

Lenovo Legion Y540-15IRH 81SX012LGE

Product

Lenovo Legion Y540-15IRH

Region

WE

Country/Region

Germany

Machine Type

81SX

Processor

Intel Core i5-9300HF (4C / 8T, 2.4 / 4.1GHz, 8MB)

Graphics

NVIDIA GeForce RTX 2060 6GB GDDR6

Chipset

Intel HM370

Memory

2x 8GB DIMM DDR4-2666

Storage

512GB SSD M.2 2242 PCIe NVMe 3.0x2

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, German

Fingerprint Reader

None

TPM

FW TPM 2.0

Battery

Integrated 57Wh

Power Adapter

230W Slim Tip

Operating System

Windows 10 Home 64, German

Bundled Software

Office Trial

Base Warranty

2-year, Depot

Bundled Service

None

EAN / UPC / JAN

194778616577

End of Support

2026-03-14

Announce Date

2020-02-14



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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	Integrated Graphics		Discrete Graphics (Memory)						Camera Audio support	720p HD, 1.0MP resolution, fixed focus, with dual array microphone 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				
	Intel UHD Graphics 630		NVIDIA® GeForce® GTX 1660 Ti (6GB GDDR6 memory), VR ready NVIDIA GeForce RTX™ 2060 (6GB GDDR6 memory), VR ready											
	-		NVIDIA GeForce GTX 1660 Ti (6GB GDDR6 memory), VR ready NVIDIA GeForce RTX 2060 (6GB GDDR6 memory), VR ready											
	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)										Keyboard Touchpad	6-row, multimedia Fn keys, numeric keypad, white LED backlight 2-button Mylar surface multi-touch touchpad		
Chipset Memory	Mobile Intel HM370 Chipset 32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets							Battery Max battery life (MobileMark® 2014)	Integrated Li-ion 57Wh battery					
									Models	UHD Graphics			GTX 1660 Ti	RTX 2060
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							AC adapter	230W slim tip AC adapter					
Multi-touch	None							Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 2-year/1-yr battery depot repair service					
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 Optical	Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2 None													
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							Environment	ErP lot 3; RoHS-compliant					

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

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