

## 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 $^{\text{TM}}$  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 Product type * Product colour * Form factor *	Mineral grey Laptop Grey Clamshell	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * HDMI ports quantity * HDMI version	1 1 1.4b
Display		Combo headphone/mic port	✓
Display diagonal * Display resolution *	39,6 cm (15.6") 1920 x 1080 pixels	USB Sleep-and-Charge USB Sleep-and-Charge ports	1
Touchscreen *	×	Performance	
HD type	Full HD	Motherboard chipset	Intel SoC
Panel type	IPS	Keyboard	
LED backlight	✓	Pointing device	Touchpad
Native aspect ratio	16:9	Numeric keypad *	•
Display surface	Gloss	Keyboard backlit	/
Display brightness	300 cd/m²	Windows keys	1
Dual-screen	×	Software	
Processor			CA hit
Processor manufacturer *	Intel	Operating system architecture Operating system installed *	64-bit Windows 10 Home
Processor family *	Intel® Core™ i7	. 5,	Wildows to Home
Processor generation	8th gen Intel® Core™ i7	Processor special features	
Processor model *	i7-8565U	Intel® My WiFi Technology (Intel® MWT)	✓
Processor cores	4 8	Intel® Smart Response Technology	1
Processor threads Processor boost frequency	8 4,6 GHz	Intel® Identity Protection	•
Processor frequency *	1,8 GHz	Technology (Intel® IPT)	1
System bus rate	4 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache	8 MB	Intel® Turbo Boost Technology	2.0
Processor cache type Processor socket	Smart Cache BGA 1528	Enhanced Intel SpeedStep	1
Processor lithography	14 nm	Technology	
Processor operating modes	64-bit	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor codename	Whiskey Lake	Intel Clear Video Technology	/
Bus type	OPI	Intel® Quick Sync Video Technology	<b>√</b>
Thermal Design Power (TDP)	15 W	Intel Flex Memory Access	1
Configurable TDP-up frequency	2 GHz	Intel® AES New Instructions (Intel®	
Configurable TDP-up	25 W	AES-NI)	<b>✓</b>
Configurable TDP-down	10 W	Intel Trusted Execution Technology	×

Configurable TDP down frequency				
	Processor		Processor special features	
Maximum number of PCI Express         16         Tables (EPP)         Vales (EPP)<	Configurable TDP-down frequency	0,8 GHz	Intel Enhanced Halt State	✓
James	Tjunction	100 °C		<b>✓</b>
PC Express solds version   3.0   Internal memory   Internal memo	•	16		
Momery		3.0	Intel® Secure Key	<b>✓</b>
Internal memony	•		Intel TSX-NI	×
Internal memory   S	, ,	174, 272	Intel® OS Guard	✓
Intel® (Clear Video Technology for Mobile Internet)	•			<b>✓</b>
Memory cities speed   2400 MHz	•			
Memory slots         On-board 4 SO-DIMM         Intel 64         V           Memory slots         1x SO-DIMM         Feecute Disable Bit         V           Storage         Ide States         V           Storage         Thermal Monitoring Technologies         V           Total storage capacity*         512 GB         Processor package size         40x24 mm           Storage media*         SSD         Supported instruction sets         AVX 2.0, SSE4.1, SSE4.2           Total Storage capacity*         512 GB         CPU configuration (max)         1           SSD capacity         512 GB         CPU configuration (max)         1           SSD capacity         512 GB         Embedded options available         X           Card reader integrated         V         Intel Identity Protection Technology of Protected (In (VT-d))         1,00           Compatition         MMC, SD, SDHC, SDXC         Intel Identity Protection Technology         1,00           Storage princs card model**         Not available         Intel Secure Key Technology version         1,00           Discrete graphics card model**         Not available         Intel Secure Key Technology version         1,00           Discrete graphics card oned!*         Not available         Intel Secure Key Technology version         1,00				<b>✓</b>
