ideapad S145-15IWL 81MV017MGE

Product
ideapad S145-15IWL

Region
WE

Country/Region
Germany

Machine Type
81MV

Processor
Intel Core i5-8265U (4C / 8T, 1.6 / 3.9GHz, 6MB)

Graphics
Integrated Intel UHD Graphics 620

Chipset
Intel SoC Platform

Memory
4GB Soldered + 4GB DIMM DDR4-2400

Storage
512GB SSD M.2 2280 PCIe NVMe

Optane Memory
None

Display
15.6" FHD (1920x1080) TN 220nits Anti-glare

Multi-touch
None

Optical
None

Media Reader
4-in-1

Ethernet
None

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

Case Material
PC / ABS

Camera
0.3MP

Microphone
Mono

Color
Granite Black, Texture

Keyboard
Non-backlit, German

Fingerprint Reader
None

TPM
FW TPM 2.0

Battery
Integrated 30Wh

Power Adapter
45W Round Tip

Operating System
Windows 10 Home 64, German

Bundled Software
Office Trial

Base Warranty
2-year, Depot

Bundled Service
None

EAN / UPC
194552344177

End of Support
2025-09-15

Announce Date
2019-08-15

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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

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			2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620
i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB		
i7-8565U			1.8 GHz	4.6 GHz	8MB		

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)

Chipset

Intel SoC (System on Chip) platform

Memory

12GB max offering / 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

Display

One of the following, configurable by model:

- 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

Multi-touch

None

Storage

Up to 2 drives (one HDD and one M.2 SSD):

- 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

Optane Memory

Optional: 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2

Optical

None

Ethernet

None

WLAN

802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card

Bluetooth™

Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Media reader

4-in-1 media reader (MMC, SD, SDHC, SDXC)

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

** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

Dimensions

WxDxH: 14.26" x 9.9" x 0.78"; 362.2mm x 251.5mm x 19.9mm

Weight

4.1 lb / 1.85 kg

Case color

Granite black IMR, granite black texture, abyss blue IMR, dark orchid IMR or platinum grey IMR

Case material

PC/ABS plastic

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

Keyboard

6-row, multimedia Fn keys, numeric keypad

Touchpad

Buttonless mylar surface multi-touch touchpad

Security

Power-on password, hard disk password, supervisor password

Security chip

Firmware TPM 2.0 integrated in chipset

Fingerprint reader

None

Battery

Integrated Li-ion 30Wh or 35Wh battery

Max battery life

MobileMark®2014: 5.5 hr (30Wh) or 6 hr (35Wh)

** Battery life varies significantly with settings, usage, & other factors*

AC adapter

45W or 65W round tip AC adapter

Preload

Preloaded operating system

- Windows® 10 Home 64
- Windows 10 Home S
- Windows 10 Pro 64

Preloaded applications (only some listed)

- Microsoft Office Trial (with 30-day license)
- Microsoft Office 365 Personal (with 1-year license)

Limited warranty

One of the following, configurable by model:

- 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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