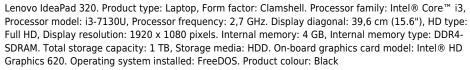
Lenovo IdeaPad 320 Intel® Core™ i3 i3-7130U Laptop 39,6 cm (15.6") Full HD 4 GB DDR4-SDRAM 1 TB HDD NVIDIA® GeForce® 940MX FreeDOS Black



Brand : Lenovo Product family: IdeaPad Product code: 80XL03P3VN

Product name: 320

Intel Core i3-7130U (2.7GHz, Cache 3MB, 2 Cores), 15.6" Full HD (1920 x 1080), 4GB DDR4, 1000GB HDD, Intel HD Graphics 620 + NVIDIA GeForce 940MX (2GB, GDDR5), WLAN 802.11ac , Bluetooth 4.1, DOS





Design		Ports & interfaces	
Product type *	Laptop	HDMI ports quantity *	1
Product colour *	Black	Combo headphone/mic port	✓
Form factor *	Clamshell	Keyboard	
Display		Pointing device	Touchpad
Display diagonal *	39.6 cm (15.6")	Numeric keypad *	✓
Display resolution *	1920 x 1080 pixels	Windows keys	<i>y</i>
Touchscreen *	×	,	•
HD type	Full HD	Software	
Panel type	IPS	Operating system installed *	FreeDOS
LED backlight	✓	Processor special features	
Native aspect ratio	16:9	Intel® My WiFi Technology (Intel®	/
Display brightness	200 cd/m ²	MWT)	•
Processor		Intel® Smart Response Technology	✓
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor family *	Intel® Core™ i3	Intel® Hyper Threading Technology	,
Processor generation	7th gen Intel® Core™ i3	(Intel® HT Technology)	•
Processor model *	i3-7130U	Intel® Turbo Boost Technology	×
Processor cores	2	Enhanced Intel SpeedStep	1
Processor threads	4	Technology	
Processor frequency *	2.7 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
System bus rate Processor cache	4 GT/s 3 MB	Intel Clear Video Technology	1
Processor cache type	Smart Cache	Intel® InTru™ 3D Technology	J
Processor lithography	14 nm	Intel® Quick Sync Video Technology	
Processor operating modes	64-bit		v
Processor codename	Kaby Lake	Intel Flex Memory Access	•
Bus type	OPI	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	15 W	Intel Trusted Execution Technology	×
Configurable TDP-down	7.5 W	Intel Enhanced Halt State	1
Configurable TDP-down frequency	0.8 GHz	Intel VT-x with Extended Page	-
Tjunction	100 °C	Tables (EPT)	1
Maximum number of PCI Express lanes	12	Intel® Secure Key	✓
PCI Express slots version	3.0	Intel TSX-NI	×
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Stable Image Platform Program (SIPP)	×
CPU multiplier (bus/core ratio)	1	Intel® OS Guard	√
ECC supported by processor	×	intere O3 Guaru	•

Memory		Processor special features	
Internal memory *	4 GB	Intel Software Guard Extensions	✓
Internal memory type	DDR4-SDRAM	(Intel SGX) Intel® Clear Video Technology for	
Memory slots Maximum internal memory *	1x SO-DIMM 16 GB	Mobile Internet Devices (Intel CVT for MID)	✓
Storage		Intel 64	✓
Total storage capacity *	1 TB	Execute Disable Bit	✓
Storage media *	HDD	Idle States	✓
Number of HDDs installed	1	Thermal Monitoring Technologies	✓
HDD capacity	1 TB	Processor package size	42 X 24 mm
HDD interface	SATA III	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
HDD size	2.5"	CPU configuration (max)	1
Card reader integrated	MMC CD CDITC CDVC	Intel Virtualization Technology for	✓
Compatible memory cards	MMC, SD, SDHC, SDXC	Directed I/O (VT-d) Intel Identity Protection Technology	
Graphics		version	1.00
Discrete graphics card model * Discrete graphics card memory	NVIDIA® GeForce® 940MX 2 GB	Intel Smart Response Technology version	1.00
Discrete graphics memory type On-board graphics card *	GDDR5 ✓	Intel Stable Image Platform Program (SIPP) version	0.00
Discrete graphics card *	v	Intel Secure Key Technology version	1.00
On-board graphics card family	Intel® HD Graphics	Intel TSX-NI version	0.00
On-board graphics card model *	Intel® HD Graphics 620	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base	·	Processor ARK ID	124977
frequency	300 MHz	Conflict-Free processor	✓
On-board graphics card dynamic frequency (max)	1000 MHz	Battery	
Maximum on-board graphics card memory	32 GB	Battery technology Number of battery cells	Lithium Polymer (LiPo) 2
On-board graphics card DirectX version	12.0	Power	2
On-board graphics card OpenGL version	4.4	DC-in jack	✓
On-board graphics card ID	0x5916	Security	
Audio		Cable lock slot	✓
Audio system	Dolby Audio	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
Network		Sustainability	
		Sustainability certificates	EPEAT Silver, ENERGY STAR
Wi-Fi	✓ Wi Fi F (902 1126)	•	ELENT SINCE, ENERGY STAIN
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Weight & dimensions	270
Ethernet LAN	<i>'</i>	Width	378 mm
Bluetooth Bluetooth version	4.1	Depth Height	260 mm 22.9 mm
	4.1	Weight *	2.2 kg
Ports & interfaces		Packaging content	<u> </u>
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		1
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	AC adapter included * Manual	✓
Ethernet LAN (RJ-45) ports	1	Other features	
		3D	×
		Maximum internal memory (64-bit)	

