

Lenovo Legion Y540-15IRH 81SX00W0IX

Product

Lenovo Legion Y540-15IRH

Region

WE

Country/Region

Italy

Machine Type

81SX

Processor

Intel Core i7-9750HF (6C / 12T, 2.6 / 4.5GHz, 12MB)

Graphics

NVIDIA GeForce RTX 2060 6GB GDDR6

Chipset

Intel HM370

Memory

2x 8GB DIMM DDR4-2666

Storage

1TB SSD M.2 2280 PCIe NVMe

Optane Memory

None

Display

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 144Hz

Touchscreen

None

Optical

None

Media Reader

None

Ethernet

100/1000M

Case Material

PC / ABS

WLAN + Bluetooth

11ac, 2x2 + BT4.2

Camera

720p

Microphone

2x, Array

Color

Raven Black

Keyboard

Backlit, Italian

Fingerprint Reader

None

TPM

FW TPM 2.0

Battery

Integrated 57Wh

Power Adapter

230W Slim Tip

Operating System

Windows 10 Home 64, English / Italian

Bundled Software

Office Trial

Base Warranty

2-year, Depot

Bundled Service

None

EAN / UPC

194632953947

End of Support

2026-01-10

Announce Date

2019-12-10



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Lenovo Legion Y540-15IRH Platform Specifications

Product Specifications Reference (PSREF)

Processor	9th Generation Intel® Core™ i5 / i7 Processor								Dimensions Weight Case color Case material Lighting	WxDxH: 14.17" x 10.51" x 0.95-1.02"; 360mm x 267mm x 24.2-25.9mm Approx 5.07 lb / 2.3 kg Raven black PC/ABS plastic "Y" Logo lighting on display cover													
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics															
	i5-9300H	4	8	2.4 GHz	4.1 GHz	8MB	DDR4-2666	Intel UHD Graphics 630															
	i5-9300HF							-															
	i7-9750H	6	12	2.6 GHz	4.5 GHz	12MB		Intel UHD Graphics 630															
i7-9750HF	-																						
Graphics									Media reader Ports	None 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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>													
Integrated Graphics									Camera	720p HD, 1.0MP resolution, fixed focus, with dual array microphone													
									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													
									Keyboard Touchpad	6-row, multimedia Fn keys, numeric keypad, white LED backlight 2-button Mylar surface multi-touch touchpad													
									Security	Power-on password, hard disk password, administrator password, security keyhole													
									Security chip	Firmware TPM 2.0 integrated in chipset													
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)									Fingerprint reader	None													
									Chipset									Battery	Integrated Li-ion 57Wh battery				
									Memory	Mobile Intel HM370 Chipset 32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets	Max battery life (MobileMark® 2014)	<table><tr><td>Models</td><td>UHD Graphics</td><td>GTX 1660 Ti</td><td>RTX 2060</td></tr><tr><td>Max battery life</td><td>10 hr</td><td>3.8 hr</td><td>3.4 hr</td></tr></table>				Models	UHD Graphics	GTX 1660 Ti	RTX 2060	Max battery life	10 hr	3.8 hr	3.4 hr
									Models	UHD Graphics	GTX 1660 Ti	RTX 2060											
									Max battery life	10 hr	3.8 hr	3.4 hr											
Display	One of the following, configurable by model: 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	* Battery life varies significantly with settings, usage, & other factors																					
Multi-touch	None	AC adapter				230W slim tip AC adapter																	
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								Preload (opt)	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 365 - Microsoft Office Home and Business 2019 - Microsoft Office Home and Student 2019													
Optane Memory	Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2								Limited warranty	One of the following, configurable by model: 1-year depot repair service 2-year/1-yr battery depot repair service													
Optical	None								Environment	ErP lot 3; RoHS-compliant													
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																						

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

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