

Lenovo Legion Y540-15IRH 81SX00XBGE

Product

Lenovo Legion Y540-15IRH

Region

WE

Country/Region

Germany

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 + 2TB HDD 5400rpm 2.5"

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

194778133364

End of Support

2026-01-24

Announce Date

2019-12-24



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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	-																		
								Media reader	None										
								Ports	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 * Depending on many factors, actual data transfer speed may be lower than theoretical speed										
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	Mobile Intel HM370 Chipset								Battery	Integrated Li-ion 57Wh battery									
Memory	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	<i>One of the following, configurable by model:</i> 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	<i>Up to 2 drives (one HDD and one M.2 SSD):</i> - 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) <i>Preloaded operating system</i> - Windows® 10 Home 64 - Windows 10 Pro 64 <i>Preloaded applications (only some listed)</i> - Microsoft Office Trial (with 30-day license) - Microsoft Office 365 Home - Microsoft Office 365 Personal - Microsoft Office Home and Business 2019 - Microsoft Office Home and Student 2019 - Microsoft Office Professional 2019 - Microsoft Office Personal 2019										
Optane Memory	Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2								Limited warranty	<i>One of the following, configurable by model:</i> 1-year depot repair service 2-year/1-yr battery depot repair service									
Optical	None																		
Ethernet	Gigabit Ethernet connection								Environment	ErP lot 3; RoHS-compliant									
WLAN	<i>One of the following, configurable by model:</i> 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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