

Lenovo Legion Y540-17IRH 81Q400BQGE

Product

Lenovo Legion Y540-17IRH

Region

WE

Country/Region

Germany

Machine Type

81Q4

Processor

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

Graphics

NVIDIA GeForce GTX 1660 Ti 6GB GDDR6

Chipset

Intel HM370

Memory

2x 8GB DIMM DDR4-2666

Storage

512GB SSD M.2 2242 PCIe 3.0x2 NVMe + 1TB HDD
5400rpm 2.5"

Optane Memory

None

Display

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

Multi-touch

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

194632556469

End of Support

2025-12-14

Announce Date

2019-11-14



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Lenovo Legion Y540-17IRH Platform Specifications

Product Specifications Reference (PSREF)

Processor	9th Generation Intel® Core™ i5 / i7 Processor								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>								
	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)						Camera Audio support	720p HD, 1.0MP resolution, fixed focus, with dual array microphone HD Audio, Realtek ALC3287 codec / Dolby Atoms® for Gaming PC, Harman® 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															
	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)																	
Chipset	Mobile Intel HM370 Chipset 32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Battery	Integrated Li-ion 57Wh battery								
Memory																		
Display	One of the following, configurable by model: 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, refresh rate 60Hz 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, refresh rate 144Hz																	
Multi-touch	None								Max battery life (MobileMark® 2014)	<table><tr><th>Models</th><th>UHD Graphics</th><th>GTX 1660 Ti</th><th>RTX 2060</th></tr><tr><td>Max battery life</td><td>9.3 hr</td><td>3.9 hr</td><td>3.6 hr</td></tr></table> <i>* Battery life varies significantly with settings, usage, & other factors</i>	Models	UHD Graphics	GTX 1660 Ti	RTX 2060	Max battery life	9.3 hr	3.9 hr	3.6 hr
Models	UHD Graphics	GTX 1660 Ti	RTX 2060															
Max battery life	9.3 hr	3.9 hr	3.6 hr															
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																	
Optane Memory	Optional 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2								AC adapter	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 and Student 2019								
Optical	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								Limited warranty	One of the following, configurable by model: 1-year depot repair service 2-year/1-yr battery depot repair service								
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter																	
Dimensions	WxDxH: 15.74" x 11.42" x 0.98-1.04"; 399.8mm x 290mm x 25-26.3mm																	
Weight	Approx 6.26 lb / 2.84 kg								Environment	ErP lot 3; RoHS-compliant								
Case color	Raven black																	
Case material	PC/ABS plastic																	
Lighting	"Y" Logo lighting on display cover																	

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

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