

Lenovo Legion Y540-17IRH-PG0 81T3005BGE

Product

Lenovo Legion Y540-17IRH-PG0

Region

WE

Country/Region

Germany

Machine Type

81T3

Processor

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

Graphics

NVIDIA GeForce GTX 1650 4GB GDDR5

Chipset

Intel HM370

Memory

1x 8GB DIMM DDR4-2666

Display

17.3" FHD (1920x1080) IPS 300nits Anti-glare, 60Hz

Multi-touch

None

Storage

256GB 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 52.5Wh

Power Adapter

170W Slim Tip

Operating System

None

Bundled Software

None

Base Warranty

2-year, Depot

Service Bundles

None

EAN / UPC

194552413941

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 Y540-17IRH-PG0 Platform Specifications

Product Specifications Reference (PSREF)

Processor	9th Generation Intel® Core™ i5 / i7 Processor								Dimensions Weight Case color Case material Lighting	WxDxH: 15.74" x 11.42" x 0.98-1.04"; 399.8mm x 290mm x 25-26.3mm Approx 6.26 lb / 2.84 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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
	Intel UHD Graphics 630		NVIDIA® GeForce® GTX 1650 (4GB GDDR5 memory)							
	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® 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	<i>One of the following, configurable by model:</i> 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								Security Security chip Fingerprint reader	Power-on password, hard disk password, administrator password, security keyhole Firmware TPM 2.0 integrated in chipset None
Multi-touch	None									
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								Battery Max battery life	Integrated Li-ion 52.5Wh battery <i>MobileMark® 2014: 5 hr</i> <i>* Battery life varies significantly with settings, usage, & other factors</i>
Optane Memory	Optional 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2									
Optical	None								AC adapter	170W slim tip AC adapter
Ethernet	Gigabit Ethernet connection								Preload (opt)	<i>Preloaded operating system</i> - Windows® 10 Home 64 <i>Preloaded applications (only some listed)</i> - Microsoft Office Trial (with 30-day license)
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								Limited warranty	<i>One of the following, configurable by model:</i> 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								Environment	ErP lot 3; RoHS-compliant

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

Lenovo, August 2019

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