



**Lenovo IdeaPad S145-15IWL Intel® Core™ i7 i7-8565U 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 512 GB SSD NVIDIA® GeForce® MX110 Wi-Fi 5 (802.11ac) Windows 10 Home**



Brand: Lenovo

Model: IdeaPad

SKU: 81MV01GLTX

Product ID: ideapad S145-15IWL

IdeaPad S145-15IWL. Processor: Intel® Core™ i7, Processor Speed: i7-8565U, Processor Frequency: 1.8 GHz. Screen Size (Diagonal): 39.6 cm (15.6"), HD Resolution: Full HD (1920 x 1080). Memory: 8 GB, Memory Type: DDR4-SDRAM. Storage: 512 GB, Storage Type: SSD. Graphics: Intel® UHD Graphics. Operating System: Windows 10 Home. Weight: 1.8 kg



General		Connectivity	
Processor	Intel® Core™ i7	LAN	✗
Processor Speed	i7-8565U	Wi-Fi	✓
Processor Frequency	1.8 GHz	Bluetooth	4.2
Screen Size (Diagonal)	39.6 cm (15.6")	WWAN	✗
Screen Resolution	1920 x 1080	USB 2.0	1
Screen Type	Full HD TN	USB 3.2 Gen 1 (3.1 Gen 1) Type-A	2
Screen LED	✓	HDMI	1
Screen Aspect Ratio	16:9	HDMI Version	1.4b
Screen Brightness	220 cd/m²	Display	✓
Screen Refresh Rate	✗	Touchscreen	✗
Operating System	Windows 10 Home	Keyboard	✓
Processor Brand	Intel	Trackpoint	✗
Processor Model	Intel® Core™ i7	Mouse	✓
Processor Series	8th Gen Intel® Core™ i7	Webcam	✗
Processor Part Number	i7-8565U	Operating System	Windows 10 Home
Processor Cores	4	Operating System Version	Windows 10 Home
Processor Threads	8	Operating System License	Windows 10 Home
Processor Base Frequency	4.6 GHz	Operating System Features	Intel® My WiFi ✓
Processor Max Frequency	1.8 GHz	Operating System Features	Intel® Smart Response Technology (SRT) ✓
Processor Cache	4 GT/Cache	Operating System Features	Intel® Optane Memory ✓
Processor Memory	8 MB	Operating System Features	Intel® vPro ✓
Processor Memory Type	DDR4	Operating System Features	Intel® Turbo Boost Technology (2.0) ✓
Processor Memory Configuration	BGA 1528	Operating System Features	Intel® SpeedStep ✓
Processor Memory Technology	14 nm	Operating System Features	Intel® HD Graphics ✓
Processor Memory Architecture	64-bit	Operating System Features	Intel® Clear Video Technology ✓
Processor Codename	Whiskey Lake	Operating System Features	Intel® Quick Sync Video Technology (QSV) ✓
Processor OPI	OPI	Operating System Features	Intel® Flex Memory ✓
Processor TDP (TDP)	15 W	Operating System Features	Intel® vPro ✓
Processor TDP (TDP)	2 GHz	Operating System Features	Intel® vPro ✓
Processor TDP (TDP)	25 W	Operating System Features	Intel® vPro ✓
Processor TDP (TDP)	10 W	Operating System Features	Intel® vPro ✓
Processor TDP (TDP)	0.8 GHz	Operating System Features	Intel® vPro ✓

