Lenovo Legion Y540-15IRH 81SX00UXBM

Product
Lenovo Legion Y540-15IRH

Region
EET

Country/Region
Bulgaria

Machine Type
81SX

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

Graphics
NVIDIA GeForce GTX 1660 Ti 6GB GDDR6

Chipset
Intel HM370

Memory
1x 8GB DIMM DDR4-2666

Storage
128GB SSD M.2 2242 PCIe NVMe 3.0x2 + 1TB HDD 7200rpm 2.5"

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 57Wh

Power Adapter
230W Slim Tip

Operating System
None

Bundled Software
None

Base Warranty
2-year, Depot

Bundled Service
None

EAN / UPC
194632852929

End of Support
2026-01-03

Announce Date
2019-12-03

Lenovo Legion Y540-15IRH Platform Specifications

Processor	9th Generation Intel® Core™ i5 / i7 Processor

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							-

Graphics

Integrated Graphics	Discrete Graphics (Memory)
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)

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:*

- 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):*

- 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

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:*

- 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

Dimensions	*WxDxH:* 14.17" x 10.51" x 0.95‑1.02"; 360mm x 267mm x 24.2‑25.9mm
Weight	Approx 5.07 lb / 2.3 kg
Case color	Raven black
Case material	PC/ABS plastic
Lighting	"Y" Logo lighting on display cover

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

Camera	720p HD, 1.0MP resolution, fixed focus, with dual array microphone
Audio support	HD Audio, Realtek ALC3287 codec / Dolby Atoms® 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 57Wh battery

Max battery life (*MobileMark® 2014*)	Models	UHD Graphics	GTX 1660 Ti	RTX 2060
	Max battery life	10 hr	3.8 hr	3.4 hr

* Battery life varies significantly with settings, usage, & other factors

AC adapter	230W slim tip AC adapter

Preload (opt)	*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 365
- Microsoft Office Home and Business 2019
- Microsoft Office Home and Student 2019

Limited warranty	*One of the following, configurable by model:*

- 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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