



Lenovo IdeaPad 320 Intel® Core™ i3 i3-7100U Computer portatile 43,9 cm (17.3") HD+ 6 GB DDR4-SDRAM 1 TB HDD Windows 10 Home Grigio

Marchio : Lenovo

Famiglia del prodotto:
IdeaPad

Codice prodotto:
80XM0001US

Nome del prodotto : 320

Intel Core i3-7100U (2.40 GHz) , 6GB RAM, 1000GB HDD, 43.942 cm (17.3 ") HD+ 1600 x 900, WLAN, Bluetooth, Windows 10 Home 64-bit

Lenovo IdeaPad 320. Tipo di prodotto: Computer portatile, Fattore di forma: Clamshell. Famiglia processore: Intel® Core™ i3, Modello del processore: i3-7100U, Frequenza del processore: 2,4 GHz. Dimensioni diagonale schermo: 43,9 cm (17.3"), Tipologia HD: HD+, Risoluzione del display: 1600 x 900 Pixel. RAM installata: 6 GB, Tipo di RAM: DDR4-SDRAM. Capacità totale di archiviazione: 1 TB, Supporto di memoria: HDD, Tipo drive ottico: DVD±RW. Sistema operativo incluso: Windows 10 Home. Colore del prodotto: Grigio



Design		Keyboard	
Product type *	Laptop	Full-size keyboard	✓
Product colour *	Grey	Windows keys	✓
Form factor *	Clamshell	Software	
Housing material	Acrylonitrile butadiene styrene (ABS)	Operating system architecture	64-bit
Display		Operating system installed *	Windows 10 Home
Display diagonal *	43.9 cm (17.3")	Processor special features	
Display resolution *	1600 x 900 pixels	Intel® Wireless Display (Intel® WiDi)	✓
Touchscreen *	✗	Intel® My WiFi Technology (Intel® MWT)	✓
HD type	HD+	Intel® Smart Response Technology	✓
LED backlight	✓	Intel® Identity Protection Technology (Intel® IPT)	✓
Native aspect ratio	16:9	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Display surface	Matt	Intel® Turbo Boost Technology	✗
Screen shape	Flat	Intel® Small Business Advantage (Intel® SBA)	✓
Processor		Enhanced Intel SpeedStep Technology	✓
Processor manufacturer *	Intel	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor family *	Intel® Core™ i3	Intel Clear Video Technology	✓
Processor generation	7th gen Intel® Core™ i3	Intel® InTru™ 3D Technology	✓
Processor model *	i3-7100U	Intel® Insider™	✓
Processor cores	2	Intel® Quick Sync Video Technology	✓
Processor threads	4	Intel Flex Memory Access	✓
Processor frequency *	2.4 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
System bus rate	4 GT/s	Intel Trusted Execution Technology	✗
Processor cache	3 MB	Intel Enhanced Halt State	✓
Processor cache type	Smart Cache	Intel VT-x with Extended Page Tables (EPT)	✓
Processor socket	BGA 1356	Intel® Secure Key	✓
Processor lithography	14 nm	Intel TSX-NI	✗
Processor operating modes	64-bit	Intel Stable Image Platform Program (SIPP)	✗
Processor codename	Kaby Lake		
Bus type	OPI		
Stepping	H0		
Thermal Design Power (TDP)	15 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® OS Guard	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Software Guard Extensions (Intel SGX)	✓
ECC supported by processor	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Memory		Intel 64	✓
Internal memory *	6 GB	Execute Disable Bit	✓
Internal memory type	DDR4-SDRAM	Idle States	✓
Memory clock speed	2133 MHz	Thermal Monitoring Technologies	✓
Memory form factor	On-board + SO-DIMM	Processor package size	42 x 24 mm
Memory slots	1x SO-DIMM	Supported instruction sets	AVX 2.0, SSE4.2
Maximum internal memory *	20 GB	Processor code	SR2ZW
Storage		CPU configuration (max)	1
Total storage capacity *	1 TB	Embedded options available	✓
Storage media *	HDD	Graphics & IMC lithography	14 nm
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 interface	SATA III	Intel Smart Response Technology version	1.00
HDD size	2.5"	Intel Stable Image Platform Program (SIPP) version	0.00
Optical drive type *	DVD±RW	Intel Secure Key Technology version	1.00
Card reader integrated	✓	Intel TSX-NI version	0.00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Virtualization Technology (VT-x)	✓
Graphics		Processor ARK ID	95442
Discrete graphics card model *	Not available	Conflict-Free processor	✓
On-board graphics card *	✓	Battery	
Discrete graphics card *	✗	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 capacity *	30 Wh
On-board graphics card dynamic frequency (max)	1000 MHz	Battery life (max)	5 h
Maximum on-board graphics card memory	32 GB	Power	
On-board graphics card DirectX version	12.0	AC adapter frequency	50 - 60 Hz
On-board graphics card OpenGL version	4.4	AC adapter input voltage	100 - 240 V
On-board graphics card ID	0x5916	DC-in jack	✓
Audio		Security	
Audio system	Dolby Audio	Fingerprint reader	✗
Number of built-in speakers	2	Trusted Platform Module (TPM)	✗
Speaker power	1.5 W	Password protection	✓
Built-in microphone	✓	Password protection type	HDD, Power on, Supervisor
Camera		Certificates	
Front camera	✓	Compliance certificates	RoHS
Front camera resolution (numeric)	0.3 MP	Sustainability	
Network		Sustainability certificates	ENERGY STAR
Wi-Fi	✓	Weight & dimensions	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Width	418 mm
Ethernet LAN	✓	Depth	292.6 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height	24.9 mm
Bluetooth	✓	Weight *	2.8 kg
Bluetooth version	4.1	Packaging content	
Ports & interfaces		AC adapter included *	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Manual	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Quick start guide	✓
Ethernet LAN (RJ-45) ports	1		

Ports & interfaces		Packaging content	
HDMI ports quantity *	1	Power cord included	✓
HDMI version	1.4b	Other features	
DVI port	✗	Maximum internal memory (64-bit) 16 GB	
Microphone in	✗		
Combo headphone/mic port	✓		
Docking connector	✗		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✓		

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