDR™ 400, G-Sync, DC dimmer</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:10</td>
<td>1200:1</td>
<td>100% sRGB</td>
<td>178°</td>
<td></td>
</tr>
</tbody>
</table>

#### Color Calibration

X-Rite® Pantone® factory color calibration

#### 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.calrecycle.ca.gov/Electronics/Consumer

#### Input Device

**Keyboard**

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

**Keyboard Backlight**

- Blue backlight
- White backlight
- 4-Zone RGB backlight

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad

#### Mechanical

**Dimensions (WxDxH)**

356 x 260.2-264.2 x 21.7-26.15 mm (14.02 x 10.24-10.40 x 0.85-1.03 inches)

**Weight**

Starting at 2.3 kg (5.07 lbs)

**Case Color**

- Stingray (top), dove grey (bottom)
- Storm grey (top), black (bottom)

**Surface Treatment**

- Anodize electrophoresis deposition
- Anodizing

**Case Material**

Aluminium (top), aluminium (bottom)

**System Lighting**

- “Y” logo with blue lighting on top cover (Stingray model)
- “Y” logo with white lighting on top cover (Storm Grey model)

#### Notes:

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

### CONNECTIVITY

**Network**

**Onboard Ethernet**

Gigabit Ethernet, 1x RJ-45

**WLAN + Bluetooth®**

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 limitation.
2. Wi-Fi 6 full features might be limited by country-level restrictions.

Ports[1]

Standard Ports
- 3x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer and DisplayPort™ 1.4)
- 1x Thunderbolt 4 / USB4 40Gbps (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 3/4: 40 Gbit/s

SECURITY & PRIVACY

Security
Security Chip
Firmware TPM 2.0 integrated in SoC
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 (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[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).

CERTIFICATIONS

Green Certifications
Green Certifications
• ErP Lot 3
• RoHS compliant

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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