



Lenovo IdeaCentre 300-20ISH Intel® Core™ i7 i7-6700 12 GB DDR4-SDRAM 1 TB HDD NVIDIA® GeForce® GT 720 Windows 10 Mini Tower PC Black

Brand : Lenovo

Product family: IdeaCentre

Article code: 8435056130968

Product name : 300-20ISH

Lenovo IdeaCentre 300-20ISH. Processor frequency: 3,4 GHz, Processor family: Intel® Core™ i7, Processor model: i7-6700. Internal memory: 12 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2133 MHz. Total storage capacity: 1 TB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics 530, Discrete graphics card model: NVIDIA® GeForce® GT 720. Operating system installed: Windows 10, Operating system architecture: 64-bit. Chassis type: Mini Tower. Product type: PC. Product color: Black

Processor		Ports & interfaces	
Processor manufacturer *	Intel	VGA (D-Sub) ports quantity	1
Processor family *	Intel® Core™ i7	DVI port	✗
Processor generation	6th gen Intel® Core™ i7	HDMI ports quantity *	1
Processor model *	i7-6700	Ethernet LAN (RJ-45) ports	1
Processor cores	4	Microphone in	✓
Processor threads	8	Headphone outputs	1
Processor boost frequency	4 GHz	Design	
Processor frequency *	3,4 GHz	Chassis type *	Mini Tower
Processor socket	LGA 1151 (Socket H4)	Placement supported	Vertical
Processor cache	8 MB	Product color *	Black
Processor cache type	Smart Cache	Performance	
System bus rate	8 GT/s	Audio output channels	5.1 channels
Bus type	DMI3	Product type *	PC
Processor lithography	14 nm	Software	
Processor operating modes	64-bit	Operating system architecture	64-bit
Processor series	Intel Core i7-6700 Desktop series	Operating system installed *	Windows 10
Processor codename	Skylake	Processor special features	
Thermal Design Power (TDP)	65 W	Intel® Small Business Advantage (Intel® SBA)	✓
Tcase	71 °C	Intel® Wireless Display (Intel® WiDi)	✓
PCI Express slots version	3.0	Intel 64	✓
Maximum number of PCI Express lanes	16	Enhanced Intel SpeedStep Technology	✓
PCI Express configurations	2x8, 1x8+2x4, 1x16	Embedded options available	✓
Number of processors installed	1	Intel® InTru™ 3D Technology	✓
Stepping	R0	Intel® Insider™	✓
Maximum internal memory supported by processor	64 GB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM	Intel Clear Video Technology	✓
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory bandwidth supported by processor (max)	34,1 GB/s	Intel TSX-NI	✓
ECC supported by processor	✗	Idle States	✓
Memory voltage supported by processor	1,35 V	Thermal Monitoring Technologies	✓
Memory		Intel Stable Image Platform Program (SIPP)	✓
Internal memory *	12 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum internal memory *	16 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM		
Memory slots	2x DIMM		
Memory clock speed	2133 MHz		
Memory channels	Dual-channel		

Storage		Processor special features	
Total storage capacity *	1 TB	Intel® OS Guard	✓
Storage media *	HDD	Intel Trusted Execution Technology	✓
Number of storage drives installed	1	Execute Disable Bit	✓
Number of HDDs installed	1	Intel Enhanced Halt State	✓
HDD capacity	1 TB	Intel Software Guard Extensions (Intel SGX)	✓
HDD speed	7200 RPM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Card reader integrated	✓	Processor package size	37.5 x 37.5 mm
Compatible memory cards	MMC, MMC+, MS PRO, Memory Stick (MS), SD, SDHC, SDXC	Supported instruction sets	SSE4.1, AVX 2.0, SSE4.2
Graphics		Processor code	SR2BT
On-board graphics card *	✓	Scalability	1S
Discrete graphics card model *	NVIDIA® GeForce® GT 720	CPU configuration (max)	1
Discrete graphics card memory	2 GB	Graphics & IMC lithography	14 nm
On-board graphics card family	Intel® HD Graphics	Thermal solution specification	PCG 2015C
On-board graphics card model *	Intel® HD Graphics 530	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card base frequency	350 MHz	Intel Identity Protection Technology version	1,00
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Stable Image Platform Program (SIPP) version	1,00
Maximum on-board graphics card memory	1,74 GB	Intel Secure Key Technology version	1,00
Number of displays supported (on-board graphics)	3	Intel Virtualization Technology (VT-x)	✓
On-board graphics card DirectX version	12.0	Intel Small Business Advantage (SBA) version	1,00
On-board graphics card OpenGL version	4.4	Intel TSX-NI version	1,00
On-board graphics card ID	1912	Processor ARK ID	88196
Network		Intel® Turbo Boost Technology	2.0
Ethernet LAN *	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Intel® Quick Sync Video Technology	✓
Cabling technology	10/100/1000Base-T(X)	Intel® Identity Protection Technology (Intel® IPT)	✓
Wi-Fi *	✓	Conflict-Free processor	✓
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Certificates	
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Compliance certificates	RoHS
Bluetooth	✓	Weight & dimensions	
Bluetooth version	4.0	Width *	160 mm
Ports & interfaces		Depth *	410 mm
USB 2.0 ports quantity *	2	Height *	355 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Weight *	7,1 kg



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