



Lenovo ThinkStation P330 Intel® Core™ i5 i5-9500T 16 GB DDR4-SDRAM 512 GB SSD NVIDIA® Quadro® P620 Windows 10 Pro Mini PC Workstation Black

Brand : Lenovo

Product family: ThinkStation

Product code: 30CF002NUS

Product name : P330

- Windows 10 Pro 64-bit
- Intel Core i5-9500T (9MB Cache, 2.2GHz)
- NVIDIA Quadro P620 (2GB)
- 16GB (2666MHz) DDR4-SDRAM & 512GB SSD

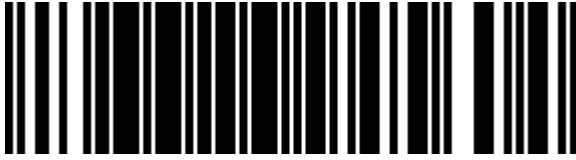
Intel Core i5-9500T (9MB Cache, 2.2GHz), 16GB DDR4-SDRAM, 512GB SSD, Intel UHD Graphics 630, NVIDIA Quadro P620 (2GB), LAN, WLAN, Bluetooth, Windows 10 Pro 64-bit

Lenovo ThinkStation P330. Processor frequency: 2.2 GHz, Processor family: Intel® Core™ i5, Processor model: i5-9500T. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2666 MHz. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics 630, Discrete graphics card model: NVIDIA® Quadro® P620. Operating system installed: Windows 10 Pro, Operating system architecture: 64-bit. Power supply: 135 W. Chassis type: Mini PC. Product type: Workstation



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Processor family *	Intel® Core™ i5	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor generation	9th gen Intel® Core™ i5	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor model *	i5-9500T	DisplayPorts quantity	1
Processor cores	6	HDMI ports quantity *	1
Processor threads	6	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	3.7 GHz	Combo headphone/mic port	✓
Processor frequency *	2.2 GHz	Headphone outputs	1
Processor cache	9 MB	Microphone in	✓
Processor cache type	Smart Cache	DVI port	✗
System bus rate	8 GT/s	On/off button	✓
Processor lithography	14 nm	Power	
Processor operating modes	64-bit	Power supply *	135 W
Thermal Design Power (TDP)	35 W	Power supply input voltage	100 - 240 V
Configurable TDP-down	25 W	Design	
Configurable TDP-down frequency	1.6 GHz	Chassis type *	Mini PC
Tjunction	100 °C	Volume	1 L
PCI Express slots version	3.0	Placement supported	Horizontal/Vertical
Maximum number of PCI Express lanes	16	Water cooling system	✗
PCI Express configurations	1x8+2x4, 1x16, 2x8	Product colour *	Black
Number of processors installed	1	Software	
Processor socket	LGA 1151 (Socket H4)	Operating system architecture	64-bit
Maximum internal memory supported by processor	128 GB	Operating system installed *	Windows 10 Pro
Memory types supported by processor	DDR4-SDRAM	Processor special features	
Memory clock speeds supported by processor	2666 MHz	Intel 64	✓
Memory bandwidth supported by processor (max)	41.6 GB/s	Enhanced Intel SpeedStep Technology	✓
Memory		Embedded options available	✗
Internal memory *	16 GB	Intel® InTru™ 3D Technology	✓
Internal memory type	DDR4-SDRAM	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory slots	2x SO-DIMM	Intel Clear Video Technology	✓
Memory clock speed	2666 MHz		
Non-ECC	✓		

Memory		Processor special features	
Memory channels	Dual-channel	Intel VT-x with Extended Page Tables (EPT)	✓
Storage		Intel TSX-NI	✓
Total storage capacity *	512 GB	Idle States	✓
Storage media *	SSD	Thermal Monitoring Technologies	✓
Optical drive type *	✗	Intel Stable Image Platform Program (SIPP)	✓
Number of storage drives installed	1	Intel® AES New Instructions (Intel® AES-NI)	✓
Total SSDs capacity	512 GB	Intel® Secure Key	✓
Number of SSDs installed	1	Intel® OS Guard	✓
SSD capacity	512 GB	Intel Trusted Execution Technology	✓
Card reader integrated	✗	Execute Disable Bit	✓
Graphics		Intel Software Guard Extensions (Intel SGX)	✓
Discrete graphics card *	✓	Processor package size	37.5 x 37.5 mm
On-board graphics card *	✓	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Discrete graphics card model *	NVIDIA® Quadro® P620	Scalability	1S
Discrete graphics card memory	2 GB	CPU configuration (max)	1
Number of discrete graphics cards	1	Thermal solution specification	PCG 2015A
On-board graphics card family	Intel® UHD Graphics	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card model *	Intel® UHD Graphics 630	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base frequency	350 MHz	Processor ARK ID	191052
On-board graphics card dynamic frequency (max)	1100 MHz	Intel® Turbo Boost Technology	2.0
Maximum on-board graphics card memory	64 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Number of displays supported (on-board graphics)	3	Intel® Quick Sync Video Technology	✓
On-board graphics card DirectX version	12.0	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card OpenGL version	4.5	Audio	
On-board graphics card ID	0x3E92	Audio chip	Realtek ALC233
Performance		Audio system	High Definition Audio
Motherboard chipset	Intel Q370	Operational conditions	
Password protection	✓	Operating temperature (T-T)	10 - 35 °C
Password protection type	Power on	Storage temperature (T-T)	-40 - 60 °C
Trusted Platform Module (TPM)	✓	Operating relative humidity (H-H)	20 - 80%
Product type *	Workstation	Storage relative humidity (H-H)	20 - 90%
Network		Operating altitude	-15.2 - 3048 m
Ethernet LAN *	✓	Non-operating altitude	-15.2 - 10668 m
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight & dimensions	
Cabling technology	10/100/1000Base-T(X)	Width *	36.5 mm
Wi-Fi *	✓	Depth *	182.9 mm
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Height *	179 mm
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight *	1.4 kg
WLAN controller model	Intel Dual Band Wireless-AC 9560	Packaging content	
Antenna type	2x2	Mouse included	✓
Bluetooth	✓	Keyboard included	✓
Bluetooth version	5.0	Certificates	
		Compliance certificates	RoHS
		Sustainability	
		Sustainability certificates	EPEAT Gold, ENERGY STAR



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