Memory sints         1x SO-DIMM         Interest         Amount interest         Interest         Amount interest         AMX 2.0, SSE4.1, SSE4.2	•		for MID)	
Maximum internal memory   12 GB   Execute Disable Bit	-		Intel 64	✓
Ide States	-		Execute Disable Bit	✓
The mail Monitaring Technologies	,	12 05	Idle States	<b>✓</b>
Storage media * SSD Processor package size 46x24 mm According to the processor package size 40x24 mm According to the processor package	Storage		Thermal Monitoring Technologies	<b>✓</b>
Total SSDs capacity Number of SSDs installed SDC pancity SDC panci	Total storage capacity *		Processor package size	46x24 mm
Total SSDs capacity	Storage media *		' '	
Number of SSUs installed 1	• •		• •	1
Intel Virtualization Technology for Directed (10 (VT-d) (10 (VT-d)) (10 (VT-				x
Directed (10 (VI-d)   Card reader integrated				1
Compatible memory cards MMC, SD, SDHC, SDXC version intel Smart Response Technology version 1,00  Discrete graphics card model * Not available intel Secure Key Technology version 0,00  Discrete graphics card * ✓ intel TSX-NI version 0,00  Discrete graphics card * ✓ intel TSX-NI version 0,00  Discrete graphics card * ✓ intel TSX-NI version 0,00  Discrete graphics card maily intel® UHD Graphics intel® UHD Graphics Processor ARK ID 149091  On-board graphics card model * Intel® UHD Graphics Processor ARK ID 149091  Don-board graphics card base frequency 1150 MHz 150 MHz			· · ·	•
Graphics         version         1.00           Discrete graphics card wolel woll be one-board graphics card woll be one-board graphics card woll will be	Card reader integrated  Compatible memory cards			1,00
On-board graphics card *	Graphics			1,00
Discrete graphics card " X Intel Virtualization Technology (VT X) On-board graphics card family Intel® UHD Graphics Processor ARK ID 149091 On-board graphics card model Intel® UHD Graphics Processor ARK ID 149091 On-board graphics card base frequency 300 MHz 8attery technology Lithium-Ion (Li-Ion) On-board graphics card dynamic frequency (max) 150 MHz 8attery capacity 70 Wh 8attery (capacity 70 Wh 9attery 9atte	Discrete graphics card model *	Not available	Intel Secure Key Technology version	1,00
No-board graphics card family On-board graphics card base frequency On-board graphics card wodel* On-board graphics card base frequency On-board graphics card base frequency On-board graphics card base frequency On-board graphics card dynamic frequency (max) Maximum on-board graphics card dynamic frequency (max) Maximum on-board graphics card DirectX wersion On-board graphics card DirectX version On-board graphics card DirectX version On-board graphics card DirectX version On-board graphics card ID  No-board graphics card ID  No-board graphics card DirectX version On-board graphics card DirectX version On-board graphics card ID  No-board graphics card ID  No-board graphics card DirectX version On-board graphics card DirectX version On-board graphics card ID  No-board graphics card ID  No-board graphics card DirectX version On-board graphics card DirectX version On-board graphics card ID  No-board graphics card ID  No-board graphics card DirectX version On-board graphics card ID  No-board graphics card DirectX version On-board graphics card ID  No-board graphics card DirectX version On-board graphics card ID  No-board graphics card DirectX version On-board graphics card DirectX version On-board graphics card ID  No-board graphics card DirectX  12.0  No-board graphic	On-board graphics card *	✓	Intel TSX-NI version	0,00
On-board graphics card model * Intel® UHD Graphics   Processor ARK ID   149091   On-board graphics card model * Intel® UHD Graphics   Battery   On-board graphics card doase   300 MHz   Battery technology   Lithium-Ion (Li-Ion)   On-board graphics card dynamic   1500 MHz   Battery technology   Lithium-Ion (Li-Ion)   On-board graphics card dynamic   1500 MHz   Battery technology   Lithium-Ion (Li-Ion)   On-board graphics card dynamic   1500 MHz   Battery technology   Lithium-Ion (Li-Ion)   On-board graphics card DirectX   12.0   Power   Version   On-board graphics card OpenGL   Version   Ver	Discrete graphics card *	×		<b>✓</b>
