ThinkStation P330 Tower Gen 2 (30CY and 30D0) Platform Specifications - I of II

Note: 2x Quadro P2000, Quadro P4000, Quadro P5000, or Quadro RTX 4000 needs 400W PSU

Components	Specification	Components	Specification
Form factor	18L Tower		Storage Controller Type Interface Disk Type RAID
Dimensions	Height: 376 mm (14.8 in). Width: 165 mm (6.5 in). Depth: 328 mm (12.9 in)		Onboard Intel RST SATA RAID Std SATA 6Gb/s HDD or SSD 0/1/10/5
Weight	Maximum configuration: 28.22 lb (12.8kg)	1	Onboard Intel RST PCIe RAID Std PCIe NVMe M.2 PCIe SSD 0/1
wegnt	<u> </u>	Storage Support	Disk Type Interface RPM Offering Max Qty
	Supports one of the following processors:		3.5" SATA HDD SATA 6Gb/s 7.2K 1TB/2TB/4TB 3
	Xeon E-2286G 6C/12T/4.0GHz/12MB/95W/DDR4-2666 400W PSU needed		2.5" SATA HDD SATA 6Gb/s 7.2K 500GB FIPS 4
	Xeon E-2278G 8C/16T/3.4GHz/16MB/80W/DDR4-2666 400W PSU needed		2.5" SATA SSD SATA 6Gb/s 256GB/512GB/1TB 4
	Xeon E-2276G 6C/12T/3.8GHz/12MB/80W/DDR4-2666 Xeon E-2274G 4C/8T/4.0GHz/8MB/83W/DDR4-2666		Optane Memory PCIe NVMe 32GB 1,
	Xeon E-2246G 4C/81/4.0GHz/18MB/80W/DDR4-2666 Xeon E-2246G 6C/12T/3.6GHz/12MB/80W/DDR4-2666		used with hdd/ssd
	Xeon E-2244G 4C/8T/3.8GHz/8MB/71W/DDR4-2666		M.2 PCIe SSD PCIe NVMe 256GB/512GB/1TB 3
	Xeon E-2236 6C/12T/3.4GHz/12MB/80W/DDR4-2666	Storage Bays	Up to five bays with four disk bays plus one slim optical bay, supports up to 3x 3.5" HDD plus 1x 2.5" SSD, or 4x 2.5" HDD/SSD
	Xeon E-2234 4C/8T/3.6GHz/8MB/71W/DDR4-2666		
	Xeon E-2226G 6C/6T/3.4GHz/12MB/80W/DDR4-2666		Bay 1 Primary disk bay, 3.5" or 2.5"
	Xeon E-2224G 4C/4T/3.5GHz/8MB/71W/DDR4-2666		Bay 2 2.5" SATA bay, cannot be available when 2nd Quadro P2000 is used
	Xeon E-2224 4C/4T/3.4GHz/8MB/71W/DDR4-2666		Bay 3 Secondary disk bay, 3.5" or 2.5"
	Xeon E-2186G 6C/12T/3.8GHz/12MB/95W/DDR4-2666 400W PSU needed		Bay 4 5.25" Flex bay, supports one of the following:
Processor	Xeon E-2174G		Flex module for optional front eSATA/Thunderbolt/IEEE1394
	Core i9-9900K 8C/16T/3.6GHz/16MB/95W/DDR4-2666 400W PSU needed Core i9-9900 8C/16T/3.1GHz/16MB/65W/DDR4-2666		3rd disk bay, 3.5" or 2.5", removable, via Front Access Storage Enclosure, using SATA 4 connector as eSATA mode
	Core i9-9900 8C/16T/3.1GHz/16MB/65W/DDR4-2666 Core i7-9700K 8C/8T/3.6GHz/12MB/95W/DDR4-2666 400W PSU needed		
	Core i7-9700K 8C/8T/3.0GHz/12MB/65W/DDR4-2666 400W F36 fleeded		• 3rd disk bay, 3.5" or 2.5", via 5.25" to 3.5" HDD Kit
	Core i7-8700 6C/12T/3.2GHz/12MB/65W/DDR4-2666		Bay 5 9mm Slim ODD bay
	Core i5-9600K 6C/6T/3.7GHz/9MB/95W/DDR4-2666 400W PSU needed		·
	Core i5-9600 6C/6T/3.1GHz/9MB/65W/DDR4-2666		
	Core i5-9500 6C/6T/3.0GHz/9MB/65W/DDR4-2666	Media reader	Optional SD card reader on most models
	Core i5-9400 6C/6T/2.9GHz/9MB/65W/DDR4-2666	interfaces WLAN + Bluetooth	One onboard GbE port via integrated gigabit ethernet Intel i219LM, supports
	Core i5-8500 6C/6T/3.0GHz/9MB/65W/DDR4-2666		Wake-on-LAN. Optional PCIe ethernet adapters are available
	Core i3-9300 4C/4T/3.7GHz/8MB/62W/DDR4-2400		One dedicated onboard M.2 slot for optional Intel Wireless-AC 9560, 2x2, 2.4GHz/5GHz (160MHz channels), 802.11ac, Bluetooth 5, up to 1.73Gbps
	Core i3-9100 4C/4T/3.6GHz/6MB/65W/DDR4-2400		Power-on and admin password. Trusted Platform Module, TCG 2.0 compliant.
	Core i3-8300 4C/4T/3.7GHz/8MB/62W/DDR4-2400 Core i3-8100 4C/4T/3.6GHz/6MB/65W/DDR4-2400		
Chinaat		-	pad lock
Chipset	Intel C246 Chipset	Intel vPro	Supports Intel vPro on Xeon models.
Memory Sockets	4 DIMM sockets with 2 channels 8GB/16GB DDR4-2666 UDIMM ECC or	IIIILEI VETO	vPro also requires Wireless-AC 9560 if Wi-Fi is needed
