ThinkStation P920 30BC001F**

Region
MEA

Machine Type
30BC

TopSeller
TopSeller

Processor
2x Xeon Gold 5118
12C/2.3GHz/16.5MB/105W/DDR4-2400

Graphics
1x NVIDIA Quadro P5000 16GB

Memory
4x 16GB RDIMM DDR4-2666 ECC

Storage Controller
Integrated Intel SATA

M.2 RAID Upgrade
None

Disks
1x 512GB SSD 2.5" SATA6Gbps Opal, 1x 1TB HDD 7.2K 3.5" SATA6Gbps

M.2 Drives
None

Optical
1x HH DVD±RW

Media Reader
9-in-1

Power Supply
Fixed 1400W Platinum

Optional Ports
1x Serial

Front Diagnostic LED
4-digit LED

Keyboard / Mouse
USB / USB Optical

Operating System
Windows 10 Pro 64

Warranty
3-year, Onsite

Global
No

End of Support
Mar 9, 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

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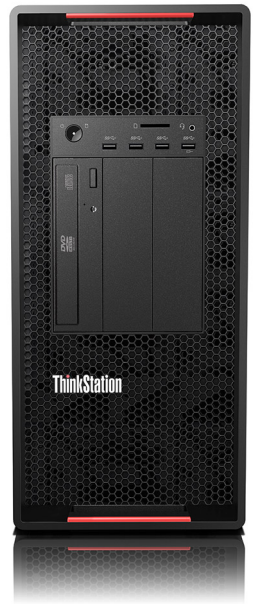


ThinkStation P920 Platform Specifications

Components	Specification
Form factor	55L Tower
Dimensions	200mm/7.87" W x 620mm/24.4" D x 446mm/17.56" H (with feet)
Weight	Maximum configuration: 71.3 lb (32.3kg)
Processor	Up to two 205W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 28 cores at 2.5GHz, up to 3.6GHz with 4 cores. Two processors are connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s
Chipset	Intel C621 Chipset
Memory	Up to 16 DIMM sockets. Each processor supports up to 8 DIMM sockets with 6 channels. DDR4-2666. RDIMMs and LRDIMMs are supported, but memory types cannot be intermixed
Memory capacity	Up to 512GB with 16 x 32GB RDIMMs and two processors. Or up to 1TB with 16 x 64GB LRDIMMs and two processors
Memory protection	ECC
Graphics	Up to five PCIe 3.0 x16 slots depending on the processors installed (see Expansion slots section). Up to three NVIDIA Quadro P6000 or Quadro P5000, or up to four Quadro P4000, or up to two NVS 810. Other graphics adapters under 75W up to 5. Supports the following graphics adapters:

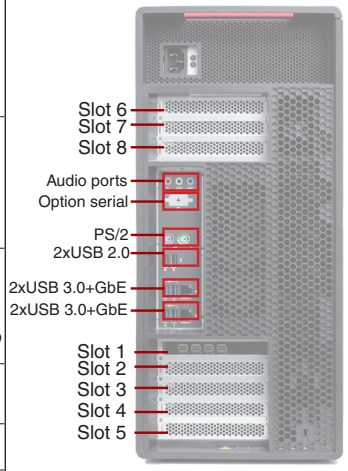
Adapter	Cores	Memory	Power	Connector	SLI
NVS 310	48	1GB	19.5W	2xDP	
NVS 315	48	1GB	19.3W	2xDVI-I SL/2xDP	
NVS 510	192	2GB	33.4W	4xmini DP	
NVS 810	1024	4GB	68W	8xmini DP	
Quadro P400	256	2GB	30W	3xminiDP	
Quadro P600	384	2GB	45W	4xminiDP	
Quadro P1000	640	4GB	50W	4xminiDP	
Quadro P2000	1024	5GB	75W	4xDP	
Quadro P4000	1792	8GB	120W	4xDP	
Quadro P5000	2560	16GB	180W	DVI-D DL+4xDP	SLI
Quadro P6000	3840	24GB	250W	DVI-D DL+4xDP	SLI