On-board graphics card base frequency On-board graphics card base frequency On-board graphics card base frequency On-board graphics card dynamic frequency (max) Maximum on-board graphics card memory On-board graphics card DirectX version On-board graphics card ID  On-bo	On-board graphics card family	Intel® UHD Graphics		
frequency against a second graphics and dynamic frequency (max)   Maximum on-board graphics card memory   12.0   Power    On-board graphics card DirectX version   12.0   AC adapter power   AC adapter frequency   50 - 60 Hz    On-board graphics card ID   0.7    On-board graphics card ID   0.7    On-board graphics card ID   0.8    On-board graphics card ID   0.9	On-board graphics card model *	Intel® UHD Graphics	Processor ARK ID	149091
On-board graphics card dynamic frequency (max)  Maximum on-board graphics card memory  On-board graphics card DirectX version  On-board graphics card OpenGL version  On-board graphics card ID  On-board graphics card ID  On-board graphics card ID  On-board graphics card ID  On-board graphics card OpenGL version  On-board graphics card ID  Ox3EA0  AC adapter power  AC adapter input voltage  DC-in jack  OC-in jack	On-board graphics card base frequency	300 MHz	•	Lithium-lon (Li-lon)
Frequency (max) Maximum on-board graphics card memory On-board graphics card DirectX version On-board graphics card OpenGL version On-board graphics card ID On-boa	On-board graphics card dynamic	1150 MHz		, ,
Maximum on-board graphics card memory On-board graphics card DirectX version On-board graphics card OpenGL version On-board graphics card OpenGL version On-board graphics card ID On-240 V On-board graphics card ID On-240 V On-board graphics card ID On-240 V On-	frequency (max)	1130 MHZ		
On-board graphics card DirectX version On-board graphics card OpenGL version On-board graphics card OpenGL version On-board graphics card OpenGL version On-board graphics card ID Ox3EAO AC adapter frequency On-board graphics card ID Ox3EAO AC adapter input voltage DC-in jack  ✓  Audio  Audio Audio Security  Number of built-in speakers 2 W Fingerprint reader Speaker power 2 W Trusted Platform Module (TPM) ✓ Password protection Version	<b>5</b> .	32 GB		
On-board graphics card OpenGL version On-board graphics card ID Ox3EAO AC adapter frequency On-board graphics card ID Ox3EAO Act adapter input voltage Ocin jack  Combard graphics card ID Ox3EAO Act adapter input voltage Ocin jack  Comparison  Com	On-board graphics card DirectX	12.0	Power	
version       4-5       AC adapter frequency       50 - 60 Hz         On-board graphics card ID       0x3EA0       AC adapter input voltage       100 - 240 V         Audio       DC-in jack       ✓         Audio system       Dolby Audio       Security         Number of built-in speakers       2       Fingerprint reader       ✓         Speaker power       2 W       Trusted Platform Module (TPM)       ✓         Built-in microphone       ✓       Password protection       ✓         Number of microphones       2       Password protection type       HDD, Power on, Supervisor         Camera       Certificates       RoHS         Front camera       ✓       Compliance certificates       RoHS         Front camera signal format       720p       Sustainability       ENERGY STAR         Front camera HD type       HD       Sustainability certificates       ENERGY STAR         Network       Wießt & dimensions         Wi-Fi       V       Width       358 mm         Depth       245 mm       Height (front)       1,7 cm         Hiejht (rear)       1,72 cm       Height (rear)       1,72 cm         Antenna type       2x2       Weight *       1,95 kg			AC adapter power	65 W