<p> <span> </span> </p>		<p> <span> </span> </p>	
<p> <span> </span> </p>	<p>           100 °C         </p>	<p>           Intel® <span> </span> </p>	<p> <span style="color: red;">✗</span> </p>
<p>           PCI Express <span> </span> </p>	<p>           16         </p>	<p>           Intel® <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p>           PCI Express <span> </span> </p>	<p>           3.0         </p>	<p>           Intel® VT-x <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p>           PCI Express <span> </span> </p>	<p>           1x4, 2x2         </p>	<p>           Intel® <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>		<p>           Intel® TSX-NI         </p>	<p> <span style="color: red;">✗</span> </p>
<p> <span> </span> </p>	<p>           8 GB         </p>	<p>           Intel® OS Guard <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p>           DDR4-SDRAM         </p>	<p>           Intel® Software Guard Extensions         </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p>           2400 MHz         </p>	<p> <span> </span> Intel® SGX <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p> <span> </span> + SO-DIMM <span> </span> </p>	<p> <span> </span> MID <span> </span> Intel® <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p>           1 x 4 GB         </p>	<p>           Intel® 64         </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p>           1x SO-DIMM         </p>	<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> (64-bit) *         </p>	<p>           12 GB         </p>	<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>		<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p>           512 GB         </p>	<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p>           SSD <span> </span> </p>	<p> <span> </span> </p>	<p>           46x24 mm         </p>
<p>           SSD <span> </span> </p>	<p>           512 GB         </p>	<p> <span> </span> </p>	<p>           AVX 2.0, SSE4.1, SSE4.2         </p>
<p> <span> </span> </p>	<p>           1         </p>	<p>           CPU <span> </span> ( <span> </span> )         </p>	<p>           1         </p>
<p> <span> </span> </p>	<p>           512 GB         </p>	<p> <span> </span> </p>	<p> <span style="color: red;">✗</span> </p>
<p> <span> </span> </p>	<p>           NVMe, PCI Express         </p>	<p>           Intel® <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p>           NVMe         </p>	<p> <span style="color: green;">✓</span> </p>	<p>           Intel® Identity Protection           Technology <span> </span> Intel® <span> </span> </p>	<p>           1.00         </p>
<p>           SSD <span> </span> </p>	<p>           M.2         </p>	<p>           Intel® <span> </span> </p>	<p>           1.00         </p>
<p> <span> </span> </p>	<p> <span style="color: red;">✗</span> </p>	<p>           Intel® Secure Key Technology           <span> </span> Intel® <span> </span> </p>	<p>           1.00         </p>
<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>	<p> <span> </span> Intel® <span> </span> </p>	<p>           0.00         </p>
<p> <span> </span> </p>	<p>           MMC, SD, SDHC, SDXC         </p>	<p>           Intel® TSX-NI <span> </span> </p>	<p>           0.00         </p>
<p> <span> </span> </p>		<p>           Intel® Virtualization Technology           (VT-x) <span> </span> Intel® <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p>           NVIDIA® GeForce® MX110         </p>	<p> <span> </span> ARK ID         </p>	<p>           149091         </p>
<p> <span> </span> </p>	<p>           2 GB         </p>	<p> <span> </span> </p>	
<p> <span> </span> </p>	<p>           GDDR5         </p>	<p> <span> </span> </p>	<p> <span> </span> Li-Ion <span> </span> </p>
<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>	<p> <span> </span> </p>	<p>           30 Wh         </p>
<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>	<p> <span> </span> </p>	<p>           5.5 <span> </span> </p>
<p> <span> </span> </p>	<p>           Intel® UHD Graphics         </p>	<p> <span> </span> </p>	
<p> <span> </span> </p>	<p>           Intel® UHD Graphics         </p>	<p> <span> </span> </p>	
<p> <span> </span> </p>	<p>           300 MHz         </p>	<p> <span> </span> </p>	<p>           65 W         </p>
<p> <span> </span> </p>	<p>           1150 MHz         </p>	<p>           DC - in <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p>           32 GB         </p>	<p> <span> </span> </p>	
<p> <span> </span> DirectX <span> </span> </p>	<p>           12.0         </p>	<p> <span> </span> </p>	<p> <span style="color: red;">✗</span> </p>
<p> <span> </span> OpenGL <span> </span> </p>	<p>           4.5         </p>	<p> <span> </span> TPM <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p>           0x3EA0         </p>	<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>		<p> <span> </span> </p>	<p>           HDD <span> </span> <span> </span> <span> </span> </p>
<p> <span> </span> </p>	<p> <span> </span> </p>	<p> <span> </span> </p>	<p> <span> </span> </p>
<p> <span> </span> </p>	<p>           2         </p>	<p> <span> </span> </p>	<p>           RoHS         </p>
<p> <span> </span> </p>	<p>           1.5 W         </p>	<p> <span> </span> </p>	<p>           ErP lot3         </p>
<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>	<p> <span> </span> </p>	
<p> <span> </span> </p>	<p>           1         </p>	<p> <span> </span> </p>	
<p> <span> </span> </p>		<p> <span> </span> </p>	<p> <span> </span> </p>
<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>	<p> <span> </span> </p>	<p> <span> </span> </p>
<p> <span> </span> </p>	<p>           0.3 MP         </p>	<p> <span> </span> </p>	<p>           362.2 mm         </p>
<p> <span> </span> </p>	<p> <span style="color: red;">✗</span> </p>	<p> <span> </span> </p>	<p>           251.5 mm         </p>
<p> <span> </span> </p>		<p> <span> </span> </p>	<p>           19.9 mm         </p>
<p> <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>	<p> <span> </span> </p>	<p>           1.85 kg         </p>
<p>           Wi-Fi <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>	<p> <span> </span> </p>	
<p>           Wi-Fi <span> </span> </p>	<p>           Wi-Fi 5 (802.11ac)         </p>	<p> <span> </span> AC <span> </span> </p>	<p> <span style="color: green;">✓</span> </p>
<p> <span> </span> </p>	<p>           802.11a, 802.11b, 802.11g, Wi-Fi 4           (802.11n), Wi-Fi 5 (802.11ac)         </p>	<p> <span> </span> </p>	
<p> <span> </span> </p>	<p> <span style="color: red;">✗</span> </p>	<p> <span> </span> </p>	
<p> <span> </span> </p>	<p>           1x1         </p>	<p> <span> </span> 3D         </p>	<p> <span style="color: red;">✗</span> </p>
<p> <span> </span> </p>	<p> <span> </span> </p>	<p> <span> </span> (64-bit)         </p>	<p>           12 GB         </p>

## Catalog Object Cloud



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