



# Lenovo IdeaPad S145 Laptop 39.6 cm (15.6") HD Intel® Celeron® N N4000 4 GB DDR4-SDRAM 1 TB HDD Wi-Fi 5 (802.11ac) FreeDOS Black



**Brand :** Lenovo

**Product family:** IdeaPad

**Product code:** 81MX005JUE

**Product name :** S145

- Intel Celeron N4000 (2C/2T, 1.1/2.6GHz, 4MB)
- 1x 4GB SO-DIMM DDR4-2400
- 1TB HDD 5400rpm 2.5"
- Intel UHD Graphics 600
- FreeDOS

Intel Celeron N4000 (2C/2T, 1.1/2.6GHz, 4MB), 1x 4GB SO-DIMM DDR4-2400, 1TB HDD 5400rpm 2.5", 15.6" HD (1366x768) TN 220nits Anti-glare, Intel UHD Graphics 600, 11ac 1x1 + BT4.2, 0.3MP, FreeDOS

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## 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		Network	
Product type *	Laptop	Antenna type	1x1
Product colour *	Black	Ethernet LAN	✗
Form factor *	Clamshell	Bluetooth	✓
Housing material	Acrylonitrile butadiene styrene (ABS), Polycarbonate (PC)	Bluetooth version	4.2
		WWAN	Not installed
Display		Ports & interfaces	
Display diagonal *	39.6 cm (15.6")	USB 2.0 ports quantity *	1
Display resolution *	1366 x 768 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touchscreen *	✗	HDMI ports quantity *	1
HD type	HD	HDMI version	1.4b
Panel type	TN	Combo headphone/mic port	✓
LED backlight	✓	Charging port type	DC-in jack
Native aspect ratio	16:9		
Display brightness	220 cd/m <sup>2</sup>		
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor family *	Intel® Celeron® N	Numeric keypad *	✓
Processor model *	N4000	Keyboard backlit	✗
Processor frequency *	1.1 GHz		
Processor threads	4	Software	
Processor cores	2	Operating system installed *	FreeDOS
Processor cache	4 MB		
Processor cache type	L3	Processor special features	
Processor socket	BGA 1090	Intel® Anti-Theft Technology (Intel® AT)	✗
Processor lithography	14 nm	Intel® Smart Response Technology	✗
Processor operating modes	32-bit, 64-bit	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor codename	Gemini Lake	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Stepping	B0	Intel® Turbo Boost Technology	✗
Motherboard chipset	Intel SoC	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	6 W	Intel® Quick Sync Video Technology	✓
Scenario Design Power (SDP)	4.8 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Tjunction	105 °C	Intel Enhanced Halt State	✓
Maximum number of PCI Express lanes	6		
PCI Express slots version	2.0		

Processor		Processor special features	
PCI Express configurations	1x4+1x2, 2x1+1x2+1x2, 4x1	Intel VT-x with Extended Page Tables (EPT)	✓
<b>Memory</b>		Intel® Secure Key	✓
Internal memory *	4 GB	Intel® OS Guard	✓
Internal memory type	DDR4-SDRAM	Intel Software Guard Extensions (Intel SGX)	✓
Memory clock speed	2400 MHz	Intel 64	✓
Memory form factor	SO-DIMM	Execute Disable Bit	✓
Memory layout (slots x size)	1 x 4 GB	Idle States	✓
Memory slots	1x SO-DIMM	Thermal Monitoring Technologies	✓
Maximum internal memory *	8 GB	Processor package size	25 x 24 mm
<b>Storage</b>		Processor code	SR3RZ
Total storage capacity *	1 TB	CPU configuration (max)	1
Storage media *	HDD	Embedded options available	✗
Total HDDs capacity	1 TB	UART	✓
Number of HDDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD capacity	1 TB	Intel Identity Protection Technology version	1.00
HDD speed	5400 RPM	Intel Smart Response Technology version	0.00
HDD size	2.5"	Intel Secure Key Technology version	1.00
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✓	Processor ARK ID	128990
Compatible memory cards	MMC, SD, SDHC, SDXC	Conflict-Free processor	✓
<b>Graphics</b>		<b>Battery</b>	
Discrete graphics card model *	Not available	Battery technology	Lithium Polymer (LiPo)
On-board graphics card *	✓	Battery capacity *	30 Wh
On-board GPU manufacturer	Intel	Battery life (max)	5.5 h
Discrete graphics card *	✗	<b>Power</b>	
On-board graphics card model *	Intel® UHD Graphics 600	AC adapter power	45 W
On-board graphics card base frequency	200 MHz	<b>Security</b>	
On-board graphics card burst frequency	750 MHz	Fingerprint reader	✗
On-board graphics card dynamic frequency (max)	750 MHz	Trusted Platform Module (TPM)	✓
Maximum on-board graphics card memory	8 GB	Password protection	✓
Number of execution units	18	Password protection type	HDD, Power on, Supervisor
On-board graphics card DirectX version	12.0	<b>Certificates</b>	
On-board graphics card ID	0x3184	Certification	ErP lot3
<b>Audio</b>		<b>Sustainability</b>	
Audio system	Dolby Audio	Sustainability certificates	RoHS, ENERGY STAR
Number of built-in speakers	2	<b>Weight &amp; dimensions</b>	
Speaker power	1.5 W	Width	362.2 mm
Built-in microphone	✓	Depth	251.5 mm
Number of microphones	1	Height	19.9 mm
<b>Camera</b>		Weight *	1.85 kg
Front camera	✓		
Front camera resolution (numeric)	0.3 MP		
<b>Network</b>			
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 *	✗		



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