ideapad S145-15IWL 81MV01DYGE

Product
ideapad S145-15IWL

Region
WE

Country/Region
Germany

Machine Type
81MV

Processor
Core i3-8145U (2C / 4T, 2.1 / 3.9GHz, 4MB)

Graphics
Integrated Intel UHD Graphics 620

Chipset
Intel SoC Platform

Memory
4GB Soldered + 4GB DIMM DDR4-2400

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

Multi-touch
None

Storage
16GB Optane Memory integrated with 256GB SSD M.2 2280

Optane Memory
16GB Optane Memory integrated with SSD

Optical
None

Media Reader
4-in-1

Ethernet
None

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

Color
Black, Texture

Camera
0.3MP

Microphone
Mono

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
194552739577

End of Support
2025-10-09

Announce Date
2019-09-09

Notes:

Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.

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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

Black IMR, black texture, abyss blue IMR, dark orchid IMR or 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 (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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