### OVERVIEW

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
<tr>
<td>2.</td>
<td>USB-C 3.2 Gen 1 (data transfer / DP 1.4 only)</td>
</tr>
<tr>
<td>3.</td>
<td>USB-C 3.2 Gen 2 / Thunderbolt 3</td>
</tr>
<tr>
<td>4.</td>
<td>USB 3.2 Gen 1 (Always On)</td>
</tr>
<tr>
<td>5.</td>
<td>HDMI 2.0</td>
</tr>
<tr>
<td>6.</td>
<td>USB 3.2 Gen 2</td>
</tr>
<tr>
<td>7.</td>
<td>Ethernet (RJ-45)</td>
</tr>
<tr>
<td>8.</td>
<td>USB 3.2 Gen 2</td>
</tr>
<tr>
<td>9.</td>
<td>Power connector</td>
</tr>
<tr>
<td>10.</td>
<td>Kensington Security Slot</td>
</tr>
</tbody>
</table>
PERFORMANCE

Processor

Processor Family
10th Generation Intel® Core™ i5 / i7 / i9 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 i5-10300H</td>
<td>4</td>
<td>8</td>
<td>2.5GHz</td>
<td>4.5GHz</td>
<td>8MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>Core i7-10750H</td>
<td>6</td>
<td>12</td>
<td>2.6GHz</td>
<td>5.0GHz</td>
<td>12MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>Core i7-10875H</td>
<td>8</td>
<td>16</td>
<td>2.3GHz</td>
<td>5.1GHz</td>
<td>16MB</td>
<td>DDR4-3200</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>Core i9-10980HK</td>
<td>8</td>
<td>16</td>
<td>2.4GHz</td>
<td>5.3GHz</td>
<td>16MB</td>
<td>DDR4-3200</td>
<td>Intel UHD Graphics</td>
</tr>
</tbody>
</table>

Operating System

Operating System
- Windows® 10 Pro 64
- Windows 10 Home 64
- FreeDOS
- No operating system

Graphics

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>NVIDIA GeForce GTX 1660 Ti</td>
<td>Discrete</td>
<td>6GB GDDR6</td>
<td>VR ready, DirectX® 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX™ 2060</td>
<td>Discrete</td>
<td>6GB GDDR6</td>
<td>VR ready, DirectX 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 2070 with Max-Q Design</td>
<td>Discrete</td>
<td>8GB GDDR6</td>
<td>VR ready, DirectX 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 2070 SUPER with Max-Q Design</td>
<td>Discrete</td>
<td>8GB GDDR6</td>
<td>VR ready, DirectX 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 2080 SUPER with Max-Q Design</td>
<td>Discrete</td>
<td>8GB GDDR6</td>
<td>VR ready, 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 4096x2304@60Hz
- USB-C supports up to 4096x2304@60Hz

Chipset

Chipset
Intel HM470 chipset

Memory

Max Memory
- Up to 32GB DDR4-2933 offering
- Up to 32GB DDR4-3200 offering

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

Memory Type
- DDR4-2933
- 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.
2. Installed memory is actually 3200MHz but may run at 2933MHz due to processor limitation
Storage

Storage Support
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 1TB

Storage Type

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe® NVMe®, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

RAID
• RAID 0 support
• No support

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, Dolby® Atmos® for gaming

Microphone
Dual array microphone

Camera
720p, with privacy 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

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>
<tbody>
<tr>
<td>15.6” (1920x1080)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>-</td>
<td>-</td>
<td>100% sRGB</td>
<td>-</td>
<td>Refresh rate 144Hz, DC dimmer, Dolby Vision™</td>
</tr>
</tbody>
</table>
Lenovo Legion 7 15IMH05

| 15.6” FHD (1920x1080) | None | IPS | 500 nits | Anti-glare | 16:9 | - | 100% Adobe® RGB | - |
|---|---|---|---|---|---|---|---|
| Refresh rate 144Hz, Dolby Vision, DisplayHDR™ 400, G-Sync, DC dimmer |

| 15.6” FHD (1920x1080) | None | IPS | 500 nits | Anti-glare | 16:9 | - | 100% sRGB | - |
|---|---|---|---|---|---|---|---|
| Refresh rate 240Hz, Dolby Vision, HDR 400, G-Sync, DC dimmer |

**Color Calibration**
X-Rite® Pantone® factory color calibration

**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.calrecycle.ca.gov/Electronics/Consumer

**Input Device**

**Keyboard**
6-row, spill-resistant, multimedia Fn keys, numeric keypad, CORSAIR iCUE

**Keyboard Backlight**
RGB 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)**

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>359.34 x 259.04 x 19.9 mm (14.15 x 10.20 x 0.78 inches)</td>
</tr>
</tbody>
</table>

**Weight**

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>2.25 kg (4.96 lbs)</td>
</tr>
</tbody>
</table>

**Case Color**
Slate grey (top), black (bottom)

**Surface Treatment**
Anodizing sandblasting

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

**System Lighting**
“Y” logo RGB lighting on top cover
RGB lighting on power button
“U” strip RGB lighting
RGB lighting on rear thermal vent

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

**CONNECTIVITY**

**Network**

**Onboard Ethernet**
Gigabit Ethernet

**WLAN + Bluetooth®**
Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card

**Ports**

**Standard Ports**
- 1x USB 3.2 Gen 1 (Always On)
- 2x USB 3.2 Gen 2
- 1x USB-C 3.2 Gen 1 (support data transfer and DisplayPort™ 1.4)
- 1x USB-C 3.2 Gen 2 / Thunderbolt™ 3 (support data transfer and DisplayPort 1.4)
- 1x HDMI 2.0
- 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

**Physical Locks**
Kensington® Security Slot

**Fingerprint Reader**
No fingerprint reader

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

**Other Security**
Camera privacy shutter

**SERVICE**

**Warranty**

**Base Warranty**
- 1-year depot service
- 1-year depot with 2-year system board service
- 2-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).

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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