

Lenovo Legion Y540-15IRH-PG0 81SY00L3BM

Product

Lenovo Legion Y540-15IRH-PG0

Region

EET

Country/Region

Bulgaria

Machine Type

81SY

Processor

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

Graphics

NVIDIA GeForce GTX 1650 4GB GDDR5

Chipset

Intel HM370

Memory

1x 8GB DIMM DDR4-2666

Storage

256GB SSD M.2 2280 PCIe NVMe

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 52.5Wh

Power Adapter

170W Slim Tip

Operating System

None

Bundled Software

None

Base Warranty

2-year, Depot

Bundled Service

None

EAN / UPC

194632780246

End of Support

2026-01-06

Announce Date

2019-12-06

 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-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			
									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>		
Graphics	Integrated Graphics		Discrete Graphics (Memory)					Camera	720p HD, 1.0MP resolution, fixed focus, with dual array microphone			
	Intel UHD Graphics 630		NVIDIA® GeForce® GTX 1650 (4GB GDDR5 memory)					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			
								Battery	Integrated Li-ion 52.5Wh battery			
								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										
	* Battery life varies significantly with settings, usage, & other factors							Fingerprint reader	None			
Multi-touch	None							AC adapter	170W slim tip AC adapter			
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 							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 Home and Student 2019 			
Optane Memory	Optional 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2							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 			
Optical	None							Environment	ErP lot 3; RoHS-compliant			
Ethernet	Gigabit Ethernet connection											
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 											
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter											

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

Lenovo
December 2019

Lenovo Legion Y540-15IRH-PG0

