

Lenovo Legion Y540-15IRH 81SX0128GE

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 + 1TB HDD 7200rpm 2.5"

Optane Memory

None

Display

15.6" FHD (1920x1080) IPS 300nits 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, 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

194778570947

End of Support

2026-03-10

Announce Date

2020-02-10



WWW.LENOVO.COM

Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area.

Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors.

Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.



<https://psref.lenovo.com>

Visit psref website for the latest version of Product Specifications Reference.

© Lenovo, 2020. All rights reserved.



Lenovo™

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	-																	
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 Memory	Mobile Intel HM370 Chipset 32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets										Battery Max battery life (MobileMark® 2014)	Integrated Li-ion 57Wh battery						
												Models	UHD Graphics	GTX 1660 Ti	RTX 2060			
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										Max battery life				10 hr	3.8 hr	3.4 hr	
															* Battery life varies significantly with settings, usage, & other factors			
Multi-touch	None								AC adapter	230W slim tip AC adapter								
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								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 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 Optical	Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2 None								Limited warranty	One of the following, configurable by model: ● 1-year depot repair service ● 2-year/1-yr battery depot repair service								
Ethernet	Gigabit Ethernet connection								Environment	ErP lot 3; RoHS-compliant								
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																	

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

Lenovo
February 2020

Lenovo™

Lenovo Legion Y540-15IRH

Lenovo™

