

Lenovo Legion Y540-15IRH 81SX00KAGE

Product

Lenovo Legion Y540-15IRH

Region

WE

Country/Region

Germany

Machine Type

81SX

Processor

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

Graphics

NVIDIA GeForce RTX 2060 6GB GDDR6

Chipset

Intel HM370

Memory

2x 8GB DIMM DDR4-2666

Display

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

Multi-touch

None

Storage

1TB SSD M.2 2280 PCIe NVMe

Optane Memory

None

Optical

None

Media Reader

None

Ethernet

100/1000M

WLAN + Bluetooth

11ac, 2x2 + BT4.2

Color

Black

Camera

720p

Microphone

2x, Array

Keyboard

Backlit, German

Fingerprint Reader

None

TPM

FW TPM 2.0

Battery

Integrated 57Wh

Power Adapter

230W Slim Tip

Operating System

None

Bundled Software

None

Base Warranty

2-year, Depot

Service Bundles

None

EAN / UPC

194552371678

End of Support

2025-10-05

Announce Date

2019-09-05

Notes:

Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.

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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 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			
	i7-9750H	6	12	2.6 GHz	4.5 GHz	12MB					
Graphics	Integrated Graphics		Discrete Graphics (Memory)						Media reader Ports	None 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 * Depending on many factors, actual data transfer speed may be lower than theoretical speed	
	Intel UHD Graphics 630		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, 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)										
Chipset	Mobile Intel HM370 Chipset								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	
Memory	32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets										
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										
Multi-touch	None								Keyboard	6-row, multimedia Fn keys, numeric keypad, white LED backlight	
Storage	Up to 2 drives (one HDD and one M.2 SSD):								Touchpad	2-button Mylar surface multi-touch touchpad	
	- 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								Security	Power-on password, hard disk password, administrator password, security keyhole	
	Optane Memory	Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2								Security chip	Firmware TPM 2.0 integrated in chipset
		None								Fingerprint reader	None
Ethernet	Gigabit Ethernet connection								Battery	Integrated Li-ion 57Wh battery	
WLAN	One of the following, configurable by model:								Max battery life	MobileMark® 2014: 5 hr	
	802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card 802.11ac 2x2 Wi-Fi + Bluetooth 4.2, M.2 Card								* Battery life varies significantly with settings, usage, & other factors		
	Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter								AC adapter	230W slim tip AC adapter
										Preload (opt)	Preloaded operating system - Windows® 10 Home 64 Preloaded applications (only some listed) - Microsoft Office Trial (with 30-day license)
									Limited warranty	One of the following, configurable by model: 1-year depot repair service 2-year/1-yr battery depot repair service	
									Environment	ErP lot 3; RoHS-compliant	

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

Lenovo, August 2019

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