

# ideapad S540-15IWL 81NE00A7GE

WithDraw  
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Product  
ideapad S540-15IWL

Region  
WE

Country  
Germany

Machine Type  
81NE

Processor  
Core i7-8565U (4C / 8T, 1.8 / 4.6GHz, 8MB)

Graphics  
Integrated Intel UHD Graphics 620

Chipset  
Intel SoC Platform

Memory  
4GB Soldered + 4GB DIMM DDR4-2400

Display  
15.6" FHD (1920x1080) IPS 250nits Anti-glare

Multi-touch  
None

Storage  
512GB SSD M.2 2280 PCIe NVMe

Optane Memory  
None

Optical  
None

Media Reader  
4-in-1

Ethernet  
None

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

Color  
Copper

Camera  
720p

Microphone  
Dual Array

Keyboard  
Backlit

Fingerprint Reader  
Fingerprint Reader

TPM  
FW TPM 2.0

Battery  
Integrated 52.5Wh

Power Adapter  
65W Round Tip

Operating System  
Windows 10 Home 64

Bundled Software  
Office Trial

Warranty  
2-year, Depot

EAN / UPC  
193638543077

Announce Date  
2019-06-20

## 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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# ideapad S540-15IWL Platform Specifications

Product Specifications Reference (PSREF)

