

# Lenovo Legion Y740-15IRHg Platform Specifications

Product Specifications Reference (PSREF)

Processor	<p>9th Generation Intel® Core™ i7 Processor</p> <table border="1"> <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>i7-9750H</td> <td>6</td> <td>12</td> <td>2.6 GHz</td> <td>4.5 GHz</td> <td>12MB</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i7-9750H	6	12	2.6 GHz	4.5 GHz	12MB	DDR4-2666	Intel UHD Graphics 630	<p>Media reader Ports</p> <p>None</p> <p>Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Gen 2, one USB 3.1 Type-C Gen 2 / Thunderbolt™ 3 (with the function of DisplayPort 1.4), HDMI 2.0, Mini DisplayPort 1.4a, Ethernet (RJ-45), headphone / microphone combo jack, security keyhole, AC power adapter jack</p> <p><i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i></p>
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics											
i7-9750H	6	12	2.6 GHz	4.5 GHz	12MB	DDR4-2666	Intel UHD Graphics 630											
Graphics	<table border="1"> <thead> <tr> <th>Integrated Graphics</th> <th>Discrete Graphics (Memory)</th> </tr> </thead> <tbody> <tr> <td>Intel UHD Graphics 630</td> <td>NVIDIA® GeForce® RTX™ 2060 (6GB GDDR6 memory), VR ready</td> </tr> <tr> <td></td> <td>NVIDIA GeForce RTX 2070 with Max-Q Design (8GB GDDR6 memory), VR ready</td> </tr> <tr> <td></td> <td>NVIDIA GeForce RTX 2080 with Max-Q Design (8GB GDDR6 memory), VR ready</td> </tr> </tbody> </table> <p>supports external digital monitor via HDMI, Mini DP or USB Type-C; supports three independent displays; Max resolution: 4096x2160@60Hz (HDMI); 7680x4320@60Hz (Mini DP 1.4a); 7680x4320@60Hz (USB Type-C)</p>	Integrated Graphics	Discrete Graphics (Memory)	Intel UHD Graphics 630	NVIDIA® GeForce® RTX™ 2060 (6GB GDDR6 memory), VR ready		NVIDIA GeForce RTX 2070 with Max-Q Design (8GB GDDR6 memory), VR ready		NVIDIA GeForce RTX 2080 with Max-Q Design (8GB GDDR6 memory), VR ready	<p>Camera</p> <p>720p HD, 1.0MP resolution, fixed focus, with dual array microphone</p> <p>Audio support</p> <p>HD Audio, Realtek ALC3286 codec / Dolby Atmos® speakers system for gaming certification, stereo speakers, 2W x 2, dual array microphone, headphone / microphone combo jack</p> <p>Keyboard</p> <p>6-row, multimedia Fn keys, RGB LED backlight with CORSAIR® iCUE, support anti-ghost</p> <p>Touchpad</p> <p>2-button Mylar surface multi-touch touchpad</p> <p>Security</p> <p>Power-on password, hard-disk password, supervisor password, security keyhole</p> <p>Security chip</p> <p>Firmware TPM 2.0 integrated in chipset</p> <p>Fingerprint reader</p> <p>None</p>								
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Chipset	Mobile Intel HM370 Chipset	Battery																
Memory	32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets	<p>Integrated Li-Polymer 57Wh battery</p> <p>Max battery life</p> <p>MobileMark® 2014: 5 hr</p> <p><i>* Battery life varies significantly with hardware configurations, settings, usage, &amp; other factors</i></p>																
Display	<p>One of the following, configurable by model:</p> <ul style="list-style-type: none"> <li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 300 nits, 16:9 aspect ratio, 72% gamut, refresh rate 144Hz, G-Sync®, Dolby® Vision</li> <li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 500 nits, 16:9 aspect ratio, 72% gamut, refresh rate 144Hz, G-Sync, VESA HDR400 display, Dolby Vision</li> </ul>	<p>AC adapter</p> <p>230W slim tip AC adapter</p> <p>Preload (opt)</p> <p>Preloaded operating system</p> <ul style="list-style-type: none"> <li>Windows® 10 Home 64</li> <li>Windows 10 Pro 64</li> </ul> <p>Preloaded applications (only some listed)</p> <ul style="list-style-type: none"> <li>Microsoft Office Trial (with 30-day license)</li> <li>Microsoft Office 365 Home</li> <li>Microsoft Office 365 Personal</li> <li>Microsoft Office Home and Business 2019</li> <li>Microsoft Office Home and Student 2019</li> <li>Microsoft Office Professional 2019</li> </ul>																
Multi-touch	None	<p>Limited warranty</p> <p>One of the following, configurable by model:</p> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>2-year/1-yr battery depot repair service</li> </ul>																
Storage	<p>Up to 2 drives (one HDD and one M.2 SSD):</p> <ul style="list-style-type: none"> <li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, 7200rpm</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s</li> </ul>	<p>Environment</p> <p>ErP lot3; RoHS-compliant</p>																
Optane Memory	Optional 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2																	
Optical	None																	
Ethernet	Gigabit Ethernet connection																	
WLAN	Killer™ Wireless-AC 1550i, Wi-Fi 2x2 802.11ac + BT5.0, M.2 Card																	
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																	
Dimensions	WxDxH: 14.21" x 10.43" x 0.79-0.94"; 361mm x 265mm x 19.95-23.85mm																	
Weight	4.8 lb / 2.2 kg																	
Case color	Iron grey																	
Case material	Aluminium																	
Lighting	<ul style="list-style-type: none"> <li>"Y" Logo RGB lighting on display cover</li> <li>Strip RGB lighting on thermal vent</li> <li>RGB spot lighting on left and right</li> </ul>																	

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

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