Storage controllers	Integrated Intel SATA AHCI/RAID controller in chipset, 6Gbps SATA, RAID 0/1/10/5. Integrated Intel PCIe host in processor for M.2 PCIe NVMe drives, optional 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
5.25" flex bay	Three 5.25" flex bays, supports the following: • Up to three 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) *Note: Only one can be supported from 15-in-1 reader and Thunderbolt*
Disk drive bays	Four internal 3.5" dual drive bays (two standard, two optional), supports up to eight 2.5" SATA SSD or 2.5" SAS HDD, or up to four 3.5" SATA HDD (over 6 disk drives or SAS disk support needs 9440-8i or 9460-16i). Supports up to four 2.5" U.2 SSD on selected models. Supports up to two 2.5" or 3.5" SATA disks on 5.25" flex bays via one 5.25" Front Access Storage Enclosure plus one 5.25" slim ODD and HDD cage
M.2 slots	Up to 9 x M.2 PCIe NVMe SSD: • Two onboard M.2 slots. • Up to one full height, full length PCIe 3.0 x16 adapter, supports four M.2 slots. • Up to three PCIe 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 PCIe x16 adapter, NVMe RAID upgrade is needed*
Internal storage	HDD 7.2K 3.5" SATA6Gbps: 1TB/2TB/4TB/6TB SSD 2.5" SATA6Gbps: 256GB Opal/512GB/512GB Opal/1TB Opal/2TB Opal M.2 PCIe NVMe, PCIe 3.0 x4: 256GB Opal/512GB Opal/1TB Opal
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	Integrated two-port gigabit ethernet (Intel i219LM and i210AT), supports Wake-on-LAN on both two ports. Optional PCIe ethernet or wireless adapters are available

Components	Specification
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 panel lock, Kensington lock, and pad lock
Systems management	Intel Active Management Technology 11. Front 4-digit diagnostic display. ThinkStation Diagnostics for Windows. Photo-audio transfer with Lenovo PC Diagnostics for Android and iOS
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 2.0, 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 PCIe 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	One fixed 1400 watts, autosensing, 92% PSU, 80 PLUS Platinum qualified. Countries with input voltage under 115V, output power limited to 1125 watts
Environmental specification	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): -40 °F to 140 °F (-40 °C to 60 °C) Altitude - operating: (Unpressurized): 0-10000ft (0-3048m) Humidity - operating: 10%~80%, non-condensing Humidity - storage (with package): 10%~90%, non-condensing RoHS-compliant. GREENGUARD. EPEAT Gold rating and ENERGY STAR 6.1 qualified on following models:

Model	30BC0008US	30BC0009US
Processor	2 x Intel Xeon Gold 5115	2 x Intel Xeon Gold 5120
Memory	4 x 8GB RDIMM DDR4-2666 ECC	4 x 8GB RDIMM DDR4-2666 ECC
Disks	2 x 256GB SSD 2.5"SATA6Gbps Opal	2 x 512GB SSD 2.5" SATA6Gbps
Graphics	NVIDIA Quadro P4000 8GB	NVIDIA Quadro P5000 16GB
Optical	HH DVD±RW	HH DVD±RW
PSU	1400W PSU	1400W PSU
OS	Win10 Pro 64	Win10 Pro 64

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



Expansion slots

Slot 1 (CPU1)	PCIe 3.0 x16, full height, full length, 75W, double-width
Slot 2 (CPU1)	PCIe 3.0 x4, full height, full length, 25W, open ended
Slot 3 (CPU1)	PCIe 3.0 x16, full height, full length, 75W, double-width
Slot 4 (CPU1)	PCIe 3.0 x4, full height, full length, 25W, open ended
Slot 5 (PCH)	PCIe 3.0 x4, full height, half length, 25W, open ended
Slot 6 (CPU2)	PCIe 3.0 x16, full height, half length, 75W
Slot 7 (CPU2)	PCIe 3.0 x16, full height, full length, 75W, double-width
Slot 8 (CPU2)	PCIe 3.0 x16, full height, full length, 75W

Supports two 6+2-pin aux power connectors on slot 1 - 5, one 6+2-pin and one 6-pin aux power connectors on slot 6 - 8.

Note: All expansion cards are optional

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