



# T1A ThinkStation Lenovo P330 Refurbished Intel® Core™ i7 i7-8700T 16 GB DDR4-SDRAM 512 GB SSD NVIDIA® Quadro® P620 Windows 10 Pro Mini PC Workstation Black



**Brand :** T1A

**Product family:** ThinkStation

**Product code:** D-P330-MU-T001

**Product name :** Lenovo ThinkStation P330 Refurbished

Lenovo P330 Tiny Workstation, Intel Core i7-8700T 2.4GHZ, 512 GB NVMe, 16 GB RAM, NVIDIA Quadro P620 miniDP, WIN 10 PRO

T1A ThinkStation Lenovo P330 Refurbished. Processor frequency: 2.4 GHz, Processor family: Intel® Core™ i7, Processor model: i7-8700T. 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	Combo headphone/mic port	✓
Processor family *	Intel® Core™ i7	On/off button	✓
Processor generation	8th gen Intel® Core™ i7	<b>Design</b>	
Processor model *	i7-8700T	Chassis type *	Mini PC
Processor cores	6	Volume	1 L
Processor threads	12	Placement supported	Horizontal/Vertical
Processor boost frequency	4 GHz	Water cooling system	✗
Processor frequency *	2.4 GHz	Product colour *	Black
Processor socket	LGA 1151 (Socket H4)	Refurbished	✓
Processor cache	12 MB	<b>Performance</b>	
Processor cache type	Smart Cache	Motherboard chipset	Intel Q370
System bus rate	8 GT/s	Audio chip	Realtek ALC233
Bus type	DMI3	Audio system	High Definition Audio
Processor lithography	14 nm	Password protection	✓
Processor operating modes	64-bit	Password protection type	Power on
Processor codename	Coffee Lake	Trusted Platform Module (TPM)	✓
Thermal Design Power (TDP)	35 W	Product type *	Workstation
Configurable TDP-down	25 W	<b>Software</b>	
Configurable TDP-down frequency	1.9 GHz	Operating system installed *	Windows 10 Pro
Tjunction	100 °C	Operating system architecture	64-bit
PCI Express slots version	3.0	<b>Processor special features</b>	
Maximum number of PCI Express lanes	16	Intel 64	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Enhanced Intel SpeedStep Technology	✓
Number of processors installed	1	Embedded options available	✓
Stepping	U0	Intel® InTru™ 3D Technology	✓
Maximum internal memory supported by processor	64 GB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory types supported by processor	DDR4-SDRAM	Intel Clear Video Technology	✓
Memory clock speeds supported by processor	2666 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory bandwidth supported by processor (max)	41.6 GB/s	Intel TSX-NI	✓
<b>Memory</b>		Idle States	✓
Internal memory *	16 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR4-SDRAM	Intel Stable Image Platform Program (SIPP)	✓
Memory slots	2x SO-DIMM		

<b>Memory</b>		<b>Processor special features</b>	
Memory clock speed	2666 MHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Non-ECC	✓	Intel® Secure Key	✓
<b>Storage</b>		Intel® OS Guard	✓
Total storage capacity *	512 GB	Intel Trusted Execution Technology	✓
Storage media *	SSD	Execute Disable Bit	✓
Optical drive type *	✗	Intel Enhanced Halt State	✓
Number of storage drives installed	1	Intel Software Guard Extensions (Intel SGX)	✓
Total SSDs capacity	512 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Number of SSDs installed	1	Processor package size	37.5 x 37.5 mm
SSD capacity	512 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
NVMe	✓	Processor code	SR3WX
Card reader integrated	✗	Scalability	1S
<b>Graphics</b>		CPU configuration (max)	1
Discrete graphics card *	✓	Thermal solution specification	PCG 2015A
On-board graphics card *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	NVIDIA® Quadro® P620	Intel Identity Protection Technology version	1.00
Discrete graphics card memory	2 GB	Intel Stable Image Platform Program (SIPP) version	1.00
Discrete graphics memory type	GDDR5	Intel Secure Key Technology version	1.00
Number of discrete graphics cards	1	Intel Virtualization Technology (VT-x)	✓
On-board GPU manufacturer	Intel	Intel TSX-NI version	1.00
On-board graphics card family	Intel® UHD Graphics	Processor ARK ID	129948
On-board graphics card model *	Intel® UHD Graphics 630	Intel® Turbo Boost Technology	2.0
On-board graphics card base frequency	350 MHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
On-board graphics card dynamic frequency (max)	1200 MHz	Intel® Quick Sync Video Technology	✓
Maximum on-board graphics card memory	64 GB	Intel® Identity Protection Technology (Intel® IPT)	✓
Number of displays supported (on-board graphics)	3	Conflict-Free processor	✓
On-board graphics card DirectX version	12.0	<b>Power</b>	
On-board graphics card OpenGL version	4.5	Power supply *	135 W
On-board graphics card ID	0x3E92	Power supply input voltage	100 - 240 V
Graphics card Mini DisplayPort ports quantity	4	<b>Operational conditions</b>	
<b>Network</b>		Operating temperature (T-T)	10 - 35 °C
Ethernet LAN *	✓	Storage temperature (T-T)	-40 - 60 °C
Ethernet LAN data rates	10,100,1000 Mbit/s	Operating relative humidity (H-H)	20 - 80%
Cabling technology	10/100/1000Base-T(X)	Storage relative humidity (H-H)	20 - 90%
<b>Ports &amp; interfaces</b>		Operating altitude	-15.2 - 3048 m
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Non-operating altitude	-15.2 - 10668 m
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	<b>Certificates</b>	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Compliance certificates	RoHS
DVI port	✗	<b>Sustainability</b>	
HDMI ports quantity *	1	Sustainability certificates	EPEAT Gold, ENERGY STAR
DisplayPorts quantity	1	<b>Weight &amp; dimensions</b>	
Ethernet LAN (RJ-45) ports	1	Width *	36.5 mm
Microphone in	✓	Depth *	182.9 mm
Headphone outputs	1	Height *	179 mm
		Weight *	1.4 kg



5711603068278

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 30-OCT-2024. Prints or copies of Information are only valid on the printed Publication date