Audio system Dolby Audio Security  Number of built-in speakers 2 Fingerprint reader	<b>5</b>	4.5	AC adapter frequency	50 - 60 Hz
Audio system Audio system Audio system Number of built-in speakers 2 Fingerprint reader Number of built-in speakers 2 W Fingerprint reader Fingerprint reader V Speaker power 2 W Trusted Platform Module (TPM) V Password protection V Password protection V Password protection type WDD, Power on, Supervisor V Camera  Front camera Front camera resolution (numeric) 1 MP Front camera signal format 7 20p Front camera HD type HD  Network  Wi-Fi Top Wi-Fi standard * Wi-Fi 5 (802.11ac) Wi-Fi standards Antenna type 2 x2  Ethernet LAN  W Fackaging content  Pascaging content  V Fackaging content  Pascaging content  Pascaging content  Pascaging content  Pascaging content  According to the supervisor  According to the supervisor  Finger print reader Finger print	On-board graphics card ID	0x3EA0	AC adapter input voltage	100 - 240 V
Audio system  Number of built-in speakers  2 W  Speaker power  Built-in microphone  V  Number of microphones  2 W  Rumber of microphones  2 W  Rumber of microphones  2 W  Rumber of microphones  2 Resword protection  Password protection type  HDD, Power on, Supervisor  Certificates  Front camera  Front camera resolution (numeric)  I MP  Sustainability  Front camera signal format  Front camera signal format  Front camera HD type  HD  Network  Wi-Fi  Top Wi-Fi standard*  Wi-Fi 5 (802.11ac)  Wi-Fi standards  Mi-Fi 5 (802.11b, 802.11b, 802.11c)  Wiejht (802.11n), Wi-Fi 5 (802.11ac)  Material Sustainability  Packaging content  Weight (Front)  Height (rear)  1,72 cm  1,95 kg  Hatter tables  Packaging content			DC-in jack	✓
Number of built-in speakers 2 W Trusted Platform Module (TPM)    Speaker power 2 W Trusted Platform Module (TPM)    Built-in microphone    Number of microphones 2 Password protection    Number of microphones 2 Password protection type    HDD, Power on, Supervisor    Camera    Front camera    Front camera resolution (numeric)    Front camera signal format    Front camera signal format    Front camera HD type    HD    Sustainability    Sustainability certificates    ENERGY STAR     Network    Weight & dimensions    Wi-Fi    Top Wi-Fi standard * Wi-Fi 5 (802.11ac)    Wi-Fi standards    Wi-Fi 5 (802.11b, 802.11g, Wi-Fi 4 (802.11ac)    Wi-Fi standards    Antenna type    Ethernet LAN    Fingerprint reader    Fingerprint reader    Fingerprint reader    Frusted Platform Module (TPM)    Fassword protection type    HDD, Power on, Supervisor    Supervisor    Weight Substance    Fingerprint reader    Finger pint reader    Finger		Dolby Audio	Security	
Speaker power 2 W Trusted Platform Module (TPM)    Built-in microphone    Number of microphones 2 Password protection    Number of microphones 2 Password protection type    Camera    Front camera    Front camera    Front camera resolution (numeric)    Front camera signal format    Front camera signal format    Front camera HD type    HD    Sustainability    Sustainability certificates    Network    Weight & dimensions    Width	•		,	1
Built-in microphone	•		<b>.</b>	
Number of microphones 2 Password protection type HDD, Power on, Supervisor  Camera Certificates Front camera Front camera resolution (numeric) Front camera signal format Front camera signal format Front camera HD type HD Sustainability Sustainability Sustainability Front camera HD type  Network Wi-Fi Top Wi-Fi standard * Wi-Fi 5 (802.11ac) Wi-Fi standards Antenna type Ethernet LAN  Packaging content  Password protection type HDD, Power on, Supervisor  Compliance certificates RoHS  RoHS  Sustainability Sustainability Width Sustainability Sustainability Front camera HD type  Weight & dimensions Width Depth Height (front) Height (front) Height (front) Height (rear) He	•			
