ThinkStation P330 Tower Gen 2 30CY002YPG

Product
ThinkStation P330 Tower Gen 2

Region
WE

Country
Portugal

Machine Type
30CY

TopSeller
TopSeller

Processor
Core i7-9700 8C/8T/3.0GHz/12MB/65W/DDR4-2666

Memory
2x 8GB UDIMM DDR4-2666 Non-ECC

Processor Graphics
Intel UHD Graphics 630

Discrete Graphics Card
1x NVIDIA Quadro P2200 5GB 4x DP

Monitor Cable
None

Storage Controller
Onboard Intel RST SATA RAID

M.2 SSD RAID Controller
Onboard Intel RST PCIe RAID

Internal Disk
1x 256GB SSD 2.5" SATA6Gb/s Opal + 1x 1TB HDD 7200rpm 3.5" SATA6Gb/s

Optane Memory
None

M.2 SSD Drive
None

Optical
9.0mm DVD±RW

Media Reader
SD Reader

HD Audio
Onboard Realtek ALC233

WLAN + Bluetooth
None

Available Networking Port
1x GbE RJ-45

Chassis Intrusion Switch
None

Cable Lock
Cable Lock

E-Lock
E-Lock

Dust Filter
None

Optional 1394 Port
None

Optional Parallel Port
None

Optional Thunderbolt Port
None

Optional Serial Port
None

Optional USB Port
None

Optional eSATA Port
None

Optional PS/2 Port
None

Optional Video Port
None

Keyboard
USB Traditional Keyboard

Mouse
USB Calliope Mouse

Power Supply
Fixed 400W Platinum

System Management
Standard Manageability

Operating System
Windows 10 Pro 64

Bundled Software
None

Base Warranty
3-year, Onsite

Upsell Service Bundles
None

Global
No

End of Support
2025-07-11

Announce Date
2019-06-11

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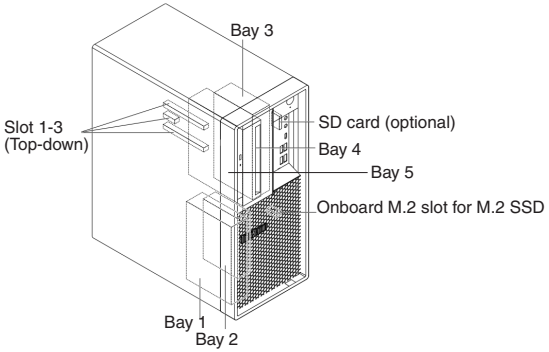
ThinkStation P330 Tower Gen 2 (30CY and 30D0) Platform Specifications - I of II

Components	Specification
Form factor	18L Tower
Dimensions	Height: 376 mm (14.8 in). Width: 165 mm (6.5 in). Depth: 328 mm (12.9 in)
Weight	Maximum configuration: 28.22 lb (12.8kg)
Processor	Supports one of the following processors: Xeon E-2288G – 8C/16T/3.7GHz/16MB/95W/DDR4-2666 – 400W PSU needed Xeon E-2286G – 6C/12T/4.0GHz/12MB/95W/DDR4-2666 – 400W PSU needed Xeon E-2278G – 8C/16T/3.4GHz/16MB/80W/DDR4-2666 – 400W PSU needed Xeon E-2276G – 6C/12T/3.8GHz/12MB/80W/DDR4-2666 Xeon E-2274G – 4C/8T/4.0GHz/8MB/83W/DDR4-2666 Xeon E-2246G – 6C/12T/3.6GHz/12MB/80W/DDR4-2666 Xeon E-2244G – 4C/8T/3.8GHz/8MB/71W/DDR4-2666 Xeon E-2236 – 6C/12T/3.4GHz/12MB/80W/DDR4-2666 Xeon E-2234 – 4C/8T/3.6GHz/8MB/71W/DDR4-2666 Xeon E-2226G – 6C/6T/3.4GHz/12MB/80W/DDR4-2666 Xeon E-2224G – 4C/4T/3.5GHz/8MB/71W/DDR4-2666 Xeon E-2224 – 4C/4T/3.4GHz/8MB/71W/DDR4-2666 Xeon E-2186G – 6C/12T/3.8GHz/12MB/95W/DDR4-2666 – 400W PSU needed Xeon E-2174G – 4C/8T/3.8GHz/8MB/71W/DDR4-2666 Pentium Gold G5620 – 2C/4T/4.0GHz/4MB/54W/DDR4-2400 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 i7-9700 – 8C/8T/3.0GHz/12MB/65W/DDR4-2666 Core i7-8700 – 6C/12T/3.2GHz/12MB/65W/DDR4-2666 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 Core i5-9400 – 6C/6T/2.9GHz/9MB/65W/DDR4-2666 Core i5-8500 – 6C/6T/3.0GHz/9MB/65W/DDR4-2666 Core i3-9300 – 4C/4T/3.7GHz/8MB/62W/DDR4-2400 Core i3-9100 – 4C/4T/3.6GHz/6MB/65W/DDR4-2400 Core i3-8300 – 4C/4T/3.7GHz/8MB/62W/DDR4-2400 Core i3-8100 – 4C/4T/3.6GHz/6MB/65W/DDR4-2400
Chipset	Intel C246 Chipset
Memory Sockets	4 DIMM sockets with 2 channels
Memory Types	8GB/16GB DDR4-2666 UDIMM ECC or 4GB/8GB/16GB DDR4-2666 UDIMM non-ECC
Memory Capacity	64B with 4 x 16GB, both UDIMM ECC or UDIMM non-ECC
Memory Protection	ECC on models with UDIMM ECC memeory
Expansion slots	Three PCIe 3.0 slots as following: Slot 1 – PCIe 3.0 x16, full height, half length, links to CPU Slot 2 – PCIe 3.0 x1, full height, full length, links to PCH Slot 3 – PCIe 3.0 x16 (negotiable link width x4), full height, half length, links to PCH
Processor graphics	Integrated Intel UHD Graphics P630 in -G suffix Xeon processors, or Intel UHD Graphics 630 in Core i7, i5, i3, or Pentium processors. Works along with discrete graphics to support multi-display, enables three rear display connectors (2 DP standard, 1 DP or HDMI optional)
Discrete Graphics Offering	Up to two PCIe 3.0 x16 slots for discrete graphics card (Slot 1 and 3). Supports the following graphics adapters: Quadro P400 – 2GB GDDR5 – 30W – 3x miniDP – 2 Quadro P620 – 2GB GDDR5 – 40W – 4x miniDP – 2 Quadro P1000 – 4GB GDDR5 – 50W – 4x miniDP – 2 Quadro P2000 – 5GB GDDR5 – 75W – 4x DP – 2 Quadro P2200 – 5GB GDDR5X – 75W – 4x DP – 2 Quadro P5000 – 16GB GDDR5X – 180W – DVI-D DL + 4x DP – 1 Quadro RTX 4000 – 8GB GDDR6 – 160W – 3x DP, 1x VirtualLink – 1 *Note: 2x Quadro P2000, Quadro P5000, or Quadro RTX 4000 needs 400W PSU*

