ThinkStation P720 30BA00C2--

Region

WE

Machine Type

30BA

TopSeller

TopSeller

Processor

2x Xeon Silver 4114 10C/2.2GHz/13.75MB/85W/DDR4-2400

Graphics

Open

Memory

2x 16GB RDIMM DDR4-2666 ECC

Storage Controller

Integrated Intel SATA

M.2 RAID Upgrade

None

Disks

None

M.2 Drives

1x 512GB SSD M.2 PCle Opal, Onboard

Optical

1x HH DVD±RW

Media Reader

9-in-1

Additional Networking

None

Power Supply

Fixed 690W Platinum

Optional Ports

1x Serial

Front Diagnostic LED

None

Keyboard / Mouse

USB / USB Opt

Operating System

Windows 10 Pro 64

Warranty

3-year, Onsite

Global

No

End of Support

Mar 27, 2024

Ann Date (mm/yy)

02/18

Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "**" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



www.lenovo.com

This publication was developed for products and services offered in the United States and E.M.E.A countries. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or ftness for a particular purpose.



http://psref.lenovo.com

Visit psref website for the latest version of Product Specifications Reference.
© Lenovo, 2018. All rights reserved.



ThinkStation P720 Platform Specifications

Components	Specification							Components
Form factor	36L Tower							
Dimensions	175mm/6.89" V	Security features						
Weight	Maximum configuration: 52.25 lb (23.7kg)						1	
Processor	Up to two 150W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 26 cores at 2.0GHz, up to 3.6GHz with 4 cores. Two processors are connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s							Systems management
Chipset	Intel C621 Chipset							Base warranty
Memory	Up to 12 DIMM channels. RDIM	HD Audio						
Memory capacity		ith 12	x 32GB	RDIMMs	and two processors			Front ports
Memory protection								<u> </u>
	Up to three PCIe 3.0 x16 slots depending on the processors installed (see Expansion slots section). Up to one NVIDIA Quadro P6000, or up to two Quadro P5000, Quadro P4000, or NVS 810, other graphics adapters under 75W up to 3, 900W PSU is needed. Supports the following graphics adapters:							Rear ports
	Adapter		Memory		Connector	SLI		Optional ports
	NVS 310	48	1GB	19.5W	2xDP	1		
	NVS 315	48	1GB	19.3W	2xDVI-I SL/2xDP			
Graphics	NVS 510	192	2GB	33.4W	4xmini DP			ļ
•	NVS 810	1024	4GB	68W	8xmini DP	1		Power supply
	Quadro P400	256	2GB	30W	3xminiDP			
	Quadro P600	384	2GB	45W	4xminiDP			
	Quadro P1000 Quadro P2000	640	4GB	50W	4xminiDP			
	Quadro P2000 Quadro P4000	1024 1792	5GB 8GB	75W 120W	4xDP 4xDP			
	Quadro P5000	2560	16GB	180W	DVI-D DL+4xDP	SLI		
	Quadro P6000	3840	24GB	250W	DVI-D DL+4xDP	SLI		
Storage controllers	RAID 0/1/10 with Intel NVMe RAID upgrade basic, optional RAID 0/1/10/5 with Intel NVMe RAID upgrade premium. Optional Broadcom 9440-8i, PCIe adapter, 12Gbps, SATA/SAS, RAID 0/1/10/5. Or optional Broadcom 9460-16i with 4GB DDR4 memory and SuperCap, PCIe adapter, 12Gbps, SATA/SAS, RAID 0/1/10/5/6							specification
5.25" flex bay	Two 5.25" flex bays, supports the following options: • Up to two half-height optical drives. • Up to two 5.25" slim ODD cages, each supports one 9.0mm optical drive. • Up to one 5.25" slim ODD and HDD cage for one 9.0mm optical drive plus one 3.5" or 2.5" SATA disk. • Up to one Front Access Storage Enclosure for one 3.5" or 2.5" SATA disk • Up to one flex module for one or more of the following options: 9.0mm optical/ 15-in-1 USB 3.0 reader/front eSATA/front Thunderbolt/4-digit diagnostic display					ISV certifications Audio ports Option serial		
Disk drive bays	Up to four internal 3.5" drive bays. Two standard, two optional. Each bay supports one 3.5" or 2.5" SATA/SAS disk (SAS disk support needs 9440-8i or 9460-16i). Selected models supports four internal 3.5" dual drive bays, each bay supports one 3.5" HDD plus one 2.5" SATA SSD, or two 2.5" SATA/SAS disks. Supports up to four 2.5" U.2 SSD on selected models. Up to two 2.5" or 3.5" SATA disk drives on 5.25" flex bays via one 5.25" Front Access Storage Enclosure plus one 5.25" slim ODD and HDD cage Up to 9 x M.2 PCIe NVMe SSD:					2xUSB 3.0+GbE— Slot 1 — Slot 2 — Slot 3 —		
M.2 slots	 Up to 9 x M.2 PCle NVMe SSD: Two onboard M.2 slots. Up to one full height, full length PCle 3.0 x16 adapter, supports four M.2 slots. Up to three PCle 3.0 x4 adapters, each adapter supports one M.2 slot Note: Supports RAID 0/1 on onboard M.2 disks and RAID 0/1/10/5 on quad M.2 PCle x16 adapter, NVMe RAI. upgrade is needed 					Slot 4 — Slot 5 — Slot 6		
Internal storage	HDD 7.2K 3.5" SATA6Gbps					Į		
Media reader	9-in-1 USB 2.0 card reader on most models. Optional UHS-II 15-in-1 USB 3.0 reader on flex module							
Network interfaces					ntel i219LM and i210AT), Cle ethernet or wireless a			