Camera  Front camera Front camera resolution (numeric) Front camera signal format Front camera HD type Front camera HD type  Network  Wi-Fi Top Wi-Fi standard* Wi-Fi 5 (802.11ac) Wi-Fi standards Antenna type Ethernet LAN  X  Certificates  Compliance certificates  Sustainability Sustainability Sustainability certificates  ENERGY STAR  Width Depth Height (front) Height (front) Height (rear) Wiefht (802.11n), Wi-Fi 5 (802.11ac) Weight * Weight * Weight * Weight (front) Height (rear) Weight (rear) Height	•		•	
Front camera Front camera resolution (numeric) Front camera signal format Front camera HD type Front camera HD type  Network  Wi-Fi Top Wi-Fi standard* Wi-Fi standards  Mi-Fi standards  Antenna type Ethernet LAN  Weight & Government (Suzzaina)  Compliance certificates  RoHS  Sustainability Sustainability certificates ENERGY STAR  Weight & dimensions  Width  358 mm  Depth Height (front) Height (front) Height (front) Height (rear) 1,72 cm Weight * Weight * Network  Weight * Packaging content	·		, , , , , , , , , , , , , , , , , , , ,	טטח, Power on, Supervisor
Front camera resolution (numeric) Front camera signal format Front camera HD type  HD  Sustainability  Sustainability  Sustainability  Sustainability  Front camera HD type  HD  Weight & dimensions  Width  Depth  Top Wi-Fi standard *  Wi-Fi 5 (802.11ac)  Wi-Fi standards  Wi-Fi 5 (802.11ac)  Wi-Fi standards  Antenna type  2x2  Ethernet LAN  Packaging content			Certificates	
Front camera signal format Front camera HD type HD  Sustainability	Front camera		Compliance certificates	RoHS
Front camera signal format Front camera signal format Front camera HD type  HD  Sustainability certificates  ENERGY STAR  Weight & dimensions  Wi-Fi  Wi-Fi  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)  Height (front) Height (rear) Height (rear) Height (rear) Weight *  Packaging content			Sustainability	
Network         Weight & dimensions           Wi-Fi         ✓         Width         358 mm           Top Wi-Fi standard *         Wi-Fi 5 (802.11ac)         Depth         245 mm           Wi-Fi standards         802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11ac)         Height (front)         1,7 cm           Antenna type         2x2         Weight *         1,95 kg           Ethernet LAN         X         Packaging content	•	•	•	ENERGY STAR
Wi-Fi         ✓         Width         358 mm           Top Wi-Fi standard *         Wi-Fi 5 (802.11ac)         Depth         245 mm           Wi-Fi standards         802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11ac)         Height (front)         1,7 cm           Antenna type         2x2         Weight *         1,95 kg           Ethernet LAN         X         Packaging content		טוז		
Wi-Fi       Wi-Fi 5 (802.11ac)       Depth       245 mm         Top Wi-Fi standard*       802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11ac)       Height (front)       1,7 cm         Antenna type       2x2       Weight *       1,72 cm         Ethernet LAN       X       Packaging content			•	358 mm
Top Wi-Fi standard *       Wi-Fi 5 (802.11ac)       Height (front)       1,7 cm         Wi-Fi standards       802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11ac)       Height (front)       1,72 cm         Antenna type       2x2       Weight *       1,95 kg         Ethernet LAN       X       Packaging content				
Wi-Fi standards       802.11a, 802.11g, Wi-Fi 4 (802.11ac)       Height (rear)       1,72 cm         Antenna type       2x2       Weight *       1,95 kg         Ethernet LAN       X       Packaging content	lop Wi-Fi standard *		•	
Ethernet LAN X Packaging content	Wi-Fi standards		Height (rear)	1,72 cm
	Antenna type	2x2	J	1,95 kg
Bluetooth ✓ AC adapter included * ✓	Ethernet LAN	×	Packaging content	
	Bluetooth	✓	AC adapter included *	✓

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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