

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	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	4.1 lb / 1.85 kg
	Celeron 4205U	2	4	1.8 GHz	-	2MB	DDR4-2133	Intel UHD Graphics	Case color	Granite black IMR, granite black texture, abyss blue IMR, dark orchid IMR or platinum grey IMR
	Pentium Gold 5405U			2.3 GHz	-				Case material	PC/ABS plastic
	i3-8145U	4	8	2.1 GHz	3.9 GHz	4MB	DDR4-2400		Media reader	4-in-1 media reader (MMC, SD, SDHC, SDXC)
i5-8265U	1.6 GHz			3.9 GHz	6MB	Ports			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	
i7-8565U	1.8 GHz			4.6 GHz	8MB	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 in processor only, or Intel UHD Graphics 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	
Display	<i>One of the following, configurable by model:</i> <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 							Security chip	Firmware TPM 2.0 integrated in chipset	
Multi-touch	None							Fingerprint reader	None	
Storage	<i>Up to 2 drives (one HDD and one M.2 SSD):</i> <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 							Battery	Integrated Li-ion 30Wh or 35Wh battery	
Optane Memory	Optional: 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2							Max battery life	<i>MobileMark® 2014:</i> 5.5 hr (30Wh) or 6 hr (35Wh) <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>	
Optical	None							AC adapter	45W or 65W round tip AC adapter	
Ethernet	None							Preload	<i>Preloaded operating system</i> <ul style="list-style-type: none"> Windows® 10 Home 64 Windows 10 Home S Windows 10 Pro 64 <i>Preloaded applications (only some listed)</i> <ul style="list-style-type: none"> 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 	
WLAN	802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card							Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> 1-year mail-in repair service 1-year depot repair service 2-year/1-yr battery depot repair service 	
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter							Environment	ENERGY STAR® 7.0; ErP lot3; RoHS-compliant	

Note: The specifications above may not be available in all regions and might change by region.

Lenovo
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