	Components	Specifica	tion						
	Security features	Power-on and admin password. Trusted Platform Module, TCG 2.0 compliant, switch to 1.2 via UEFI setting. Chassis intrusion switch. Optional access pane lock, Kensington lock, and pad lock							
	Systems management	Intel Active Management Technology 11. Front panel warning LED. ThinkStation Diagnostics for Windows. Photo-audio transfer with Lenovo PC Diagnostics for Android and iOS. Optional front 4-digit diagnostic display on flex module							
-	Base warranty	1 or 3-year limited onsite service with 9x5/NBD							
	HD Audio	Realtek ALC662 codec							
	Front ports	Four USB 3.0 (includes one 11W charging), one combo audio/microphone jack (3.5mm)							
	Rear ports	Two USB 2.ó, four USB 3.0, two ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2							
	Optional ports	Supports the following optional ports: Optional COM port Two USB Type-C ports via PCle adapter, USB 3.1 gen 2. One 15W, one 5W Two Thunderbolt ports (USB Type-C) on flex module, one of two ports supports video-out. One eSATA on flex module One internal USB 3.0 port							
	Power supply		ne fixed 690W or 900W, autosensing, 92%, 80 PLUS Platinum qualified						
		Temperature	- operating	50 °F to 95 °F (10 °C to 35 °C)					
		Temperature	- non operating (no package)	14 °F to 140 °F (-10 °C to 60 °C)					
		Temperature	- non operating (with package)	e) -40 °F to 140 °F (-40 °C to 60 °C)					
		Altitude - op	erating	(Unpressurized): 0-10000ft (0-3048m)					
		Humidity - o	perating	10%~80%, non-condensing					
. 11		Humidity - st	orage (with package)	10%~90%, non-condensing					
	Environmental	RoHS-compliant. GREENGUARD. EPEAT Gold rating and ENERGY STAR 6.1 qualified on following models:							
	specification	Model	30BA0007US		30BA0008US	30BA0008US			
		Processor							
		Memory 2 x 8GB RDIMM DDR4-2666 E							
		Disks	2x1TB HDD 7.2K 3.5" SA						
\exists		Graphics NVIDIA Quadro P4000				8GB			
		Optical	HH DVD±RW	HH DVD±RW					
		PSU OS	690W		900W Win10 Pro 64				
		OS Win10 Pro 64 Win10 Pro 64							

Audio ports Option serial PS/2 2xUSB 2.0-2xUSB 3.0+GbE-2xUSB 3.0+GbE-Slot 1 — Slot 2 — Slot 3 — Slot 4 — Slot 5 — Slot 6 —

Expansion slots

Please visit www.thinkworkstations.com/isv-certifications/

Expansion slots				
Slot 1 (CPU2)	PCIe 3.0 x16, full height, full length, 75W			
	PCIe 3.0 x16, full height, full length, 75W, double-width			
Slot 3 (CPU1)	PCIe 3.0 x8, full height, full length, 25W, open ended			
	PCIe 3.0 x16, full height, full length, 75W, double-width			
Slot 5	PCI, full height, full length, 25W			
	PCIe 3.0 x4, full height, half length, 25W, open ended			

900W PSU supports two 6+2-pin aux power connectors. 690W PSU supports one 6+2-pin aux power connector.

Note: All expansion cards are optional

