

Lenovo Legion Y540-15IRH-PG0 81SY00BUGJ

Product

Lenovo Legion Y540-15IRH-PG0

Region

LA

Country/Region

CA 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 SO-DIMM DDR4-2666

Storage

256GB SSD M.2 2280 PCIe NVMe + 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, 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 / JAN

193638561569

End of Support

2025-07-23

Announce Date

2019-06-23

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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)						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 <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)						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								
	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	6-row, multimedia Fn keys, numeric keypad, white LED backlight								
Chipset	Mobile Intel HM370 Chipset								Touchpad	2-button Mylar surface multi-touch touchpad								
Memory	32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Security	Power-on password, hard disk password, administrator password, security keyhole								
Display	<i>One of the following, configurable by model:</i> <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 								Security chip	Firmware TPM 2.0 integrated in chipset								
									Fingerprint reader	None								
Multi-touch	None								Battery	Integrated Li-ion 52.5Wh battery								
Storage	<i>Up to 2 drives (one HDD and one M.2 SSD):</i> <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 								Max battery life (MobileMark® 2014)	<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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Max battery life	10 hr	4.5 hr																
Optane Memory	Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2								AC adapter	170W slim tip AC adapter								
Optical	None								Preload (opt)	<i>Preloaded operating system</i> <ul style="list-style-type: none"> Windows® 10 Home 64 Windows 10 Pro 64 <i>Preloaded applications (only some listed)</i> <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 								
Ethernet	Gigabit Ethernet connection								Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> 1-year depot repair service 2-year/1-yr battery depot repair service 								
WLAN	<i>One of the following, configurable by model:</i> <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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