

Lenovo Legion Y540-15IRH-PG0 81SY000VLM

Product

Lenovo Legion Y540-15IRH-PG0

Region

LA

Country/Region

LA Group

Machine Type

81SY

Processor

Intel 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

Storage

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

Optane Memory

None

Display

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

Multi-touch

None

Optical

None

Media Reader

None

Ethernet

100/1000M

Case Material

PC / ABS

WLAN + Bluetooth

11ac, 1x1 + BT4.2

Camera

720p

Microphone

2x, Array

Color

Raven Black

Keyboard

Backlit, Spanish (LA)

Fingerprint Reader

None

TPM

FW TPM 2.0

Battery

Integrated 52.5Wh

Power Adapter

170W Slim Tip

Operating System

Windows 10 Home 64, Spanish

Bundled Software

Office Trial

Base Warranty

1-year, Depot

Bundled Service

None

EAN / UPC

193386457718

End of Support

2025-06-16

Announce Date

2019-05-16



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Lenovo Legion Y540-15IRH-PG0 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 0.95-0.99"; 360mm x 267mm x 24.2-25.2mm																									
	<table border="1"> <thead> <tr> <th>Processor Number</th><th># of Cores</th><th># of Threads</th><th>Base Frequency</th><th>Max Turbo Frequency</th><th>Cache</th><th>Memory Types</th><th>Processor Graphics</th></tr> </thead> <tbody> <tr> <td>i5-9300H</td><td>4</td><td>8</td><td>2.4 GHz</td><td>4.1 GHz</td><td>8MB</td><td>DDR4-2666</td><td>Intel UHD Graphics 630</td></tr> <tr> <td>i7-9750H</td><td>6</td><td>12</td><td>2.6 GHz</td><td>4.5 GHz</td><td>12MB</td><td></td><td></td></tr> </tbody> </table>									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				
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Graphics	<table border="1"> <thead> <tr> <th>Integrated Graphics</th><th>Discrete Graphics (Memory)</th></tr> </thead> <tbody> <tr> <td>Intel UHD Graphics 630</td><td>NVIDIA® GeForce® GTX 1650 (4GB GDDR5 memory)</td></tr> </tbody> </table> <p>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)</p>								Integrated Graphics	Discrete Graphics (Memory)	Intel UHD Graphics 630	NVIDIA® GeForce® GTX 1650 (4GB GDDR5 memory)	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 * Depending on many factors, actual data transfer speed may be lower than theoretical speed																					
Integrated Graphics	Discrete Graphics (Memory)																																		
Intel UHD Graphics 630	NVIDIA® GeForce® GTX 1650 (4GB GDDR5 memory)																																		
Chipset Memory	<p>Mobile Intel HM370 Chipset 32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets</p>								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® stereo speakers with chamber, 2W x 2, dual array microphone, headphone / microphone combo jack																									
Display	<p><i>One of the following, configurable by model:</i></p> <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 								Keyboard Touchpad	6-row, multimedia Fn keys, numeric keypad, white LED backlight 2-button Mylar surface multi-touch touchpad																									
Multi-touch	None								Security Security chip Fingerprint reader	Power-on password, hard disk password, administrator password, security keyhole Firmware TPM 2.0 integrated in chipset None																									
Storage	<p>Up to 2 drives (one HDD and one M.2 SSD):</p> <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 								Battery Max battery life (MobileMark® 2014)	Integrated Li-ion 52.5Wh battery <table border="1"> <thead> <tr> <th>Models</th><th>UHD Graphics</th><th>GTX 1650</th></tr> </thead> <tbody> <tr> <td>Max battery life</td><td>10 hr</td><td>4.5 hr</td></tr> </tbody> </table>			Models	UHD Graphics	GTX 1650	Max battery life	10 hr	4.5 hr																	
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Optane Memory Optical	<p>Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2</p>								AC adapter	* Battery life varies significantly with settings, usage, & other factors 170W slim tip AC adapter																									
Ethernet	Gigabit Ethernet connection								Limited warranty	<p><i>One of the following, configurable by model:</i></p> <ul style="list-style-type: none"> • 1-year depot repair service • 2-year/1-yr battery depot repair service 																									
WLAN	<p><i>One of the following, configurable by model:</i></p> <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 								Environment	ErP lot 3; RoHS-compliant																									
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter																																		

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

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