**Lenovo Legion 7 15IMH05 Platform Specifications**

**Processor**

<table>
<thead>
<tr>
<th>Processor Number</th>
<th># of Cores</th>
<th># of Threads</th>
<th>Base Frequency</th>
<th>Max Turbo Frequency</th>
<th>Cache</th>
<th>Memory Types</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>i5-10300H</td>
<td>4</td>
<td>8</td>
<td>2.5 GHz</td>
<td>4.5 GHz</td>
<td>8MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>i7-10750H</td>
<td>6</td>
<td>12</td>
<td>2.6 GHz</td>
<td>5.0 GHz</td>
<td>12MB</td>
<td>DDR4-3200</td>
<td></td>
</tr>
<tr>
<td>i7-10870H</td>
<td>8</td>
<td>16</td>
<td>2.2 GHz</td>
<td>5.1 GHz</td>
<td>16MB</td>
<td>DDR4-3200</td>
<td></td>
</tr>
<tr>
<td>i9-10980HK</td>
<td>8</td>
<td>16</td>
<td>2.3 GHz</td>
<td>5.3 GHz</td>
<td>24GB</td>
<td>DDR4-3200</td>
<td></td>
</tr>
</tbody>
</table>

**Graphics**

- **Integrated Graphics**
  - Intel UHD Graphics
  - NVIDIA GeForce GTX 1660 Ti (6GB GDDR6 memory), VR ready
  - NVIDIA GeForce RTX 2060 (6GB GDDR6 memory), VR ready
  - NVIDIA GeForce RTX 2070 Max-Q (8GB GDDR6 memory), VR ready
  - NVIDIA GeForce RTX 2070 Super Max-Q (8GB GDDR6 memory), VR ready
  - NVIDIA GeForce RTX 2080 Super Max-Q (8GB GDDR6 memory), VR ready

- **Discrete Graphics (Memory)**
  - NVIDIA GeForce GTX 1660 Ti (6GB GDDR6 memory), VR ready
  - NVIDIA GeForce RTX 2060 (6GB GDDR6 memory), VR ready
  - NVIDIA GeForce RTX 2070 Max-Q (8GB GDDR6 memory), VR ready
  - NVIDIA GeForce RTX 2070 Super Max-Q (8GB GDDR6 memory), VR ready
  - NVIDIA GeForce RTX 2080 Super Max-Q (8GB GDDR6 memory), VR ready

- Supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (HDMI); 4096x2304@60Hz (USB Type-C)

**Chipset**

- Intel HM470 Chipset

**Memory**

- 32GB max offering / 3200MHz DDR4, dual-channel capable, 8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket

**Display**

- One of the following, configurable by model:
  - 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 144Hz
  - 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 500 nits, 16:9 aspect ratio, 100% Adobe RGB gamut, refresh rate 144Hz, DisplayHDR400, G-Sync, Dolby Vision®
  - 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 500 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 240Hz, DisplayHDR400, G-Sync, Dolby Vision®

**Multi-touch**

- None

**Storage**

- Up to 2 drives: M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4

**RAID (optional)**

- RAID 0 support: None

**Ethernet**

- Gigabit Ethernet connection

**WLAN**

- 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card

**Bluetooth**

- Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

**Network**

- WiFi 6: 802.11ax, 2x2 WiFi, Bluetooth 5.0 (optional)

**Audio**

- HD Audio, Realtek ALC3306 codec

**Camera**

- 720p HD, 1.0MP resolution, privacy shutter, fixed focus

**Touchpad**

- 6-row, spill-resistant, multimedia Fn keys, numeric keypad, anti-ghost, RGB LED backlight with CORSAIR® iCUE

**Keyboard**

- Buttonless Mylar surface multi-touch touchpad

**Security**

- Power-on password, hard-disk password, supervisor password, security keyhole

**Battery**

- Integrated Li-Polymer 80Wh battery, supports Rapid Charge Pro (30 minutes 50%)

**AC adapter**

- 230W slim tip AC adapter

**Preload (optional)**

- Preloaded operating system
  - Windows® 10 Home 64
  - Windows 10 Pro 64
  - Preloaded applications (only some listed)
  - Microsoft Office Trial (with 30-day license)
  - Microsoft Office Home and Business 2019
  - Microsoft Office Home and Student 2019
  - Microsoft 365 Family
  - Microsoft 365 Personal
  - Microsoft Office Professional 2019
  - Microsoft Office Personal 2019

**Limited warranty**

- One of the following, configurable by model:
  - 1-year depot repair service
  - 1-year depot repair with 2-year system board repair service
  - 2-year/1-yr battery depot repair service

**Environment**

- ErP lot3; RoHS-compliant

**Dimensions**

- WxDxH: 14.15" x 10.20" x 0.78"; 359.34mm x 259.04mm x 19.9mm

**Weight**

- Starting at 4.96 lb / 2.25 kg

**Case color**

- Slate grey

**Case material**

- Display cover: Aluminum
  - Bottom: Aluminum

**Lighting**

- "Y" Logo RGB lighting on display cover
  - RGB lighting on power button
  - "U" Strip RGB lighting
  - RGB lighting on rear thermal vent

**Media reader**

- None

**Ports**

- One USB 3.2 Gen 1 (Always On), two USB 3.2 Gen 2, one USB 3.2 Type-C Gen 1 (with the function of DisplayPort 1.4), one USB 3.2 Type-C Gen 2 / Thunderbolt 3 (with the function of DP 1.4), HDMI 2.0, Ethernet (RJ-45), headphone / microphone combo jack, security keyhole, AC power adapter jack
  - Depending on many factors, actual data transfer speed may be lower than theoretical speed

**Camera**

- HD Audio, Realtek ALC3306 codec / Dolby Atmos® speaker system for gaming certification, stereo speakers, 2W x 2, dual array microphone, headphone / microphone combo jack

**Audio support**

- 720p HD, 1.0MP resolution, privacy shutter, fixed focus

**Touchpad**

- HD Audio, Realtek ALC3306 codec / Dolby Atmos® speaker system for gaming certification, stereo speakers, 2W x 2, dual array microphone, headphone / microphone combo jack

**Battery**

- Integrated Li-Polymer 80Wh battery, supports Rapid Charge Pro (30 minutes 50%)

**AC adapter**

- 230W slim tip AC adapter

**Preload (optional)**

- Preloaded operating system
  - Windows® 10 Home 64
  - Windows 10 Pro 64
  - Preloaded applications (only some listed)
  - Microsoft Office Trial (with 30-day license)
  - Microsoft Office Home and Business 2019
  - Microsoft Office Home and Student 2019
  - Microsoft 365 Family
  - Microsoft 365 Personal
  - Microsoft Office Professional 2019
  - Microsoft Office Personal 2019

**Limited warranty**

- One of the following, configurable by model:
  - 1-year depot repair service
  - 1-year depot repair with 2-year system board repair service
  - 2-year/1-yr battery depot repair service

**Environment**

- ErP lot3; RoHS-compliant

Note: The specifications above may not be available in all regions and might change by regions.

Lenovo
October 2020