

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			
<i>* M.2 PCIe 4.0 SSD is available later this year</i>							
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.