ideapad S540-15IWL Platform Specifications

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	-	
	NVIDIA® GeForce® MX250 (2GB GDDR5 memory)	

supports external digital monitor via HDMI;
supports dual independent display;
Max resolution: 3840x2160@30Hz (HDMI)

Chipset	Intel SoC (System on Chip) platform
Memory	12GB max / 2400MHz DDR4, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket

Display
One of the following, configurable by model:
- 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

Multi-touch None

Storage
Up to 2 drives (one HDD and one M.2 SSD):
- HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, 5400rpm
- M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s
- M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s

Optane Memory Optional 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2
Optical *(optional)* External DVD burner, 9.5mm high

Ethernet None

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

Dimensions *WxDxH:* 14.1" x 9.6" x 0.67"~0.68";   358mm x 245mm x 16.95~17.15mm
Weight *Display bezel plastic model:* 3.97 lb / 1.8 kg
Display bezel glass model: 4.3 lb / 1.95 kg

Case color Abyss blue, copper or mineral grey
Case material *Display cover:* Aluminum
Display bezel: PC/ABS plastic or glass (glossy model)
Bottom: Aluminum

Media reader	4-in-1 media reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1, HDMI 1.4b, 4-in-1 media reader (MMC, SD, SDHC, SDXC), AC power adapter jack, headphone / microphone combo jack ** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

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 fingerprint reader on the palm rest

Battery	Integrated Li-ion 52.5Wh or 70Wh battery, supports rapid charge (1 hour 80%)
Max battery life	*MobileMark® 2014:* 12 hr *(52.5Wh)* or 15 hr *(70Wh)* ** Battery life varies significantly with settings, usage, & other factors*
AC adapter	65W round tip AC adapter

Preload *(optional)* Preloaded operating system
- Windows® 10 Home 64
- Windows 10 Home in S mode
- Windows 10 Pro 64
- Windows 10 Pro in S mode

Preloaded applications (only some listed)
- Microsoft Office Trial (with 30-day license)
- Microsoft Office Home and Student 2019
- Microsoft Office Home and Business 2019
- Microsoft Office 365 Home
- Microsoft Office 365 Personal
- Microsoft Office Professional 2019
- Microsoft Office Personal 2019

Limited warranty *One of the following, configurable by model:*
- 1-year depot repair service
- 2-year/1-yr battery depot repair service

Environment ENERGY STAR® 7.1; ErP lot3; RoHS-compliant

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