

# Lenovo Legion Y540-17IRH 81Q4002CGE

## Product

Lenovo Legion Y540-17IRH

## Region

WE

## Country

Germany

## Machine Type

81Q4

## Processor

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

## Graphics

NVIDIA GeForce RTX 2060 6GB GDDR6

## Chipset

Intel HM370

## Memory

2x 8GB DDR4-2666

## Display

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

## Multi-touch

None

## Storage

1TB HDD 7200rpm 2.5" + 512GB SSD M.2 2242 PCIe 3.0x2 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

193386723271

## Announce Date

2019-05-23

## 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 Y540-17IRH Platform Specifications

Product Specifications Reference (PSREF)

|                          |                                                                                                                                                                                                                                                                                                                                      |            |                                                           |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------|----------------|---------------------|-------|--------------|------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                | 9th Generation Intel® Core™ i5 / i7 Processor                                                                                                                                                                                                                                                                                        |            |                                                           |                |                     |       |              |                        | Dimensions<br>Weight<br>Case color<br>Case material<br>Lighting | WxDxH: 15.74" x 11.42" x 0.98-1.04"; 399.8mm x 290mm x 25-26.3mm<br>Approx 2.84 kg (6.26 lb)<br>Black<br>PC/ABS plastic<br>"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<br>Ports                                           | None<br>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), HDMI 2.0, Ethernet (RJ-45), Mini DisplayPort 1.4, headphone / microphone combo jack, security keyhole, AC power adapter jack<br><i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> |
|                          | Intel UHD Graphics 630                                                                                                                                                                                                                                                                                                               |            | NVIDIA® GeForce® GTX 1660 Ti (6GB GDDR6 memory), VR ready |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |
|                          |                                                                                                                                                                                                                                                                                                                                      |            | NVIDIA GeForce RTX™ 2060 (6GB GDDR6 memory), VR ready     |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |
|                          | supports external digital monitor via HDMI, Mini DP or USB Type-C;<br>supports three independent displays;<br>Max resolution: 4096x2160@60Hz (HDMI); 7680x4320@60Hz (Mini DP 1.4); 4096x2160@60Hz (USB Type-C)                                                                                                                       |            |                                                           |                |                     |       |              |                        | Camera<br>Audio support                                         | 720p HD, 1.0MP resolution, fixed focus, with dual array microphone<br>HD Audio, Realtek ALC3287 codec /<br>Dolby Atmos® for Gaming PC, Harman® Speakers with chamber, 2W x 2, dual array microphone, headphone / microphone combo jack                                                                                                                              |
| Chipset                  | Mobile Intel HM370 Chipset                                                                                                                                                                                                                                                                                                           |            |                                                           |                |                     |       |              |                        | Keyboard                                                        | 6-row, multimedia Fn keys, numeric keypad, white LED backlight                                                                                                                                                                                                                                                                                                      |
| Memory                   | 32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets                                                                                                                                                                                                                                                     |            |                                                           |                |                     |       |              |                        | Touchpad                                                        | 2-button Mylar surface multi-touch touchpad                                                                                                                                                                                                                                                                                                                         |
| Display                  | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 60Hz</li><li>17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 144Hz</li></ul> |            |                                                           |                |                     |       |              |                        | Security<br>Security chip<br>Fingerprint reader                 | Power-on password, hard disk password, administrator password, security keyhole<br>Firmware TPM 2.0 integrated in chipset<br>None                                                                                                                                                                                                                                   |
| Multi-touch              | None                                                                                                                                                                                                                                                                                                                                 |            |                                                           |                |                     |       |              |                        | Battery<br>Max battery life                                     | Integrated Li-ion 57Wh battery<br><i>MobileMark® 2014: 5 hr</i><br><i>* Battery life varies significantly with settings, usage, &amp; other factors</i>                                                                                                                                                                                                             |
| Storage                  | <i>Up to 2 drives (one HDD and one M.2 SSD):</i> <ul style="list-style-type: none"><li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high</li><li>M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxGB SSD M.2 2242 PCIe NVMe)</li><li>M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 2280 PCIe NVMe)</li></ul>                 |            |                                                           |                |                     |       |              |                        | AC adapter                                                      | 230W slim tip AC adapter                                                                                                                                                                                                                                                                                                                                            |
| Optane Memory<br>Optical | None<br>None                                                                                                                                                                                                                                                                                                                         |            |                                                           |                |                     |       |              |                        | Preload (opt)                                                   | <i>Preloaded operating system</i> <ul style="list-style-type: none"><li>Windows® 10 Home 64</li><li>Windows 10 Pro 64</li></ul> <i>Preloaded applications (only some listed)</i> <ul style="list-style-type: none"><li>Microsoft Office Trial (with 30-day license)</li></ul>                                                                                       |
|                          |                                                                                                                                                                                                                                                                                                                                      |            |                                                           |                |                     |       |              |                        | Limited warranty                                                | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>1-year depot repair service</li><li>2-year/1-yr battery depot repair service</li></ul>                                                                                                                                                                                    |
| Ethernet                 | Gigabit Ethernet connection                                                                                                                                                                                                                                                                                                          |            |                                                           |                |                     |       |              |                        | Environment                                                     | ErP lot 3; RoHS-compliant                                                                                                                                                                                                                                                                                                                                           |
| WLAN                     | <i>One of the following, configurable by model:</i> <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                                                                                                                                                                                                                                                                |            |                                                           |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |

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

Lenovo, May 2019

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