



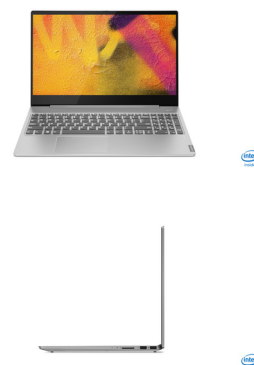
Lenovo IdeaPad S540-15IWL Intel® Core™ i7 i7-8565U Laptop 39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 512 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Home Grey

Brand : Lenovo

Product family: IdeaPad

Product code: 81NE00AJMB

Product name : ideapad S540-15IWL



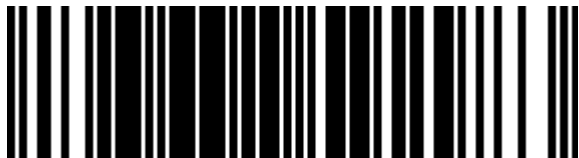
- Windows 10 Home 64-bit
- Intel Core i7-8565U (8MB Cache, 1.8GHz)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS
- 8GB (2400MHz) DDR4-SDRAM & 512GB SSD

Intel Core i7-8565U (8MB Cache, 1.8GHz), 8GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel UHD Graphics 620, WLAN, Bluetooth, Webcam, Windows 10 Home 64-bit
Lenovo IdeaPad S540-15IWL. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-8565U, Processor frequency: 1,8 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 10 Home. Product colour: Grey

Design		Ports & interfaces	
Colour name	Mineral grey	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Product type *	Laptop	HDMI ports quantity *	1
Product colour *	Grey	HDMI version	1.4b
Form factor *	Clamshell	Combo headphone/mic port	✓
Display		USB Sleep-and-Charge	✓
Display diagonal *	39,6 cm (15.6")	USB Sleep-and-Charge ports	1
Display resolution *	1920 x 1080 pixels	Performance	
Touchscreen *	✗	Motherboard chipset	Intel SoC
HD type	Full HD	Keyboard	
Panel type	IPS	Pointing device	Touchpad
LED backlight	✓	Numeric keypad *	✓
Native aspect ratio	16:9	Keyboard backlit	✓
Display surface	Gloss	Windows keys	✓
Display brightness	300 cd/m²	Software	
Dual-screen	✗	Operating system architecture	64-bit
Processor		Operating system installed *	Windows 10 Home
Processor manufacturer *	Intel	Processor special features	
Processor family *	Intel® Core™ i7	Intel® My WiFi Technology (Intel® MWT)	✓
Processor generation	8th gen Intel® Core™ i7	Intel® Smart Response Technology	✓
Processor model *	i7-8565U	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	8	Intel® Turbo Boost Technology	2.0
Processor boost frequency	4,6 GHz	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	1,8 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
System bus rate	4 GT/s	Intel Clear Video Technology	✓
Processor cache	8 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Processor socket	BGA 1528	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography	14 nm	Intel Trusted Execution Technology	✗
Processor operating modes	64-bit		
Processor codename	Whiskey Lake		
Bus type	OPI		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	10 W		

Processor		Processor special features	
Configurable TDP-down frequency	0,8 GHz	Intel Enhanced Halt State	✓
Tjunction	100 °C	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum number of PCI Express lanes	16	Intel® Secure Key	✓
PCI Express slots version	3.0	Intel TSX-NI	✗
PCI Express configurations	1x4, 2x2	Intel® OS Guard	✓
Memory		Intel Software Guard Extensions (Intel SGX)	✓
Internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory type	DDR4-SDRAM	Intel 64	✓
Memory clock speed	2400 MHz	Execute Disable Bit	✓
Memory form factor	On-board + SO-DIMM	Idle States	✓
Memory slots	1x SO-DIMM	Thermal Monitoring Technologies	✓
Maximum internal memory *	12 GB	Processor package size	46x24 mm
Storage		Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Total storage capacity *	512 GB	CPU configuration (max)	1
Storage media *	SSD	Embedded options available	✗
Total SSDs capacity	512 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of SSDs installed	1	Intel Identity Protection Technology version	1,00
SSD capacity	512 GB	Intel Smart Response Technology version	1,00
Optical drive type *	✗	Intel Secure Key Technology version	1,00
Card reader integrated	✓	Intel TSX-NI version	0,00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Virtualization Technology (VT-x)	✓
Graphics		Processor ARK ID	149091
Discrete graphics card model *	Not available	Battery	
On-board graphics card *	✓	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card *	✗	Battery capacity *	70 Wh
On-board graphics card family	Intel® UHD Graphics	Battery life (max)	15 h
On-board graphics card model *	Intel® UHD Graphics	Fast charging	✓
On-board graphics card base frequency	300 MHz	Power	
On-board graphics card dynamic frequency (max)	1150 MHz	AC adapter power	65 W
Maximum on-board graphics card memory	32 GB	AC adapter frequency	50 - 60 Hz
On-board graphics card DirectX version	12.0	AC adapter input voltage	100 - 240 V
On-board graphics card OpenGL version	4.5	DC-in jack	✓
On-board graphics card ID	0x3EA0	Security	
Audio		Fingerprint reader	✓
Audio system	Dolby Audio	Trusted Platform Module (TPM)	✓
Number of built-in speakers	2	Password protection	✓
Speaker power	2 W	Password protection type	HDD, Power on, Supervisor
Built-in microphone	✓	Certificates	
Number of microphones	2	Compliance certificates	RoHS
Camera		Sustainability	
Front camera	✓	Sustainability certificates	ENERGY STAR
Front camera resolution (numeric)	1 MP	Weight & dimensions	
Front camera signal format	720p	Width	358 mm
Front camera HD type	HD	Depth	245 mm
Network		Height (front)	1,7 cm
Wi-Fi	✓	Height (rear)	1,72 cm
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Weight *	1,95 kg
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Packaging content	
Antenna type	2x2	AC adapter included *	✓
Ethernet LAN	✗		
Bluetooth	✓		

Network		Packaging content	
Bluetooth version	4.2	Manual	✓
WWAN	Not installed	Warranty card	✓
Ports & interfaces		Power cord included	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Other features	
		3D	✗



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Catalog Object Cloud



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