Components	Specification
Storage Controller	Onboard Intel RST SATA RAID – Std – SATA 6Gb/s – HDD or SSD – 0/1/10/5 Onboard Intel RST PCIe RAID – Std – PCIe NVMe – M.2 PCIe SSD – 0/1
Storage Support	3.5" SATA HDD – SATA 6Gb/s – 7.2K – 1TB/2TB/4TB – 3 2.5" SATA HDD – SATA 6Gb/s – 7.2K – 500GB FIPS – 4 2.5" SATA SSD – SATA 6Gb/s – 256GB/512GB/1TB – 4 Optane Memory – PCIe NVMe – 32GB – 1, used with HDD/SSD M.2 PCIe SSD – PCIe NVMe – 256GB/512GB/1TB – 3
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 Bay 1 – Primary disk bay, 3.5" or 2.5" Bay 2 – 2.5" SATA bay, cannot be available when 2nd Quadro P2000 is used Bay 3 – Secondary disk bay, 3.5" or 2.5" Bay 4 – 5.25" Flex bay, supports one of the following: • Flex module for optional front eSATA/Thunderbolt/IEEE1394 • 3rd disk bay, 3.5" or 2.5", removable, via Front Access Storage Enclosure, using SATA 4 connector as eSATA mode • 3rd disk bay, 3.5" or 2.5", via 5.25" to 3.5" HDD Kit Bay 5 – 9mm Slim ODD bay M.2 – 3x M.2 SSD (1 onboard, 2 via PCIe to M.2 adapter)
Media reader	Optional SD card reader on most models
Network interfaces	One onboard GbE port via integrated gigabit ethernet Intel i219LM, supports Wake-on-LAN. Optional PCIe ethernet adapters are available
WLAN + Bluetooth	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
Security features	Power-on and admin password. Trusted Platform Module, TCG 2.0 compliant. Optional chassis intrusion switch, e-loack, cable lock, Kensington lock, and pad lock
Intel vPro	Supports Intel vPro on Xeon models. vPro also requires Wireless-AC 9560 if Wi-Fi is needed
Intel AMT	Intel Active Management Technology 12 on Xeon models, Intel Standard Manageability on other models
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
HD Audio	Intel HD Audio interface with Realtek ALC233 Codec
Front ports	2x USB 3.1 Gen 1 Type A. 2x USB 3.1 Gen 2 Type A. 1x USB 3.1 Gen 1 Type-C. 1x Mic-in. 1x Combo jack
Rear ports	2x USB 3.1 Gen 1 Type A. 2x USB 2.0 Type-A. 1x RJ-45. 1x COM. 2x DP. 1x Audio line-out *Notes: DP needs Core, Pentium, or -G suffix Xeon processor*
Optional front ports (on flex module)	2x Thunderbolt (USB Type-C), one of two ports supports video-out. 1x eSATA. 1x IEEE1394
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 3.0. 1x Thunderbolt. *Notes: DP or HDMI needs Core, Pentium, or -G suffix Xeon processor*
Temperature	Operating: 41 °F to 104 °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)

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



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