

ideapad S540-15IWL 81SW002AGE

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Product
ideapad S540-15IWL GTX

Region
WE

Country
Germany

Machine Type
81SW

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

Graphics
NVIDIA GeForce GTX 1650 4GB GDDR5

Chipset
Intel SoC Platform

Memory
4GB Soldered + 8GB DIMM DDR4-2400

Display
15.6" FHD (1920x1080) IPS 300nits 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
Mineral Grey

Camera
720p

Microphone
Dual Array

Keyboard
Backlit

Fingerprint Reader
Fingerprint Reader

TPM
FW TPM 2.0

Battery
Integrated 70Wh

Power Adapter
90W Round Tip

Operating System
None

Bundled Software
None

Warranty
2-year, Depot

EAN / UPC
193386982371

Announce Date
2019-06-12

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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ideapad S540-15IWL Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor								Media reader Ports	4-in-1 media reader (MMC, SD, SDHC, SDXC) 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), 4-in-1 media reader (MMC, SD, SDHC, SDXC), AC power adapter jack, headphone / microphone combo jack <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
	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)						Dimensions	<i>Non-GTX model:</i> <i>WxDxH:</i> 14.1" x 9.6" x 0.67"~0.68"; 358mm x 245mm x 16.95~17.15mm <i>GTX model:</i> <i>WxDxH:</i> 14.1" x 9.6" x 0.74"~0.75"; 358mm x 245mm x 18.95~19.10mm <i>Display bezel plastic model:</i> 3.97 lb / 1.8 kg <i>Display bezel glass model:</i> 4.3 lb / 1.95 kg <i>Weight</i> <i>Display cover:</i> Aluminum <i>Display bezel:</i> PC/ABS plastic or glass (glossy model) <i>Bottom:</i> Aluminum	
	Intel UHD Graphics 620		-								Weight
	Intel UHD Graphics 620		NVIDIA® GeForce® MX 250 (2GB GDDR5 memory)								
			NVIDIA GeForce GTX 1650 (4GB GDDR5 memory)								
	supports external digital monitor via HDMI; supports dual independent display; Max resolution: 3840x2160@30Hz (HDMI)										
Chipset	Intel SoC (System on Chip) platform								Camera	HD720p, 1.0MP resolution, with privacy shutter, fixed focus	
Memory	12GB max offering / 2400MHz DDR4, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket								Audio support	HD Audio, Dolby Audio™ Speaker System, stereo speakers, 2W x 2, dual array microphone, headphone / microphone combo jack	
Display	<i>One of the following, configurable by model:</i> 15.6" (396mm) FHD (1920x1080), IPS, anti-glare or glossy, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut 15.6" (396mm) FHD (1920x1080), IPS, anti-glare or glossy, LED backlight, 300 nits, 16:9 aspect ratio, 72% gamut								Keyboard	6-row, multimedia Fn keys, numeric keypad, LED backlight	
Multi-touch	None								Touchpad	Buttonless glass surface multi-touch touchpad	
Storage	<i>Up to 2 drives (one HDD, one M.2 SSD / Optane Memory):</i> - HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, 5400rpm - M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxGB SSD M.2 2242 PCIe NVMe) - M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 2280 PCIe NVMe)								Security	Power-on password, hard-disk password, supervisor password	
Optane Memory	Optional 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2								Security chip	Firmware TPM 2.0 integrated in chipset	
Optical	None								Fingerprint reader	Touch style match on chip fingerprint reader on the keyboard bezel	
Ethernet	None								Battery	Integrated Li-ion 52.5Wh or 70Wh battery	
WLAN	<i>One of the following, configurable by model:</i> 802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card 802.11ac 2x2 Wi-Fi + Bluetooth 4.2, M.2 Card								Max battery life	<i>MobileMark® 2014:</i> 12 hr (52.5Wh) or 15 hr (70Wh) <i>* Battery life varies significantly with settings, usage, & other factors</i>	
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter								AC adapter	65W round tip AC adapter, supports rapid charge (1 hour 80%)	
									Preload	<i>Preloaded operating system</i> - Windows® 10 Home 64 - Windows 10 Home S <i>Preloaded applications (only some listed)</i> - Microsoft Office Trial (with 30-day license) - Microsoft Office 2019	
									Limited warranty	<i>One of the following, configurable by model:</i> 1-year depot repair service 2-year/1-yr battery depot repair service	
									Environment	ENERGY STAR® 7.0; ErP lot3; RoHS-compliant	

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

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