

Lenovo Legion Y540-15IRH-PG0 81SY00P7BM

Product

Lenovo Legion Y540-15IRH-PG0

Region

EET

Country/Region

Bulgaria

Machine Type

81SY

Processor

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

Graphics

NVIDIA GeForce GTX 1650 4GB GDDR5

Chipset

Intel HM370

Memory

2x 8GB DIMM DDR4-2666

Storage

512GB SSD M.2 2242 PCIe NVMe 3.0x2

Optane Memory

None

Display

15.6" FHD (1920x1080) IPS 250nits Anti-glare, 60Hz

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, Bulgarian

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

Bundled Service

None

EAN / UPC / JAN

194778388757

End of Support

2026-02-20

Announce Date

2020-01-20

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Lenovo Legion Y540-15IRH-PG0 Platform Specifications

Product Specifications Reference (PSREF)



Processor	9th Generation Intel® Core™ i5 / i7 Processor								Dimensions	WxDxH: 14.17" x 10.51" x 0.95-0.99"; 360mm x 267mm x 24.2-25.2mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Approx 5.07 lb / 2.3 kg	
	i5-9300H	4	8	2.4 GHz	4.1 GHz	8MB	DDR4-2666	Intel UHD Graphics 630	Case color	Raven black	
	i5-9300HF							-	Case material	PC/ABS plastic	
	i7-9750H	6	12	2.6 GHz	4.5 GHz	12MB	-	Intel UHD Graphics 630	Lighting	"Y" Logo lighting on display cover	
i7-9750HF	-							Media reader	None		
Graphics	Integrated Graphics		Discrete Graphics (Memory)								
	Intel UHD Graphics 630		NVIDIA® GeForce® GTX 1650 (4GB GDDR5 memory)								
	- 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										
Memory	32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets										
Display	One of the following, configurable by model:										
	<ul style="list-style-type: none"> 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										
Storage	Up to 2 drives (one HDD and one M.2 SSD):										
	<ul style="list-style-type: none"> 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										
Optical	None										
Ethernet	Gigabit Ethernet connection										
WLAN	One of the following, configurable by model:										
	<ul style="list-style-type: none"> 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										
Camera	720p HD, 1.0MP resolution, fixed focus, with dual array microphone										
Audio support	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										
Keyboard	6-row, multimedia Fn keys, numeric keypad, white LED backlight										
Touchpad	2-button Mylar surface multi-touch touchpad										
Security	Power-on password, hard disk password, administrator password, security keyhole										
Security chip	Firmware TPM 2.0 integrated in chipset										
Fingerprint reader	None										
Battery	Integrated Li-ion 52.5Wh battery										
Max battery life (MobileMark® 2014)	Models	UHD Graphics	GTX 1650								
	Max battery life	10 hr	4.5 hr								
	* Battery life varies significantly with settings, usage, & other factors										
AC adapter	170W slim tip AC adapter										
Preload (opt)	Preloaded operating system										
	<ul style="list-style-type: none"> Windows® 10 Home 64 Windows 10 Pro 64 										
	Preloaded applications (only some listed)										
	<ul style="list-style-type: none"> 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 										
Limited warranty	One of the following, configurable by model:										
	<ul style="list-style-type: none"> 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.

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February 2020

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