Memory Types	4GB/8GB/16GB/32GB DDR4-2666 UDIMM non-ECC	Intel AMT	Intel Active Management Technology 12 on Xeon models,
Memory Capacity	64GB with 4 x 16GB for UDIMM ECC or 128GB with 4 x 32GB UDIMM non-ECC	1	Intel Standard Manageability on other models
Memory Protection	ECC on models with UDIMM ECC memeory	Base warranty	US models comes with 3-year limited onsite service with 9x5/NBD. 1 or 3-year limited onsite service with 9x5/NBD in EMEA or other GEOs
	Three PCIe 3.0 slots as following:	HD Audio	Intel HD Audio interface with Realtek ALC233 Codec
Expansion slots	Slot 1 PCle 3.0 x16, full height, half length, links to CPU	Front ports	2x USB 3.1 Gen 1 Type A. 2x USB 3.1 Gen 2 Type A. 1x USB 3.1 Gen 1
	Slot 2 PCle 3.0 x1, full height, full length, links to PCH	r torit ports	Type-C. 1x Mic-in. 1x Combo jack
	Slot 3 PCle 3.0 x16 (negotiable link width x4), full height, half length, links to PCH		2x USB 3.1 Gen 1 Type A. 2x USB 2.0 Type-A. 1x RJ-45. 1x COM. 2x DP.
Processor graphics	Integrated Intel UHD Graphics P630 in -G suffix Xeon processors, or Intel UHD	Rear ports Optional front ports (on flex module)	1x Audio line-out Notes: DP needs Core, Pentium, or -G suffix Xeon processor
	Graphics 630 in Core i7, i5, i3, or Pentium processors.		· ·
	Graphics 630 in Core i7, i5, i3, or Pentium processors. Works along with discrete graphics to support multi-display, enables three rear		2x Thunderbolt (USB Type-C), one of two ports supports video-out. 1x eSATA. 1x IEEE1394
	display connectors (2 DP standard, 1 DP or HDMI optional)		
	Up to two PCle 3.0 x16 slots for discrete graphics card (Slot 1 and 3). Supports the	Optional rear ports	Supports the following via cable: 1x COM. 1x Parallel. 2x PS/2. 1x DP or 1x HDMI. 2x USB 2.0 Supports the following via PCIe adapter: 4x COM. 2x USB 3.1 Type-C. 2x USB 3.1 Gen 1. 1x Thunderbolt. Notes: DP or HDMI needs Core, Pentium, or -G suffix Xeon processor
	following graphics adapters:		
Discrete Graphics Offering	Graphics Memory Power Connector Max Qty		
	Quadro P400 2GB GDDR5 30W 3x miniDP 2		
	Quadro P620 2GB GDDR5 40W 4x miniDP 2		Operating: 50 °F to 95 °F (10 °C to 35 °C) Non operating (no package): 14 °F to 140 °F (-10 °C to 60 °C) Non operating (with package): -40 °F to 140 °F (-40 °C to 60 °C)
	Quadro P1000 4GB GDDR5 50W 4x miniDP 2		
	Quadro P2000 5GB GDDR5 75W 4x DP 2 Outside P2000 5GB GDDR5 75W 4x DP 2		
	Quadro P2200 5GB GDDR5X 75W 4x DP 2 Quadro P4000 8GB GDDR5 105W 4x DP 1		
	Quadro P4000 8GB GDDR5 105W 4x DP 1 Quadro P5000 16GB GDDR5X 180W DVI-D DL + 4x DP 1		
	Quadro RTX 4000 8GB GDDR6 160W 3x DP, 1x VirtualLink 1		
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ThinkStation P330 Tower Gen 2 (30CY and 30D0) Platform Specifications - II of II

Components	Specification
Altitude	Operating: -15.2 m (-50 ft) to 3048 m (10 000 ft). Storage: -15.2 m (-50 ft) to 10, 668 m (35 000 ft)
Humidity	Operating: 30%~90%, non-condensing Storage (with package): 20%~90%, non-condensing
Environmental certification	RoHS-compliant. GREENGUARD. EPEAT Silver rating and ENERGY STAR 7 qualified
Power supply	Supports one 250W or 400W power supply, 100V - 240V, 92% PSU. Climate Savers Computing Platinum and 80 PLUS Platinum qualified. 400W PSU supports one 6+2-pin aux power connector.
ISV certifications	Please visit www.thinkworkstations.com/isv-certifications/

Note:
1. Depending on many factors, actual data transfer speed mentioned on this page may be lower than theoretical speed.
2. Any questions or advice on ThinkStation PSREF, please contact ThinkStation PSREF developer

