ThinkStation P920 Platform Specifications

Components	Specification						Components	Specification
Form factor	55L Tower							Four internal 3.5" dual drive bays (two standard, two optional), supports up to
Dimensions	200mm/7.87" W x 620mm/24.4" D x 446mm/17.56" H (with feet)						Disk drive bays	eight 2.5" SATA SSD, or up to four 3.5" SATA HDD. Over 6 disk drivesneeds
Weight	Maximum configuration: 71.3 lb (32.3kg)							9440-8i or 9460-16i. Supports up to four 2.5" U.2 SSD on selected models.
	Up to two 205W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or							Supports up to two 2.5" or 3.5" SATA disks on 5.25" flex bays via one 5.25"
	Platinum. Up to 28 c	ores a	t 2.5GHz, up to	3.6GHz	with 4 cores. Two process	sors are		Front Access Storage Enclosure plus one 5.25" slim ODD and HDD cage
	connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s							Up to 9 x M.2 PCIe NVMe SSD: Two onboard M.2 slots.
Chipset	Intel C621 Chipset						M.2 slots	 Up to one full height, full length PCle 3.0 x16 adapter with four M.2 slots.
	Up to 16 DIMM sockets. Each processor supports up to 8 DIMM sockets with 6							Up to three PCle 3.0 x4 adapters, each adapter supports one M.2 slot.
	channels. DDR4-2666. RDIMMs and LRDIMMs are supported, but memory types							• 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,
	cannot be intermixed							NVMe RAID upgrade is needed Integrated Intel PCIe host in processor for M.2 PCIe NVMe drives, optional
Memory capacity	Up to 512GB with 16 x 32GB RDIMMs and two processors. Or up to 1TB with 16 x						M.2 RAID	RAID 0/1/10 with Intel NVMe RAID upgrade basic, optional RAID 0/1/10/5
, , ,	64GB LRDIMMs and two processors							with Intel NVMe RAID upgrade premium.
Memory protection	EUU							HDD 7.2K 3.5" SATA6Gbps 1TB/2TB/4TB/6TB
Expansion sists	Slot 1 (CPU1) PCIe 3.0 x16, full height, full length, 75W, double-width						Internal storage	HDD 7.2K 2.5" SATA6Gbps 500GB FIPS
	Slot 2 (CPU1) PCIe 3.0 x4, full height, full length, 25W, open ended							SSD 2.5" SATA6Gbps 256GB Opal/512GB/512GB Opal/1TB Opal/2TB Opal M.2 PCle NVMe, PCle 3.0 x4 256GB Opal/512GB Opal/1TB Opal/2TB Opal
	Slot 1 (CPU1) PCle 3.0 x16, full height, full length, 75W, double-width Slot 2 (CPU1) PCle 3.0 x4, full height, full length, 25W, open ended Slot 3 (CPU1) PCle 3.0 x16, full height, full length, 75W, double-width Slot 4 (CPU1) PCle 3.0 x4, full height, full length, 25W, open ended Slot 5 (PCH) PCle 3.0 x4, full height, half length, 25W, open ended							9-in-1 USB 2.0 card reader on most models. Optional UHS-II 15-in-1 USB 3.0
							Media reader	reader on flex module
	Slot 6 (CPU2) PCIe 3.0 x16, full height, half length, 75W							Integrated two-port gigabit ethernet (Intel i219LM and i210AT), supports
	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						Network interfaces	Wake-on-LAN on both two ports. Optional PCIe ethernet or wireless adapters
								are available
	Up to five PCIe 3.0 x	(16 SIC	ots depending on	the pro	ocessors installed (see Ex	pansion		Power-on and admin password. Trusted Platform Module, TCG 2.0 compliant,
	slots section). Up to three NVIDIA Quadro P6000 or Quadro P5000, or up to four							switch to 1.2 via UEFI setting. Chassis intrusion switch. Optional access panel
	Quadro P4000, or up to two NVS 810. Other graphics adapters under 75W up to 5. Supports the following graphics adapters:					up 10 5.	,	lock, Kensington lock, and pad lock
							Systems	Intel Active Management Technology 11. Front 4-digit diagnostic display.
