

# Lenovo Legion Y540-15IRH Platform Specifications

Product Specifications Reference (PSREF)

Processor	9th Generation Intel® Core™ i5 / i7 Processor								Dimensions	<i>WxDxH:</i> 14.17" x 10.51" x 0.95-1.02"; 360mm x 267mm x 24.2-25.9mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Approx 5.07 lb / 2.3 kg
	i5-9300H	4	8	2.4 GHz	4.1 GHz	8MB	DDR4-2666	Intel UHD Graphics 630	Case color	Black
i7-9750H	6	12	2.6 GHz	4.5 GHz	12MB	Case material			PC/ABS plastic	Lighting
Graphics	Integrated Graphics		Discrete Graphics (Memory)						Media reader	None
	Intel UHD Graphics 630		NVIDIA® GeForce® GTX 1660 Ti (6GB GDDR6 memory), VR ready NVIDIA GeForce RTX™ 2060 (6GB GDDR6 memory), VR ready						Ports	One USB 3.1 Gen 1 (one 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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
	supports external digital monitor via HDMI, Mini DP or USB Type-C; supports three independent displays; Max resolution: 3840x2160@60Hz (HDMI); 7680x4320@60Hz (Mini DP 1.4); 3840x2160@60Hz (USB Type-C)								Camera	720p HD, 1.0MP resolution, fixed focus, with dual array microphone
Chipset	Mobile Intel HM370 Chipset								Audio support	HD Audio, Realtek ALC3287 codec / Dolby Atmos® for Gaming PC, Harman® stereo speakers with chamber, 2W x 2, dual array microphone, headphone / microphone combo jack
Memory	32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Keyboard	6-row, multimedia Fn keys, numeric keypad, white LED backlight
Display	One of the following, configurable by model:								Touchpad	2-button Mylar surface multi-touch touchpad
	<ul style="list-style-type: none"> <li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 60Hz</li> <li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, refresh rate 60Hz</li> <li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, refresh rate 144Hz</li> </ul>								Security	Power-on password, hard disk password, administrator password, security keyhole
Multi-touch	None								Security chip	Firmware TPM 2.0 integrated in chipset
Storage	Up to 2 drives (one HDD and one M.2 SSD):								Fingerprint reader	None
	<ul style="list-style-type: none"> <li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s</li> <li>Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4</li> </ul>								Battery	Integrated Li-ion 57Wh battery
Optane Memory	Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2								Max battery life	MobileMark® 2014: 5 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>
Optical	None								AC adapter	230W slim tip AC adapter
Ethernet	Gigabit Ethernet connection								Preload (opt)	Preloaded operating system <ul style="list-style-type: none"> <li>Windows® 10 Home 64</li> <li>Preloaded applications (only some listed)</li> <li>Microsoft Office Trial (with 30-day license)</li> </ul>
WLAN	One of the following, configurable by model:								Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>2-year/1-yr battery depot repair service</li> </ul>
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Environment	ErP lot 3; RoHS-compliant

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

Lenovo, August 2019