|                    |                                                                                                                                                                                                                                                                                                                                                                              |            |                                            |                |                     |       |              |                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------|----------------|---------------------|-------|--------------|------------------------|
| Processor          | 8th Generation Intel® Core™ i3 / i5 / i7 Processor                                                                                                                                                                                                                                                                                                                           |            |                                            |                |                     |       |              |                        |
|                    | Processor Number                                                                                                                                                                                                                                                                                                                                                             | # of Cores | # of Threads                               | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics     |
|                    | i3-8145U                                                                                                                                                                                                                                                                                                                                                                     | 2          | 4                                          | 2.1 GHz        | 3.9 GHz             | 4MB   | DDR4-2400    | Intel UHD Graphics 620 |
|                    | i5-8265U                                                                                                                                                                                                                                                                                                                                                                     | 4          | 8                                          | 1.6 GHz        | 3.9 GHz             | 6MB   |              |                        |
| i7-8565U           | 1.8 GHz                                                                                                                                                                                                                                                                                                                                                                      |            |                                            | 4.6 GHz        | 8MB                 |       |              |                        |
| Graphics           | Integrated Graphics                                                                                                                                                                                                                                                                                                                                                          |            | Discrete Graphics (Memory)                 |                |                     |       |              |                        |
|                    | Intel UHD Graphics 620                                                                                                                                                                                                                                                                                                                                                       |            | -                                          |                |                     |       |              |                        |
|                    | Intel UHD Graphics 620                                                                                                                                                                                                                                                                                                                                                       |            | NVIDIA® GeForce® MX 250 (2GB GDDR5 memory) |                |                     |       |              |                        |
|                    |                                                                                                                                                                                                                                                                                                                                                                              |            | NVIDIA GeForce GTX 1650 (4GB GDDR5 memory) |                |                     |       |              |                        |
|                    | supports external digital monitor via HDMI;<br>supports dual independent display;<br>Max resolution: 3840x2160@30Hz (HDMI)                                                                                                                                                                                                                                                   |            |                                            |                |                     |       |              |                        |
| Chipset            | Intel SoC (System on Chip) platform                                                                                                                                                                                                                                                                                                                                          |            |                                            |                |                     |       |              |                        |
| Memory             | 12GB max offering / 2400MHz DDR4,<br>4GB memory soldered to systemboard, one DDR4 SO-DIMM socket                                                                                                                                                                                                                                                                             |            |                                            |                |                     |       |              |                        |
| Display            | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>15.6" (396mm) FHD (1920x1080), IPS, anti-glare or glossy, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut</li><li>15.6" (396mm) FHD (1920x1080), IPS, anti-glare or glossy, LED backlight, 300 nits, 16:9 aspect ratio, 72% gamut</li></ul>                                  |            |                                            |                |                     |       |              |                        |
| Multi-touch        | None                                                                                                                                                                                                                                                                                                                                                                         |            |                                            |                |                     |       |              |                        |
| Storage            | <i>Up to 2 drives (one HDD, one M.2 SSD / Optane Memory):</i> <ul style="list-style-type: none"><li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, 5400rpm</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>                                   |            |                                            |                |                     |       |              |                        |
| Optane Memory      | Optional 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2                                                                                                                                                                                                                                                                                                     |            |                                            |                |                     |       |              |                        |
| Optical            | None                                                                                                                                                                                                                                                                                                                                                                         |            |                                            |                |                     |       |              |                        |
| Ethernet           | None                                                                                                                                                                                                                                                                                                                                                                         |            |                                            |                |                     |       |              |                        |
| 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                                                                                                                                                                                                                                                                                                        |            |                                            |                |                     |       |              |                        |
| Media reader Ports | 4-in-1 media reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1, HDMI 1.4b (non-GTX model) or HDMI 2.0 (GTX model),<br>4-in-1 media reader (MMC, SD, SDHC, SDXC),<br>AC power adapter jack, headphone / microphone combo jack<br><i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> |            |                                            |                |                     |       |              |                        |
| Dimensions         | <i>Non-GTX model:</i><br><i>WxDxH:</i> 14.1" x 9.6" x 0.67"~0.68"; 358mm x 245mm x 16.95~17.15mm<br><i>GTX model:</i><br><i>WxDxH:</i> 14.1" x 9.6" x 0.74"~0.75"; 358mm x 245mm x 18.95~19.10mm                                                                                                                                                                             |            |                                            |                |                     |       |              |                        |
| Weight             | <i>Display bezel plastic model:</i> 3.97 lb / 1.8 kg<br><i>Display bezel glass model:</i> 4.3 lb / 1.95 kg                                                                                                                                                                                                                                                                   |            |                                            |                |                     |       |              |                        |
| Case color         | Abyss blue, copper or mineral grey                                                                                                                                                                                                                                                                                                                                           |            |                                            |                |                     |       |              |                        |
| Case material      | <i>Display cover:</i> Aluminum<br><i>Display bezel:</i> PC/ABS plastic or glass (glossy model)<br><i>Bottom:</i> Aluminum                                                                                                                                                                                                                                                    |            |                                            |                |                     |       |              |                        |
| Camera             | HD720p, 1.0MP resolution, with privacy shutter, fixed focus                                                                                                                                                                                                                                                                                                                  |            |                                            |                |                     |       |              |                        |
| Audio support      | HD Audio, Dolby Audio™ Speaker System, stereo speakers, 2W x 2, dual array microphone, headphone / microphone combo jack                                                                                                                                                                                                                                                     |            |                                            |                |                     |       |              |                        |
| Keyboard           | 6-row, multimedia Fn keys, numeric keypad, LED backlight                                                                                                                                                                                                                                                                                                                     |            |                                            |                |                     |       |              |                        |
| Touchpad           | Buttonless glass surface multi-touch touchpad                                                                                                                                                                                                                                                                                                                                |            |                                            |                |                     |       |              |                        |
| Security           | Power-on password, hard-disk password, supervisor password                                                                                                                                                                                                                                                                                                                   |            |                                            |                |                     |       |              |                        |
| Security chip      | Firmware TPM 2.0 integrated in chipset                                                                                                                                                                                                                                                                                                                                       |            |                                            |                |                     |       |              |                        |
| Fingerprint reader | Touch style match on chip fingerprint reader on the keyboard bezel                                                                                                                                                                                                                                                                                                           |            |                                            |                |                     |       |              |                        |
| Battery            | Integrated Li-ion 52.5Wh or 70Wh battery                                                                                                                                                                                                                                                                                                                                     |            |                                            |                |                     |       |              |                        |
| Max battery life   | <i>MobileMark® 2014:</i> 12 hr (52.5Wh) or 15 hr (70Wh)<br><i>* Battery life varies significantly with settings, usage, &amp; other factors</i>                                                                                                                                                                                                                              |            |                                            |                |                     |       |              |                        |
| AC adapter         | 65W round tip AC adapter, supports rapid charge (1 hour 80%)                                                                                                                                                                                                                                                                                                                 |            |                                            |                |                     |       |              |                        |
| Preload            | <i>Preloaded operating system</i> <ul style="list-style-type: none"><li>Windows® 10 Home 64</li><li>Windows 10 Home S</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 2019</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>                                                                                                                                                                                             |            |                                            |                |                     |       |              |                        |
| Environment        | ENERGY STAR® 7.0; ErP lot3; RoHS-compliant                                                                                                                                                                                                                                                                                                                                   |            |                                            |                |                     |       |              |                        |

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

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April 2019

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