



Lenovo V320 Intel® Core™ i3 i3-7020U Laptop 43,9 cm (17.3") Full HD 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Home Grijs

Merk : Lenovo

Artikelcode: 81CN001JMX

Productnaam : V320

Lenovo V320. Producttype: Laptop, Vormfactor: Clamshell. Processorfamilie: Intel® Core™ i3, Processormodel: i3-7020U, Frequentie van processor: 2,3 GHz. Beeldscherm diagonaal: 43,9 cm (17.3"), HD type: Full HD, Resolutie: 1920 x 1080 Pixels. Intern geheugen: 8 GB, Intern geheugentype: DDR4-SDRAM. Totale opslagcapaciteit: 256 GB, Opslagmedia: SSD, Soort optische drive: DVD±RW. Inclusief besturingssysteem: Windows 10 Home. Kleur van het product: Grijs



Design		Poorten & interfaces	
Kleurnaam	Iron Grey	Aantal Ethernet LAN (RJ-45)-poorten	1
Producttype *	Laptop	Aantal HDMI-poorten *	1
Kleur van het product *	Grijs	Combo koptelefoon/microfoon port	✓
Vormfactor *	Clamshell	Toetsenbord	
Materiaal behuizing	Acrylonitriëlbutoadieenstyreen (ABS)	Aanwijsapparaat	Touchpad
Markt positionering	Bedrijf	Numeriek toetsenblok *	✓
Beeldscherm		Windows-toetsen	✓
Beeldscherm diagonaal *	43,9 cm (17.3")	Software	
Resolutie *	1920 x 1080 Pixels	Architectuur besturingssysteem	64-bit
Touchscreen *	✗	Meegeleverde drivers	✓
HD type	Full HD	Trial-software	McAfee LiveSafe
Soort paneel	IPS	Inclusief besturingssysteem *	Windows 10 Home
LED backlight	✓	Processor speciale functies	
Oorspronkelijke beeldverhouding	16:9	Intel My WiFi Technology	✓
Beeldoppervlakte	Mat	Intel® Smart Response Technology	✓
Helderheid	300 cd/m²	Intel Identity Protection Technology	✓
Processor		Intel Hyper-Threading Technology	✓
Processorfabrikant *	Intel	Intel® Turbo Boost Technology	✗
Processorfamilie *	Intel® Core™ i3	Enhanced Intel SpeedStep Technology	✓
Processorgeneratie	Zevende generatie Intel® Core™ i3	Intel Clear Video HD Technology	✓
Processormodel *	i3-7020U	Intel® Clear Video-technologie	✓
Aantal processorkernen	2	Intel® InTru™ 3D Technology	✓
Processor aantal threads	4	Intel® Quick Sync Video Technology	✓
Frequentie van processor *	2,3 GHz	Intel Flex Memory Access	✓
Systeembus	4 GT/s	Intel AES New Instructions	✓
Processor cache	3 MB	Intel Trusted Execution Technology	✗
Type processorgeheugen	Smart Cache	Intel Enhanced Halt State	✓
Processor socket	BGA 1356	Intel VT-x with Extended Page Tables (EPT)	✓
Processor lithografie	14 nm	Intel Secure Key	✓
Processor operating modes	64-bit	Intel TSX-NI	✗
Codenaam processor	Kaby Lake		
Bus type	OPI		
Thermal Design Power (TDP)	15 W		
Tjunction	100 °C		
Maximaal aantal PCI Express-lijnen	12		

Processor		Processor speciale functies	
PCI Express slots versie	3.0	Intel Stable Image Platform Program (SIPP)	✗
PCI Express configuraties	1x4, 2x2	OS Guard	✓
Geheugen		Intel® Software Guard Extensions (Intel® SGX)	✓
Intern geheugen *	8 GB	Intel Clear Video Technology for MID	✓
Intern geheugentype	DDR4-SDRAM	Intel® 64	✓
Kloksnelheid geheugen	2133 MHz	Execute Disable Bit	✓
Geheugen form factor	On-board + SO-DIMM	Idle States	✓
Geheugenslots	1x SO-DIMM	Thermal Monitoring Technologies	✓
Maximum intern geheugen *	16 GB	Verpakkingsgrootte processor	42 X 24 mm
Opslagmedia		Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2
Totale opslagcapaciteit *	256 GB	CPU configuratie (max)	1
Opslagmedia *	SSD	Ingebouwde opties beschikbaar	✗
Aantal geïnstalleerde SSD's	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Solid State Drive (SSD) capaciteit	256 GB	Versie Intel® Identity Protection Technology	1,00
Soort optische drive *	DVD±RW	Versie Intel® Smart Response Technology	1,00
Geïntegreerde geheugenkaartlezer	✓	Versie Intel® Stable Image Platform Program (SIPP)	0,00
Compatibele geheugenkaarten	MMC, SD, SDHC, SDXC	Versie Intel® Secure Key Technology	1,00
Grafisch		Versie Intel® TSX-NI	0,00
Discreet grafische adapter model *	Niet beschikbaar	Intel® Virtualization Technology (VT-x)	✓
Ingebouwde grafische adapter *	✓	ARK ID processor	122590
Aparte grafische adapter *	✗	Conflictvrije processor	✓
Familie ingebouwde grafische adapter	Intel® HD Graphics	Accu/Batterij	
On-board graphics adapter model *	Intel® HD Graphics 620	Aantal cellen in de batterij	2
Basisfrequentie ingebouwde grafische adapter	300 MHz	Energie	
Graphics on-board -adapter dynamische frequentie (max)	1000 MHz	AC-adapter, vermogen	45 W
Maximaal geheugen ingebouwde grafische adapter	32 GB	AC-adapterfrequentie	50 - 60 Hz
On-board grafische adapter DirectX-versie	12.0	AC-adapter ingangsspanning	100 - 240 V
On-board grafische adapter OpenGL versie	4.5	Aansluiting voor netstroomadapter	✓
On-board grafische adapter ID	0x5916	Beveiliging	
Audio		Bevestigingsmogelijkheid voor kabelslot	✓
Aantal ingebouwde luidsprekers	2	Trusted Platform Module (TPM)	✓
Vermogen luidsprekers	1,5 W	Wachtwoordbeveiliging	✓
Ingebouwde microfoon	✓	Password bescherming	HDD, Inschakelen, Supervisor
Camera		Certificaten	
Camera voorzijde	✓	Certificaten van naleving	RoHS
Resolutie camera voorzijde (numeriek)	1 MP	Gewicht en omvang	
Resolutie camera voorzijde	1280 x 720 Pixels	Breedte	418 mm
Signaalformaat camera voorkant	720p	Diepte	292,6 mm
Voorcamera HD-type	HD	Hoogte	24,9 mm
Netwerk		Gewicht *	2,8 kg
Wi-Fi	✓	Inhoud van de verpakking	
Hoogste Wi-Fi-standaard *	Wi-Fi 5 (802.11ac)	Inclusief AC-adapter *	✓
Wi-Fi-standaarden	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Gebruikershandleiding	✓
Soort antenne	1x1	Garantiekaart	✓
Ethernet LAN	✓	Overige specificaties	
Ethernet LAN, data-overdrachtsnelheden	10,100,1000 Mbit/s	Maximaal intern geheugen (64-bit)	16 GB
Bluetooth	✓	Opmerking over geheugenupgrade	Extra geheugen apart verkrijgbaar
Bluetooth-versie	4.1		

Poorten & interfaces

Aantal poorten USB 3.2 Gen 1 (3.1 Gen 1) Type A *	2
Aantal poortenUSB 3.2 Gen 1 (3.1 Gen 1) Type C *	1



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