

ideapad S145-15IWL 81MV00FGUS

Product
ideapad S145-15IWL

Region
NA

Country/Region
USA

TopSeller
Not Applicable

Machine Type
81MV

Processor
Intel Celeron 4205U (2C / 2T, 1.8GHz, 2MB)

Graphics
Integrated Intel UHD Graphics 610

Chipset
Intel SoC Platform

Memory
4GB SO-DIMM DDR4-2133

Storage
128GB SSD 2.5" SATA6Gb/s

Optane Memory
None

Display
15.6" HD (1366x768) TN 220nits Anti-glare

Touchscreen
None

Optical
None

Media Reader
4-in-1 Card Reader

Ethernet
None

WLAN + Bluetooth
11ac, 1x1 + BT4.2

Case Material
PC / ABS

Camera
0.3MP

Microphone
Mono

Color
Platinum Grey, IMR

Keyboard
Non-backlit, English

Fingerprint Reader
None

TPM
FW TPM 2.0

Battery
Integrated 30Wh

Power Adapter
45W Round Tip

Operating System
Windows 10 Home 64, English

Bundled Software
Office Trial

Base Warranty
1-year, Mail-in

Bundled Service
None

EAN / UPC / JAN
193386859475

End of Support
2025-05-21

Announce Date
2019-04-21

Notes:

California Electronic Waste Recycling Fee

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>

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ideapad S145-15IWL Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® Processor, Intel Pentium® Processor or 8th Generation Intel Core™ i3 / i5 / i7 Processor								Dimensions	WxDxH: 14.26" x 9.9" x 0.78"; 362.2mm x 251.5mm x 19.9mm																																						
	<table border="1"> <thead> <tr> <th>Processor Number</th><th># of Cores</th><th># of Threads</th><th>Base Frequency</th><th>Max Turbo Frequency</th><th>Cache</th><th>Memory Types</th><th>Processor Graphics</th></tr> </thead> <tbody> <tr> <td>Celeron 4205U</td><td rowspan="2">2</td><td>2</td><td>1.8 GHz</td><td>-</td><td rowspan="2">2MB</td><td rowspan="2">DDR4-2133</td><td rowspan="2">Intel UHD Graphics 610</td></tr> <tr> <td>Pentium Gold 5405U</td><td>4</td><td>2.3 GHz</td><td>-</td></tr> <tr> <td>i3-8145U</td><td rowspan="3">4</td><td>2</td><td>2.1 GHz</td><td>3.9 GHz</td><td>4MB</td><td rowspan="35">DDR4-2400</td><td rowspan="35">Intel UHD Graphics 620</td></tr> <tr> <td>i5-8265U</td><td>4</td><td>1.6 GHz</td><td>3.9 GHz</td><td>6MB</td></tr> <tr> <td>i7-8565U</td><td>8</td><td>1.8 GHz</td><td>4.6 GHz</td><td>8MB</td></tr> </tbody> </table>								Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Celeron 4205U	2	2	1.8 GHz	-	2MB	DDR4-2133	Intel UHD Graphics 610	Pentium Gold 5405U	4	2.3 GHz	-	i3-8145U	4	2	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	i5-8265U	4	1.6 GHz	3.9 GHz	6MB	i7-8565U	8	1.8 GHz	4.6 GHz	8MB	Weight	4.1 lb / 1.85 kg
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i7-8565U		8	1.8 GHz	4.6 GHz	8MB																																											
									Case color	Granite black IMR, granite black texture, abyss blue IMR, dark orchid IMR or platinum grey IMR																																						
									Case material	PC/ABS plastic																																						
									Media reader Ports	4-in-1 media reader (MMC, SD, SDHC, SDXC) One USB 2.0, two USB 3.1 Gen 1, 4-in-1 media reader (MMC, SD, SDHC, SDXC), HDMI 1.4b, AC power adapter jack, headphone / microphone combo jack																																						
										* Depending on many factors, actual data transfer speed may be lower than theoretical speed																																						
									Camera	0.3MP, fixed focus, integrated monaural microphone																																						
									Audio support	HD Audio, Dolby Audio™, stereo speakers, 1.5W x 2, monaural microphone, headphone / microphone combo jack																																						
Graphics	Intel UHD Graphics 610 or 620 in processor only, or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® MX 110 (2GB GDDR5 memory); supports external digital monitor via HDMI; supports dual independent display; Max resolution: 4096x2160@24Hz (HDMI)								Keyboard	6-row, multimedia Fn keys, numeric keypad																																						
Chipset	Intel SoC (System on Chip) platform								Touchpad	Buttonless Mylar surface multi-touch touchpad																																						
Memory	8GB max or 12GB max / 2133MHz DDR4 (Celeron or Pentium model) or 2400MHz DDR4 (Core i3 / i5 / i7 model), optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket								Security	Power-on password, hard disk password, supervisor password																																						
									Security chip	Firmware TPM 2.0 integrated in chipset																																						
Display	<p><i>One of the following, configurable by model:</i></p> <ul style="list-style-type: none"> • 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio • 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio 								Fingerprint reader	None																																						
Multi-touch	None								Battery	Integrated Li-ion 30Wh or 35Wh battery																																						
Storage	<p><i>Up to 2 drives (one HDD and one M.2 SSD):</i></p> <ul style="list-style-type: none"> • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, 5400rpm • SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) • 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 • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4 								Max battery life	MobileMark®2014: 5.5 hr (30Wh) or 6 hr (35Wh)																																						
Optane Memory	<p><i>Optional:</i> 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2</p>									* Battery life varies significantly with settings, usage, & other factors																																						
Optical	None								AC adapter	45W or 65W round tip AC adapter																																						
Ethernet	None								Preload	<i>Preloaded operating system</i>																																						
WLAN	802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card									• Windows® 10 Home 64																																						
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter									• Windows 10 Home S																																						
										• Windows 10 Pro 64																																						
										<i>Preloaded applications (only some listed)</i>																																						
										• Microsoft Office Trial (with 30-day license)																																						
										• Microsoft Office 365 Personal																																						
										• Microsoft Office 365 Home																																						
										• Microsoft Office Home and Business 2019																																						
										• Microsoft Office Home and Student 2019																																						
										• Microsoft Office Professional 2019																																						
										• Microsoft Office Personal 2019																																						
									Limited warranty	<i>One of the following, configurable by model:</i>																																						
										• 1-year mail-in repair service																																						
										• 1-year depot repair service																																						
										• 2-year/1-yr battery depot repair service																																						
									Environment	ENERGY STAR® 7.0; ErP lot3; RoHS-compliant																																						

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

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March 2020

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