Lenovo

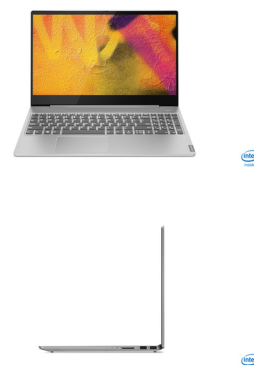# Lenovo IdeaPad S540-15IWL Intel® Core™ i7 i7-8565U Laptop 39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 512 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Home Grey

Brand : Lenovo   **Product family:** IdeaPad   **Product code:** 81NE00AJMB
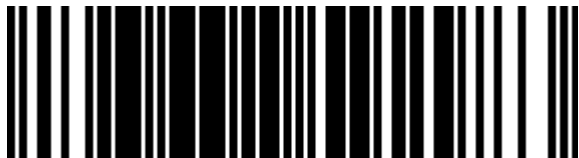
Product name : ideapad
S540-15IWL

- 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

Colour name	Mineral grey
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell

Display

Display diagonal *	39,6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✘
HD type	Full HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Display surface	Gloss
Display brightness	300 cd/m²
Dual-screen	✘

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	8th gen Intel® Core™ i7
Processor model *	i7-8565U
Processor cores	4
Processor threads	8
Processor boost frequency	4,6 GHz
Processor frequency *	1,8 GHz
System bus rate	4 GT/s
Processor cache	8 MB
Processor cache type	Smart Cache
Processor socket	BGA 1528
Processor lithography	14 nm
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

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
HDMI ports quantity *	1
HDMI version	1.4b
Combo headphone/mic port	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	1

Performance

Motherboard chipset	Intel SoC

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 10 Home

Processor special features

Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Smart Response Technology	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✘

Processor

Configurable TDP-down frequency	0,8 GHz
Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x4, 2x2

Memory

Internal memory *	8 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2400 MHz
Memory form factor	On-board + SO-DIMM
Memory slots	1x SO-DIMM
Maximum internal memory *	12 GB

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Total kapasitas SSD	512 GB
Number of SSDs installed	1
Solid-state drive capacity	512 GB
Optical drive type *	✗
Card reader integrated	✔
Compatible memory cards	MMC, SD, SDHC, SDXC

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete graphics card *	✗
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics
On-board graphics card base frequency	300 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Maximum on-board graphics card memory	32 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x3EA0

Audio

Audio system	Dolby Audio
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution (numeric)	1 MP
Front camera signal format	720p
Front camera HD type	HD

Network

Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Antenna type	2x2
Ethernet LAN	✗
Bluetooth	✔

Processor special features

Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✗
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	46x24 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
CPU configuration (max)	1
Embedded options available	✗
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1,00
Intel Smart Response Technology version	1,00
Intel Secure Key Technology version	1,00
Intel TSX-NI version	0,00
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	149091

Battery

Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	70 Wh
Battery life (max)	15 h
Fast charging	✔

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
DC-in jack	✔

Security

Fingerprint reader	✔
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	HDD, Power on, Supervisor

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width	358 mm
Depth	245 mm
Height (front)	1,7 cm
Height (rear)	1,72 cm
Weight *	1,95 kg

Packaging content

AC adapter included *	✔

Network	
Bluetooth version	4.2
WWAN	Not installed

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2

Packaging content	
Manual	✔
Warranty card	✔
Power cord included	✔

Other features

3D	✘

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