

# Lenovo Legion Y540-15IRH-PG0 81SY009KPB

**Product**

Lenovo Legion Y540-15IRH-PG0

**Region**

EET

**Country/Region**

Poland

**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**

1TB SSD M.2 2280 PCIe NVMe

**Optane Memory**

None

**Display**

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 60Hz

**Multi-touch**

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, English

**Fingerprint Reader**

None

**TPM**

FW TPM 2.0

**Battery**

Integrated 52.5Wh

**Power Adapter**

170W Slim Tip

**Operating System**

Windows 10 Home 64, Polish

**Bundled Software**

Office Trial

**Base Warranty**

2-year, Depot

**Bundled Service**

None

**EAN / UPC**

193638120940

**End of Support**

2025-09-29

**Announce Date**

2019-08-29



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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 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										
i7-9750H	6	12	2.6 GHz	4.5 GHz	12MB													
Graphics	Integrated Graphics		Discrete Graphics (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 <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)															
	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								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								
Memory	32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets																	
Display	One of the following, configurable by model:								Keyboard Touchpad	6-row, multimedia Fn keys, numeric keypad, white LED backlight 2-button Mylar surface multi-touch touchpad								
	<ul style="list-style-type: none"><li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 60Hz</li><li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, refresh rate 60Hz</li><li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, refresh rate 144Hz</li></ul>																	
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	Up to 2 drives (one HDD and one M.2 SSD):																	
	<ul style="list-style-type: none"><li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high</li><li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s</li><li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s</li></ul>																	
Optane Memory	Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2								Battery Max battery life (MobileMark® 2014)	Integrated Li-ion 52.5Wh battery <table><tr><td>Models</td><td>UHD Graphics</td><td>GTX 1650</td></tr><tr><td>Max battery life</td><td>10 hr</td><td>4.5 hr</td></tr></table> <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>			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																
Optical	None								AC adapter	170W slim tip AC adapter								
Ethernet	Gigabit Ethernet connection																	
	WLAN	One of the following, configurable by model:								Preload (opt)	Preloaded operating system <ul style="list-style-type: none"><li>Windows® 10 Home 64</li><li>Windows 10 Pro 64</li></ul> Preloaded applications (only some listed) <ul style="list-style-type: none"><li>Microsoft Office Trial (with 30-day license)</li><li>Microsoft Office Home and Student 2019</li></ul>							
<ul style="list-style-type: none"><li>802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card</li><li>802.11ac 2x2 Wi-Fi + Bluetooth 4.2, M.2 Card</li></ul>																		
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none"><li>1-year depot repair service</li><li>2-year/1-yr battery depot repair service</li></ul>								
Environment									ErP lot 3; RoHS-compliant									

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

Lenovo  
December 2019

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