

ThinkStation P620 30E00046US

Product

ThinkStation P620

Region

NA

Country/Region

USA

Machine Type

30E0

TopSeller

TopSeller

Processor

AMD Ryzen Threadripper PRO 3975WX (32C / 64T, 3.5 / 4.2GHz, 16MB L2 / 128MB L3)

Discrete Graphics

NVIDIA Quadro RTX 4000 8GB

Chipset

AMD WRX80

Memory

2x 16GB RDIMM DDR4-3200 ECC

HDD Controller

Integrated SATA controller

M.2 SSD RAID Controller

Integrated NVMe controller

Internal Disk Drive

None

M.2 SSD Drive

1x 512GB SSD M.2 PCIe 4.0 NVMe Opal (available later)

Optical

9.0mm DVD±RW

Media Reader

15-in-1 Card Reader

Onboard Ethernet

1x 10GbE RJ-45

Additional Ethernet

None

WLAN + Bluetooth

None

Optional Rear Ports

None

Chassis Intrusion Switch

Chassis Intrusion Switch

Cover Lock

Lock Kit with Common Key

Keyboard

USB Traditional Keyboard, Black, English

Mouse

USB Calliope Mouse

Power Supply

1000W Platinum Fixed

Diagnostic

Front 4-Digit Diagnostic LED

System Management

AMD PRO

Operating System

Windows 10 Pro 64, English

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

3Y Premier Support Upgrade from 3Y Onsite (5WS0U26649)

EAN / UPC / JAN

195348237376

End of Support

2028-10-04

Announce Date

2020-09-04

Notes:**California Electronic Waste Recycling Fee**

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>

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ThinkStation P620 Platform Specifications

Product Specifications Reference (PSREF)

