## Lenovo Legion Y540-15IRH 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>9th Generation Core™ i5 / i7 Processor</td>
<td>4 / 8</td>
<td>8 / 12</td>
<td>2.4 GHz / 2.6 GHz</td>
<td>4.1 GHz / 4.5 GHz</td>
<td>8MB / 12MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630 / Intel UHD Graphics 630</td>
</tr>
</tbody>
</table>

### Graphics

<table>
<thead>
<tr>
<th>Integrated Graphics</th>
<th>Discrete Graphics (Memory)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NVIDIA® GeForce® GTX 1660 Ti (6GB GDDR6 memory), VR ready</td>
<td>-</td>
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</tr>
</tbody>
</table>

- Supports external digital monitor via HDMI, MiniDP or USB Type-C;
- Supports three independent displays;
- Max resolution: 3840x2160@60Hz (HDMI); 7680x4320@60Hz (MiniDP 1.4);
- 3840x2160@60Hz (USB Type-C)

### Chipset

- Mobile Intel HM370 Chipset
- 32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets

### Display

- 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 60Hz
- 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, refresh rate 60Hz
- 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, refresh rate 144Hz

### Storage

- Up to 2 drives (one HDD and one M.2 SSD):
  - HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high
  - M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s
  - M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
  - Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4

### Optane Memory

- Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2

### Ethernet

- Gigabit Ethernet connection

### WLAN

- One of the following, configurable by model:
  - 802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card
  - 802.11ac 2x2 Wi-Fi + Bluetooth 4.2, M.2 Card

### Bluetooth

- Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter

### Media reader

- None

### Ports

- One USB 3.1 Gen 1 (Always On), two USB 3.1 Gen 1, one USB 3.1 Type-C Gen 1 / (with the function of DisplayPort 1.2), HDMI 2.0, Ethernet (RJ-45), Mini DisplayPort 1.4, headphone / microphone combo jack, security keyhole, AC power adapter jack

### Security

- Power-on password, hard disk password, administrator password, security keyhole, Firmware TPM 2.0 integrated in chipset

### Battery

- Integrated Li-Polymer 57Wh battery
- Max battery life (MobileMark® 2014)
- Models: UHD Graphics, GTX 1660 Ti, RTX 2060
- Preload (opt): Preloaded operating system
- AC adapter: 230W slim tip AC adapter
- Limited warranty: One of the following, configurable by model:
  - 1-year depot repair service
  - 2-year/1-yr battery depot repair service

**Note:** The specifications above may not be available in all regions.