



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		Camera	
Colour name	Granite Black	Front camera resolution (numeric)	0.3 MP
Product type *	Laptop	Network	
Product colour *	Black	Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Form factor *	Clamshell	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Housing material	Acrylonitrile butadiene styrene (ABS)	Mobile network connection *	✗
Display		Antenna type	1x1
Display diagonal *	39.6 cm (15.6")	Ethernet LAN	✗
Display resolution *	1920 x 1080 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.0
HD type	Full HD	Ports & interfaces	
LED backlight	✓	USB 2.0 ports quantity *	1
Native aspect ratio	16:9	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display brightness	220 cd/m ²	HDMI ports quantity *	1
Processor		HDMI version	1.4b
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor generation	10th gen Intel® Core™ i3	Charging port type	DC-in jack
Processor family *	Intel® Core™ i3	Keyboard	
Processor model *	i3-1005G1	Pointing device	Touchpad
Processor frequency *	1.2 GHz	Numeric keypad *	✓
Processor boost frequency	3.4 GHz	Software	
Processor threads	4	Operating system installed *	Windows 10 Home in S mode
System bus rate	4 GT/s	Processor special features	
Processor cores	2	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache	4 MB	Intel® Turbo Boost Technology	2.0
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✓
Processor socket	BGA 1526	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography	10 nm	Intel Trusted Execution Technology	✗
Processor operating modes	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
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		

Memory		Processor special features	
Internal memory *	4 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✗
Memory clock speed	2666 MHz	Intel Stable Image Platform Program (SIPP)	✗
Memory form factor	On-board + SO-DIMM	Intel® OS Guard	✓
Memory slots	1x SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Maximum internal memory *	12 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	128 GB	Idle States	✓
Storage media *	SSD	Thermal Monitoring Technologies	✓
Total SSDs capacity	128 GB	Processor package size	50 x 25 mm
Number of SSDs installed	1	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0, AVX-512
SSD capacity	128 GB	CPU configuration (max)	1
Optical drive type *	✗	Embedded options available	✗
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Virtualization Technology (VT-x)	✓
Graphics		Processor ARK ID	196588
Discrete graphics card model *	Not available	Battery	
On-board graphics card *	✓	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card *	✗	Battery capacity *	30 Wh
On-board graphics card family	Intel® UHD Graphics	Battery life (max)	5.5 h
On-board graphics card model *	Intel® UHD Graphics	Power	
On-board graphics card base frequency	300 MHz	AC adapter power	65 W
On-board graphics card dynamic frequency (max)	900 MHz	Security	
On-board graphics card DirectX version	12.0	Fingerprint reader	✗
On-board graphics card OpenGL version	4.5	Trusted Platform Module (TPM)	✓
On-board graphics card ID	0x8A56	Password protection	✓
Audio		Password protection type	HDD, Power on, Supervisor
Audio system	Dolby Audio	Sustainability	
Number of built-in speakers	2	Sustainability certificates	RoHS
Speaker power	1.5 W	Weight & dimensions	
Built-in microphone	✓	Width	362.2 mm
Number of microphones	1	Depth	251.5 mm
Camera		Height	19.9 mm
Front camera	✓	Weight *	1.85 kg



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