



Lenovo IdeaPad 320 Intel® Core™ i5 i5-7200U Laptop 43.9 cm (17.3") 8 GB DDR4-SDRAM 1.13 TB HDD+SSD NVIDIA® GeForce® 940MX Windows 10 Home Black



Brand : Lenovo

Product family: IdeaPad

Product code: 80XM00GNRK

Product name : 320

Intel Core i5-7200U (2.50 GHz), 8GB RAM, 1000GB HDD + 128GB SSD, 43.942 cm (17.3 ") LED, Intel HD Graphics 620 + GeForce 940MX, WLAN, Bluetooth, Windows 10 Home
Lenovo IdeaPad 320. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-7200U, Processor frequency: 2.5 GHz. Display diagonal: 43.9 cm (17.3"). Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1.13 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® HD Graphics 620, Discrete graphics card model: NVIDIA® GeForce® 940MX. Operating system installed: Windows 10 Home. Product colour: Black. Weight: 2.8 kg

Design		Ports & interfaces	
Product type *	Laptop	Combo headphone/mic port	✓
Product colour *	Black	Keyboard	
Form factor *	Clamshell	Pointing device	Touchpad
Housing material	Acrylonitrile butadiene styrene (ABS)	Numeric keypad *	✓
Display		Full-size keyboard	✓
Display diagonal *	43.9 cm (17.3")	Windows keys	✓
Touchscreen *	✗	Software	
LED backlight	✓	Operating system architecture	64-bit
Native aspect ratio	16:9	Operating system installed *	Windows 10 Home
Screen shape	Flat	Processor special features	
Processor		Intel® Wireless Display (Intel® WiDi)	✓
Processor manufacturer *	Intel	Intel® My WiFi Technology (Intel® MWT)	✓
Processor family *	Intel® Core™ i5	Intel® Smart Response Technology	✓
Processor generation	7th gen Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor model *	i5-7200U	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores	2	Intel® Turbo Boost Technology	2.0
Processor threads	4	Intel® Small Business Advantage (Intel® SBA)	✓
Processor boost frequency	3.1 GHz	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	2.5 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
System bus rate	4 GT/s	Intel Clear Video Technology	✓
Processor cache	3 MB	Intel® InTru™ 3D Technology	✓
Processor cache type	Smart Cache	Intel® Insider™	✓
Processor socket	BGA 1356	Intel® Quick Sync Video Technology	✓
Processor lithography	14 nm	Intel Flex Memory Access	✓
Processor operating modes	64-bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor codename	Kaby Lake	Intel Trusted Execution Technology	✗
Bus type	OPI	Intel Enhanced Halt State	✓
Stepping	H0	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2.7 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	7.5 W		
Configurable TDP-down frequency	0.8 GHz		
Tjunction	100 °C		
Maximum number of PCI Express lanes	12		

Processor		Processor special features	
PCI Express slots version	3.0	Intel® Secure Key	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel TSX-NI	✗
ECC supported by processor	✗	Intel Stable Image Platform Program (SIPP)	✗
Memory		Intel® OS Guard	✓
Internal memory *	8 GB	Intel Software Guard Extensions (Intel SGX)	✓
Internal memory type	DDR4-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Memory clock speed	2133 MHz	Intel 64	✓
Memory form factor	On-board + SO-DIMM	Execute Disable Bit	✓
Memory slots	1x SO-DIMM	Idle States	✓
Maximum internal memory *	16 GB	Thermal Monitoring Technologies	✓
Storage		Processor package size	42 x 24 mm
Total storage capacity *	1.13 TB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage media *	HDD+SSD	Processor code	SR2ZU
Number of HDDs installed	1	CPU configuration (max)	1
HDD capacity	1 TB	Embedded options available	✗
HDD interface	SATA III	Graphics & IMC lithography	14 nm
HDD size	2.5"	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of SSDs installed	1	Intel Identity Protection Technology version	1.00
SSD capacity	128 GB	Intel Smart Response Technology version	1.00
Card reader integrated	✓	Intel Stable Image Platform Program (SIPP) version	0.00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Secure Key Technology version	1.00
Graphics		Intel TSX-NI version	0.00
Discrete graphics card model *	NVIDIA® GeForce® 940MX	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	2 GB	Processor ARK ID	95443
On-board graphics card *	✓	Conflict-Free processor	✓
Discrete graphics card *	✓	Battery	
On-board graphics card family	Intel® HD Graphics	Battery technology	Lithium Polymer (LiPo)
On-board graphics card model *	Intel® HD Graphics 620	Number of battery cells	2
On-board graphics card base frequency	300 MHz	Battery life (max)	6 h
On-board graphics card dynamic frequency (max)	1000 MHz	Power	
Maximum on-board graphics card memory	32 GB	AC adapter frequency	50 - 60 Hz
On-board graphics card DirectX version	12.0	AC adapter input voltage	100 - 240 V
On-board graphics card OpenGL version	4.4	DC-in jack	✓
On-board graphics card ID	0x5916	Security	
Number of discrete graphics cards supported	1	Cable lock slot	✓
Number of discrete graphics cards installed	1	Trusted Platform Module (TPM)	✗
Audio		Password protection	✓
Audio system	Dolby Audio	Password protection type	HDD, Power on, Supervisor
Number of built-in speakers	2	Certificates	
Speaker power	1.5 W	Compliance certificates	RoHS
Built-in microphone	✓	Sustainability	
Camera		Sustainability certificates	EPEAT Silver, ENERGY STAR
Front camera	✓	Weight & dimensions	
Front camera resolution (numeric)	0.3 MP	Width	418 mm
Network		Depth	292.6 mm
Wi-Fi	✓	Height	24.9 mm
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight *	2.8 kg
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		

Network		Packaging content	
Bluetooth version	4.1	AC adapter included *	✓
Ports & interfaces		Manual	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Quick start guide	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Power cord included	✓
Ethernet LAN (RJ-45) ports	1	Other features	
HDMI ports quantity *	1	3D	✗
HDMI version	1.4b	Maximum internal memory (64-bit)	16 GB
DVI port	✗		
Microphone in	✗		

Catalog Object Cloud



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