Lenovo Legion Y540-15IRH 81SX004SGE

Product Lenovo Legion Y540-15IRH

Region WE

Country Germany

Machine Type 81SX

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

Graphics NVIDIA GeForce GTX 1660 Ti 6GB GDDR6

Chipset Intel HM370

Memory 2x 8GB DDR4-2666

Display 15.6" FHD (1920x1080) IPS 300nits Anti-glare, 144Hz

Multi-touch None

Storage 1TB HDD 5400rpm 2.5" + 128GB SSD M.2 2242 PCIe NVMe

Optane Memory None

Optical None

Media Reader None

Ethernet 100/1000M

WLAN + Bluetooth 11ac, 2x2 + BT4,2

Color Black

Camera 720p Microphone Dual Array

Keyboard Backlit

Fingerprint Reader None

TPM FW TPM 2.0

Battery Integrated 57Wh

Power Adapter 230W Slim Tip

Operating System Windows 10 Home 64

Bundled Software Office Trial

Warranty 2-year, Depot

EAN / UPC 193386722410

Announce Date 2019-04-28

Notes:

Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences. https://www.lenovo.com/hk/en/battery-info

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Lenovo Legion Y540-15IRH Platform Specifications

Product Specifications Reference (PSREF)

| Processor # of # of Base Max Turbo Cache Memory Processor Number Cores Threads Frequency Cache Memory Processor Graphics i5-9300H 4 8 2.4 GHz 4.1 GHz 8MB DDR4-2666 Intel UHD Graphics Black PC/ABS plastic i7-9750H 6 12 2.6 GHz 4.5 GHz 12MB DDR4-2666 Intel UHD Graphics One Weight Approx 2.3 kg (5.07 lb) Black Graphics Integrated Graphics Discrete Graphics (Memory) DDR4-2666 Intel UHD Graphics Media reader None Media reader None None One USB 3.1 Gen 1 (one Always On), two USB 3.1 Gen 1, one USB 3.1 Gen 1 (with the function of DisplayPort 1.2), HDMI 2.0, Ethernet (RJ-45), Mini DisplayPort 1.4, | Processor | 9th Generation Intel [®] Core [™] i5 / i7 Processor | Dimensions | <i>WxDxH:</i> 14.17" x 10.51" x 0.95-1.02"; 360mm x 267mm x 24.2-25.9mm |
|---|-------------|---|------------------|--|
| Number Cores Timeads Frequency Frequency Graphics Gase Coint Case matrix Case Coint (Case matrix) Case Matrix (Case matrix) Coint (Case matrix)< | 11000300 | Processor # of # of Base Max Turbo Cooke Memory Processor | Weight | Approx 2.3 kg (5.07 lb) |
| Integrated Construction Construction <td></td> <td></td> <td></td> <td></td> | | | | |
| Integrated Graphics Integrated Graphics Discrete Graphics (Memory) Media reader None Graphics Integrated Graphics Discrete Graphics (Memory) Discrete Graphics (Memory), VR ready None N | | | | |
| Graphics Integrated Graphics Discrete Graphics (Memory) Ports One USB 3.1 Gen 1, One Always On), two USB 3.1 Gen 1, one Always On), two USB 3.1 Gen 1, one USB 3.1 Gen 1, | | i7-9750H 6 12 2.6 GHz 4.5 GHz 12MB DDH4-2000 630 | | |
| Intel UHD Graphics 630 Integraphics 630 Integraphic | Graphics | | Ports | One USB 3.1 Gen 1 (one Always On), two USB 3.1 Gen 1, one USB 3.1 Type-C Gen 1 / (with the function of DisplayPort 1.2), |
| supports three independent displays: Max resolution: 4096x2160@ 60Hz (HDM); 7680x4320@ 60Hz (Mini DP 1.4); Max resolution: 4096x2160@ 60Hz (USB Type-C) Chipset Mobile Intel HM370 Chipset Storage 200 PLZ, 100M Testing 2266MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Display One of the following: configurable by model: • 15.6° (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 47% gamut, 60Hz • 015.6° (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 47% gamut, 60Hz • 15.6° (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 60Hz Multi-touch None Storage Up to 2 drives (one HDD and one M2 SSD): • HDD / SATA 6.0Gb/s, 2.5° wide, 7mm high • M2 SSD / PCle NVMe, PCle 3.0 x 2, 16Gb/s • M2 AND One of the following: configurable by model: • Kardepot repair service • Optional Intel Optane" Memory, PCle NVMe, PCle 3.0 x 2, 16Gb/s, M.2 Optional Intel Optane" Memory, PCle NVMe, PCle 3.0 x 2, 16Gb/s, M.2 Optional Intel Optane" Memory, PCle NVMe, PCle 3.0 x 2, 16Gb/s, M.2 Optional Intel Optane" Memory, PCle NVMe, PCle 3.0 x 2, 16Gb/s, M.2 Optional Intel Optane" Memory, PCle NVMe, PCle 3.0 x 2, 16Gb/s, M.2 None < | | Intel UHD Graphics 630 NVIDIA GeForce RTX [™] 2060 (6GB GDDR6 memory), VR ready | | |
| Memory two DPR4 SO-DIMM sockets New DPR4 SO-DIMM sockets Display One of the following, configurable by model: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 intis, 16:9 aspect ratio, 72% gamut, 144Hz Security chip Firmware TPM 2.0 integrated in chipset 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 144Hz Security chip Firmware TPM 2.0 integrated in chipset 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 144Hz Security chip Fingerprint reader None Multi-touch None Data 2 drives (one HDD and one M.2 SSD): HDD / SATA 6.0B/s, 2.5" wide, 7mm high Multi SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxGB SSD M.2 2242 PCIe NVMe) Optical Preload (opt) Preloaded applications (only some listed) - Microsoft Office Trial (with 30-day license) Charter et memory Optical One of the following, configurable by model: - socket by following, configurable by model: - socket by model: - socket by following, configurable by model: - socket by model: - socket by following, configurable by model: - socket by following, configurable by model: - socket by following, configurable by model: - socket by following, config | | supports three independent displays; Max resolution: 4096x2160@60Hz (HDMI); 7680x4320@60Hz (Mini DP 1.4); 4096x2160@60Hz (USB Type-C) | | HD Audio, Realtek ALC3287 codec / Dolby Atoms® for Gaming PC, Harman® stereo speakers with chamber, 2W x 2, |
