

Lenovo Legion Y540-15IRH 81SX00CMGE

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Product
Lenovo Legion Y540-15IRH

Region
WE

Country
Germany

Machine Type
81SX

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

Graphics
NVIDIA GeForce GTX 1660 Ti 6GB GDDR6

Chipset
Intel HM370

Memory
2x 8GB DDR4-2666

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

Multi-touch
None

Storage
512GB 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
Dual Array

Keyboard
Backlit

Fingerprint Reader
None

TPM
FW TPM 2.0

Battery
Integrated 57Wh

Power Adapter
230W Slim Tip

Operating System
None

Bundled Software
None

Warranty
2-year, Depot

EAN / UPC
193638184461

Announce Date
2019-05-25

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.
<https://www.lenovo.com/hk/en/battery-info>



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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 2.3 kg (5.07 lb) 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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>		
	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)										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
Chipset	Mobile Intel HM370 Chipset								Keyboard	6-row, multimedia Fn keys, numeric keypad, white LED backlight		
Memory	32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Touchpad	2-button Mylar surface multi-touch touchpad		
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, 60Hz • 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 60Hz • 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 144Hz								Security	Power-on password, hard disk password, administrator password, security keyhole		
									Security chip	Firmware TPM 2.0 integrated in chipset		
Multi-touch	None								Fingerprint reader	None		
									Battery	Integrated Li-ion 57Wh battery		
Storage	Up to 2 drives (one HDD and one M.2 SSD): • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high • M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxGB SSD M.2 2242 PCIe NVMe) • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 2280 PCIe NVMe)								Max battery life	MobileMark® 2014: 5 hr <i>* Battery life varies significantly with settings, usage, & other factors</i>		
									AC adapter	230W slim tip AC adapter		
Optane Memory									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		
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.

Lenovo, June 2019

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