

# Lenovo Legion Y540-17IRH-PG0 81T30068GE

**Product**

Lenovo Legion Y540-17IRH-PG0

**Region**

WE

**Country/Region**

Germany

**Machine Type**

81T3

**Processor**

Intel Core i5-9300H (4C / 8T, 2.4 / 4.1GHz, 8MB)

**Graphics**

NVIDIA GeForce GTX 1650 4GB GDDR5

**Chipset**

Intel HM370

**Memory**

2x 8GB DIMM DDR4-2666

**Storage**

512GB SSD M.2 2242 PCIe 3.0x2 NVMe

**Optane Memory**

None

**Display**

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

**Multi-touch**

None

**Optical**

None

**Media Reader**

None

**Ethernet**

100/1000M

**WLAN + Bluetooth**

11ac, 2x2 + BT4.2

**Camera**

720p

**Microphone**

2x, Array

**Color**

Raven Black

**Keyboard**

Backlit, German

**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**

194632556438

**End of Support**

2025-12-14

**Announce Date**

2019-11-14

**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.

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# Lenovo Legion Y540-17IRH-PG0 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 6.26 lb / 2.84 kg<br>Raven 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 1650 (4GB GDDR5 memory) |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |
|               | supports external digital monitor via HDMI, Mini DP or USB Type-C;<br>supports three independent displays;<br>Max resolution: 3840x2160@60Hz (HDMI); 7680x4320@60Hz (Mini DP 1.4); 3840x2160@60Hz (USB Type-C)                                                                                                                                                 |            |                                              |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |
| Chipset       | Mobile Intel HM370 Chipset                                                                                                                                                                                                                                                                                                                                     |            |                                              |                |                     |       |              |                        | 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                                                                                                                              |
| Memory        | 32GB max offering / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets                                                                                                                                                                                                                                                                               |            |                                              |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |
| 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, refresh rate 60Hz</li><li>17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, refresh rate 144Hz</li></ul> |            |                                              |                |                     |       |              |                        | Keyboard<br>Touchpad                                            | 6-row, multimedia Fn keys, numeric keypad, white LED backlight<br>2-button Mylar surface multi-touch touchpad                                                                                                                                                                                                                                                       |
| Multi-touch   | None                                                                                                                                                                                                                                                                                                                                                           |            |                                              |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |
| 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 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>                                                                                                         |            |                                              |                |                     |       |              |                        | 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                                                                                                                                                                                                                                   |
| Optane Memory | Optional 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2                                                                                                                                                                                                                                                                                       |            |                                              |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |
| Optical       | None                                                                                                                                                                                                                                                                                                                                                           |            |                                              |                |                     |       |              |                        | Battery<br>Max battery life                                     | Integrated Li-ion 52.5Wh battery<br><i>MobileMark® 2014: 5 hr</i><br><i>* Battery life varies significantly with settings, usage, &amp; other factors</i>                                                                                                                                                                                                           |
| Ethernet      | Gigabit Ethernet connection                                                                                                                                                                                                                                                                                                                                    |            |                                              |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |
| 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>                                                                                                                                                          |            |                                              |                |                     |       |              |                        | AC adapter                                                      | Preload (opt)<br><i>Preloaded operating system</i> <ul style="list-style-type: none"><li>Windows® 10 Home 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><li>Microsoft Office Home and Student 2019</li></ul>                                                 |
| Bluetooth™    | Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                                                                                                                                          |            |                                              |                |                     |       |              |                        |                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |
|               |                                                                                                                                                                                                                                                                                                                                                                |            |                                              |                |                     |       |              |                        | 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>                                                                                                                                                                                    |
|               |                                                                                                                                                                                                                                                                                                                                                                |            |                                              |                |                     |       |              |                        | Environment                                                     | ErP lot 3; RoHS-compliant                                                                                                                                                                                                                                                                                                                                           |

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

Lenovo, October 2019

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