Lenovo

Lenovo IdeaPad S145 Laptop 39.6 cm (15.6") Full HD Intel® Core™ i3 i3-1005G1 4 GB DDR4-SDRAM 128 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Home in S mode Black

Brand : Lenovo **Product family:** IdeaPad **Product code:** 81W8004YUK

Product name : S145

- Intel Core i3-1005G1 (2C/4T, 1.2/3.4GHz, 4MB)
- 4GB DDR4-2666
- 128GB SSD M.2 2242 PCIe 3.0x2 NVMe
- Intel UHD Graphics
- Windows 10 Home in S mode

Intel Core i3-1005G1 (2C/4T, 1.2/3.4GHz, 4MB), 4GB DDR4-2666, 128GB SSD M.2 2242 PCIe 3.0x2 NVMe, 15.6" FHD (1920x1080) TN 220nits Anti-glare, Intel UHD Graphics, 11ac 1x1 + BT5.0, 0.3MP, Windows 10 Home in S mode

Lenovo IdeaPad S145 Laptop 39.6 cm (15.6") Full HD Intel® Core™ i3 i3-1005G1 4 GB DDR4-SDRAM 128 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Home in S mode Black:

Built to last
Engineered for long-lasting performance, the IdeaPad S145 delivers, powerful, smooth processing in a stylish, light design. Perfect for everyday computing, this durable 15.6" laptop boasts exceptional audio and has fast, secure storage options.

Design	
Colour name	Granite Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Acrylonitrile butadiene styrene (ABS)

Display	
Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✖
HD type	Full HD
LED backlight	✔
Native aspect ratio	16:9
Display brightness	220 cd/m²

Processor	
Processor manufacturer *	Intel
Processor generation	10th gen Intel® Core™ i3
Processor family *	Intel® Core™ i3
Processor model *	i3-1005G1
Processor frequency *	1.2 GHz
Processor boost frequency	3.4 GHz
Processor threads	4
System bus rate	4 GT/s
Processor cores	2
Processor cache	4 MB
Processor cache type	Smart Cache
Processor socket	BGA 1526
Processor lithography	10 nm
Processor operating modes	64-bit
Thermal Design Power (TDP)	15 W
Configurable TDP-down	13 W
Configurable TDP-down frequency	0.9 GHz
Tjunction	100 °C
PCI Express slots version	3.0

Camera	
Front camera resolution (numeric)	0.3 MP

Network	
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Mobile network connection *	✖
Antenna type	1x1
Ethernet LAN	✖
Bluetooth	✔
Bluetooth version	5.0

Ports & interfaces	
USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HDMI ports quantity *	1
HDMI version	1.4b
Combo headphone/mic port	✔
Charging port type	DC-in jack

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✔

Software	
Operating system installed *	Windows 10 Home in S mode

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® Quick Sync Video Technology	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✖
Intel VT-x with Extended Page Tables (EPT)	✔

Memory

Internal memory *	4 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2666 MHz
Memory form factor	On-board + SO-DIMM
Memory slots	1x SO-DIMM
Maximum internal memory *	12 GB

Storage

Total storage capacity *	128 GB
Storage media *	SSD
Total SSDs capacity	128 GB
Number of SSDs installed	1
SSD capacity	128 GB
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MMC, SD, SDHC, SDXC

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete graphics card *	✘
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics
On-board graphics card base frequency	300 MHz
On-board graphics card dynamic frequency (max)	900 MHz
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x8A56

Audio

Audio system	Dolby Audio
Number of built-in speakers	2
Speaker power	1.5 W
Built-in microphone	✔
Number of microphones	1

Camera

Front camera	✔

Processor special features

Intel® Secure Key	✔
Intel TSX-NI	✘
Intel Stable Image Platform Program (SIPP)	✘
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	50 x 25 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0, AVX-512
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	196588

Battery

Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	30 Wh
Battery life (max)	5.5 h

Power

AC adapter power	65 W

Security

Fingerprint reader	✘
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	HDD, Power on, Supervisor

Sustainability

Sustainability certificates	RoHS

Weight & dimensions

Width	362.2 mm
Depth	251.5 mm
Height	19.9 mm
Weight *	1.85 kg

0194632165272

194632165272