| Display One of the following, configurable by model: Power-on password, hard disk password, security keyhole Display 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 200 nits, 16:9 aspect ratio, 72% gamut, 60Hz Security chip Firmware TPM 2.0 integrated Li-ion 57Wh battery 300 nits, 16:9 aspect ratio, 72% gamut, 60Hz * 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 144Hz Integrated Li-ion 57Wh battery Multi-touch None * Battery Integrated Li-ion 57Wh battery Storage Up to 2 drives (one HDD and one M.2 SSD): * HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high * Max battery • M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxGB SSD M.2 2242 PCIe NVMe) * Max 532D / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 2242 PCIe NVMe) • Windows* 10 Home 64 Optical Mone Preloaded applications (only some listed) • Uinted warranty Optical Optional Intel Optane* Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2 Imited warranty One of the following, configurable by model: • 802.11ac 1xt Wi-Fi + Bluetooth 4.2, M.2 Card * 802.11ac 1xt 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 Firmware TPM 2.0 integrated in Wi-Fi + Bluetooth combo adapter | | 32GB max offering / 2666MHz DDR4, dual-channel capable, | | 6-row, multimedia Fn keys, numeric keypad, white LED backlight 2-button Mylar surface multi-touch touchpad |
| 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 60Hz 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 144Hz Multi-touch None Battery Integrated Li-ion 57Wh battery Max battery life Battery Max battery life varies significantly with settings, usage, & other factors AC adapter Preloaded operating system Windows⁶ 10 Home 64 Preloaded spplications (only some listed) Microsoft Office Trial (with 30-day license) Limited warranty One of the following, configurable by model: | Display | One of the following, configurable by model: • 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS. | Security chip | Firmware TPM 2.0 integrated in chipset |
| Storage Up to 2 drives (one HDD and one M.2 SSD): • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high • Windows % 10 Home 64 • M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxGB SSD M.2 2242 PCIe NVMe) • Microsoft Office Trial (with 30-day license) • Microsoft Office Trial (with 30-day license) • Microsoft Office Trial (with 30-day license) • Microsoft Office Trial (with 30-day license) • Microsoft Office Trial (with 30-day license) • Microsoft Office Trial (with 30-day license) • Microsoft Office Trial (with 30-day license) • Optane Memory Optical None • Microsoft Office Trial (with 30-day license) Ethernet Gigabit Ethernet connection 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 [™] | | 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 60Hz 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 144Hz | Max battery life | MobileMark [®] 2014: 5 hr * Battery life varies significantly with settings, usage, & other factors |
| HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high Preloaded applications (only some listed) M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s Microsoft Office Trial (with 30-day license) (e.g. xxxGB SSD M.2 2242 PCIe NVMe) Microsoft Office Trial (with 30-day license) (e.g. xxxGB SSD M.2 2242 PCIe NVMe) Microsoft Office Trial (with 30-day license) (e.g. xxxGB SSD M.2 2242 PCIe NVMe) Microsoft Office Trial (with 30-day license) (e.g. xxxGB SSD M.2 2242 PCIe NVMe) Microsoft Office Trial (with 30-day license) (e.g. xxxGB SSD M.2 2280 PCIe NVMe) Microsoft Office Trial (with 30-day license) (e.g. xxxGB SSD M.2 2280 PCIe NVMe) Microsoft Office Trial (with 30-day license) (e.g. xxxGB SSD M.2 2280 PCIe NVMe) Preloaded applications (only some listed) (e.g. xxxGB SSD M.2 2280 PCIe NVMe) Microsoft Office Trial (with 30-day license) (e.g. xxxGB SSD M.2 2280 PCIe NVMe) Preloaded applications (only some listed) (bit calment in the option of the following, configurable by model: 1-year depot repair service (bit calment in the officent in the following, configurable by model: 802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card (bit calment in the following in the option of the option of the following in the option of the following in the option of the following in the option | Multi-touch | None | Preload (opt) | |
| M.Ž SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 2280 PCIe NVMe) Optional Intel Optane[™] Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2 None <u>Chernet</u> <u>Gigabit Ethernet connection</u> <u>WLAN</u> <u>One of the following, configurable by model:</u> • 802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card • 802.11ac 2x2 Wi-Fi + Bluetooth 4.2, M.2 Card Bluetooth[™] <u>Bluetooth 4.2</u> wireless, integrated in Wi-Fi + Bluetooth combo adapter | Storage | HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high | | Preloaded applications (only some listed) |
| Optical None Ethernet Gigabit Ethernet connection 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™ Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter | 0N | M.Ž SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 2280 PCIe NVMe) | Limited warranty | 1-year depot repair service |
| 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 | | | Environment | ErP lot 3; RoHS-compliant |
| 802.11ac 1x1 Ŵi-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 | Ethernet | Gigabit Ethernet connection | 1 | |
| | | 802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card 802.11ac 2x2 Wi-Fi + Bluetooth 4.2, M.2 Card | | |
| | | | | |

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

Lenovo, April 2019

Lenovo Legion Y540-15IRH









intel inside

