



Lenovo ThinkStation P320 Intel® Core™ i3 i3-7100T 8 GB DDR4-SDRAM 256 GB SSD NVIDIA® Quadro® P600 Windows 10 Pro Mini PC Black

Brand : Lenovo

Product family: ThinkStation

Product code: 30C2001AUS

Product name : P320

Intel Core i3-7100T 3.4GHz, Intel HD 630, Quadro P600 2GB, 8GB DDR4, 256GB M.2 PCIe NVMe Opal, 802.11ac, Bluetooth, Stand, Windows 10 Pro 64-bit
Lenovo ThinkStation P320. Processor frequency: 3.4 GHz, Processor family: Intel® Core™ i3, Processor model: i3-7100T. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 630, Discrete graphics card model: NVIDIA® Quadro® P600. Operating system installed: Windows 10 Pro, Operating system architecture: 64-bit. Power supply: 135 W. Product type: Mini PC. Weight: 1.3 kg. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Microphone in	✓
Processor family *	Intel® Core™ i3	Headphone outputs	1
Processor generation	7th gen Intel® Core™ i3	Design	
Processor model *	i3-7100T	Product colour *	Black
Processor cores	2	Performance	
Processor threads	4	Product type *	Mini PC
Processor frequency *	3.4 GHz	Software	
Processor socket	LGA 1151 (Socket H4)	Operating system architecture	64-bit
Processor cache	3 MB	Operating system installed *	Windows 10 Pro
Processor cache type	Smart Cache	Processor special features	
System bus rate	8 GT/s	Intel 64	✓
Bus type	DMI3	Enhanced Intel SpeedStep Technology	✓
Processor lithography	14 nm	Embedded options available	✗
Processor operating modes	64-bit	Intel® InTru™ 3D Technology	✓
Processor codename	Kaby Lake	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Thermal Design Power (TDP)	35 W	Intel Clear Video Technology	✓
Configurable TDP-down	25 W	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-down frequency	2.4 GHz	Intel TSX-NI	✗
Tjunction	92 °C	Idle States	✓
PCI Express slots version	3.0	Thermal Monitoring Technologies	✓
Maximum number of PCI Express lanes	16	Intel Stable Image Platform Program (SIPP)	✗
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel® AES New Instructions (Intel® AES-NI)	✓
Number of processors installed	1	Intel® Secure Key	✓
Stepping	S0	Intel® OS Guard	✓
Maximum internal memory supported by processor	64 GB	Intel Trusted Execution Technology	✗
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM	Execute Disable Bit	✓
Memory clock speeds supported by processor	1333,1600,2133,2400 MHz	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel Software Guard Extensions (Intel SGX)	✓
Memory			
Internal memory *	8 GB		
Maximum internal memory *	32 GB		
Internal memory type	DDR4-SDRAM		
Memory slots	4x SO-DIMM		
Memory channels	Dual-channel		

Storage		Processor special features	
Total storage capacity *	256 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Storage media *	SSD	Processor package size	37.5 x 37.5 mm
Optical drive type *	✗	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Card reader integrated	✗	Processor code	SR35P
Graphics		Scalability	1S
Discrete graphics card *	✓	CPU configuration (max)	1
On-board graphics card *	✓	Thermal solution specification	PCG 2015A
Discrete graphics card model *	NVIDIA® Quadro® P600	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card model *	Intel® HD Graphics 630	Intel Identity Protection Technology version	1.00
On-board graphics card base frequency	350 MHz	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Secure Key Technology version	1.00
Maximum on-board graphics card memory	64 GB	Intel Virtualization Technology (VT-x)	✓
Number of displays supported (on-board graphics)	3	Intel TSX-NI version	0.00
On-board graphics card DirectX version	12.0	Processor ARK ID	97485
On-board graphics card OpenGL version	4.4	Intel® Turbo Boost Technology	✗
On-board graphics card ID	0x5912	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Network		Intel® Quick Sync Video Technology	✓
Ethernet LAN *	✓	Intel® Identity Protection Technology (Intel® IPT)	✓
Wi-Fi *	✓	Conflict-Free processor	✓
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Power	
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Power supply *	135 W
Bluetooth	✓	Weight & dimensions	
Ports & interfaces		Width *	34.5 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6	Depth *	179 mm
DVI port	✗	Height *	182.9 mm
DisplayPorts quantity	2	Weight *	1.3 kg
Ethernet LAN (RJ-45) ports	1	Display	
		Display included *	✗

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