Form factor	33L Tower						
Dimensions	165mm/6.5" W x 460mm/18.1" D x 446mm/17.6" H (with feet)						
Weight	Maximum configuration: 52.91 lb (24kg)						
Processor Support	Processor	# of Cores	# of Threads	Base Frequency	Cache	TDP	Memory Types
	AMD Ryzen Threadripper PRO 3995WX	64	128	2.7GHz	256MB L3	280W	DDR4-3200
	AMD Ryzen Threadripper PRO 3975WX	32	64	3.5GHz	128MB L3	280W	DDR4-3200
	AMD Ryzen Threadripper PRO 3955WX	16	32	3.9GHz	64MB L3	280W	DDR4-3200
	AMD Ryzen Threadripper PRO 3945WX	12	24	4.0GHz	64MB L3	280W	DDR4-3200
Processor Sockets	1x Socket sWRX4						
Chipset	AMD WRX80						
Memory Sockets	8 DIMM sockets with 8 channels						
Memory Types	DDR4-3200 RDIMM ECC, 8GB / 16GB / 32GB / 64GB available						
Memory Capacity	512GB with 8 x 64GB DDR4-3200 RDIMMs						
Memory Protection	ECC						
Expansion slots	Slot 1 (CPU)	PCIe 4.0 x16, full height, full length					
	Slot 2 (CPU)	PCIe 4.0 x8, full height, full length					
	Slot 3 (CPU)	PCIe 4.0 x16, full height, full length					
	Slot 4 (CPU)	PCIe 4.0 x16, full height, full length					
	Slot 5 (CPU)	PCIe 4.0 x16, full height, full length					
	Slot 6 (IOH)	PCIe 4.0 x8, full height, full length					
Discrete Graphics Offering	Graphics	Memory	Pow-er	Connector	SLI / NVlink	Max Qty	
	Quadro P620	2GB GDDR5	40W	4xminiDP	-	4	
	Quadro P1000	4GB GDDR5	50W	4xminiDP	-	4	
	Quadro P2200	5GB GDDR5	75W	4xDP	-	4	
	Quadro RTX 4000	8GB GDDR6	160W	3xDP, 1xVirtualLink	-	4	
	Quadro RTX 5000	16GB GDDR6	265W	4xDP, 1xVirtualLink	NVLink	2	
	Quadro RTX 6000	24GB GDDR6	295W	4xDP, 1xVirtualLink	NVLink	2	
	Quadro RTX 8000	48GB GDDR6	295W	4xDP, 1xVirtualLink	NVLink	2	
	Quadro GV100	32GB HBM2	250W	4xDP	NVLink	2	
Storage Controller	Storage Controller	Type	Interface	RAID	Cache		
	Integrated SATA controller	Std	SATA 6Gb/s	0/1/10/5	-		
	Integrated NVMe controller	Std	PCIe NVMe	0/1/10/5	-		
Storage Type	Disk Type	Interface	RPM	Offering			
	3.5" SATA HDD	SATA 6Gb/s	7.2K	1TB/2TB/4TB			
	M.2 PCIe SSD	PCIe 3.0 NVMe	-	256GB/512GB/1TB/2TB			
	M.2 PCIe SSD	PCIe 4.0 NVMe*	-	256GB/512GB/1TB			
* M.2 PCIe 4.0 SSD is available later this year							
Storage Support	Up to 5x 3.5" SATA HDD: • 4x 3.5" HDD bay • 1x Flex Bay (Front Access Storage Enclosure or 5.25" Slim ODD and HDD cage)						
	Up to 11x M.2 SSD: • 2 via onboard M.2 • 8 via two quad M.2 to PCIe adapter (only supports PCIe 3.0 SSD) • 1 via Single M.2 to PCIe adapter (only supports PCIe 3.0 SSD)						
Power supply	One fixed 1000W, autosensing, 92%, 80 PLUS Platinum qualified						
Optical	Optional one slim optical, DVD or DVD±RW						
Media reader	Optional UHS-II 15-in-1 USB 3.2 Gen 1 reader on flex module						
Network interfaces	Integrated one 10GbE ethernet (Marvell AQtion AQN-107). Optional PCIe ethernet or wireless adapters are available						
WLAN + Bluetooth	Optional Intel Wireless-AC 9260, 2x2, 2.4GHz/5GHz, 802.11ac, Bluetooth 5.1						

Security features	Power-on and admin password. Trusted Platform Module, TCG 2.0 compliant. Chassis intrusion switch. Optional access panel lock, Kensington lock	
System Mgmt	AMD Pro Manageability	
Diagnostic	Front panel warning LED. Front 4-digit diagnostic. ThinkStation Diagnostics for Windows. Photo-audio transfer with Lenovo PC Diagnostics for Android and iOS.	
Base warranty	Most models comes with 3-year limited onsite service with 9x5/NBD	
HD Audio	Realtek ALC4050H codec	
Front ports	2x USB-A 3.2 Gen 2 (includes one 11W charging), 2x USB-C 3.2 Gen 2 (15W), 1x combo audio / microphone jack (3.5mm)	
Rear ports	2x USB-A 2.0, 4x USB-A 3.2 Gen 2, 1x 10GbE RJ-45, 3x analog audio ports (line-in, line-out, mic-in), 2x PS/2	
Optional ports	Optional one COM port	
Environmental specification	Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)
	Temperature - storage (no package)	14 °F to 140 °F (-10 °C to 60 °C)
	Temperature - storage (with package)	-40 °F to 140 °F (-40 °C to 60 °C)
	Altitude - operating	(Unpressurized): -50ft-10000ft (-15.2m-3048m)
	Humidity - operating	10%~80%, non-condensing
	Humidity - storage (with package)	10%~90%, non-condensing
Environmental Certifications	RoHS-compliant. GREENGUARD. EPEAT Silver rating. ENERGY STAR 8.0 qualified	
ISV certifications	Please visit www.thinkworkstations.com/isv-certifications/	

Note: Depending on many factors, actual data transfer speed mentioned on this page may be lower than theoretical speed.

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