	Adapter	apter Cores Memory Fower Connector SEI					management	ThinkStation Diagnostics for Windows. Photo-audio transfer with Lenovo PC
	NVS 310 NVS 315	48	1GB DDR3 1GB DDR3	19.5W 19.3W	2xDP 2x DVI-I SL, 2x DP		1	Diagnostics for Android and iOS
	NVS 510	192	2GB DDR3	33.4W	4xmini DP		Base warranty	1 or 3-year limited onsite service with 9x5/NBD
	NVS 810	1024	4GB DDR3	68W	8xmini DP		HD Audio	Realtek ALC662 codec
	Quadro P400	256	2GB GDDR5	30W	3xminiDP		Front ports	Four USB 3.0 (includes one 11W charging), one combo audio/microphone
	Quadro P600	384	2GB GDDR5	45W	4xminiDP			jack (3.5mm)
	Quadro P620	512	2GB GDDR5	40W	4x miniDP		Rear ports	Two USB 2.0, four USB 3.0, two ethernet (RJ-45), three analog audio ports
	Quadro P1000	640	4GB GDDR5	50W	4xminiDP		Total p = 1 1	(line-in, line-out, mic-in), two PS/2
	Quadro P2000	1024	5GB GDDR5	75W	4xDP		Optional ports	Supports the following optional ports:
	Quadro P4000	1792	8GB GDDR5	120W	4xDP	01.1		 Optional COM port Two USB Type-C ports via PCIe adapter, USB 3.1 gen 2. One 15W, one 5W
	Quadro P5000	2560	16GB GDDR5X	180W	DVI-D DL+4xDP DVI-D DL+4xDP	SLI SLI		Two Thunderbolt ports (USB Type-C) on flex module, one of two ports
	Quadro P6000 Quadro GP100	3840 3584	24GB GDDR5X 16GB HBM2	250W 235W	1xDVI-D DL, 4xDP	NVLink	-ll ' '	supports video-out.
						NVLink		One eSATA on flex module
	Tesla M60							One internal USB 3.0 port
	Geforce GTX 1060	1280	6GB GDDR5	120W	DVI-D DL, HDMI, 3x DP			One fixed 1400 watts, autosensing, 92% PSU, 80 PLUS Platinum qualified.
	Geforce GTX 1070 1920 8GB GDDR5 150W DVI-D DL, HDMI, 3x DP						Power supply	Supports three 6+2-pin aux power connectors. Countries with input voltage
		Geforce GTX 1080 2560 8GB GDDR5X 180W DVI-D DL, HDMI, 3x DP						under 115V, output power limited to 1125 watts
	Radeon Pro WX4100	1024	4GB GDDR5	50W	4x miniDP		4	Temperature - operating 50 °F to 95 °F (10 °C to 35 °C)
	Radeon Pro WX5100 1792 8GB GDDR5 75W 4x DP Radeon Pro WX7100 2304 8GB GDDR5 130W 4x DP							Temperature - non operating (no package) 14 °F to 140 °F (-10 °C to 60 °C)
							1	Temperature - non operating (with package) -40 °F to 140 °F (-40 °C to 60 °C)
	Notes: Parts in red text are SBO.					/4 /4 0 / =		Altitude - operating (Unpressurized): 0-10000ft (0-3048m)
Storage controllers	Integrated Intel SATA AHCI/RAID controller in chipset, 6Gbps SATA, RAID 0/1/10/5.						Environmental specification	Humidity - operating 10%~80%, non-condensing Humidity - storage (with package) 10%~90%, non-condensing
	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							Humidity - storage (with package) 10%~90%, non-condensing
	adoptor 10Chpa CATA/CAC BAID 0/1/10/E/G							RoHS-compliant. GREENGUARD. EPEAT Gold rating and ENERGY STAR
	Three 5.25" flex bays, supports the following:							6.1 qualified on following models:
5.25" flex bay	Up to three half-height optical drives.							Model 30BC0008US 30BC0009US
	 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/front USB 3.0 Type-C/4-digit diagnostic display Up to three Front Removable Drive Enclosure, supports one M.2 SSD each. Each 							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 1400W PSU Wind O Pro C4
								OS Win10 Pro 64 Win10 Pro 64
	Front Removable Drive Enclosure comes with a PCle x4 adapter						ISV certifications	Please visit www.thinkworkstations.com/isv-certifications/
	Note:							
	Only one can be supported from 15-in-1 reader, Thunderbolt, and 4-digit display Up to two ports are suppported from 1394, eSATA, and USB Type-C							
	ב. סף נט נייט ףטרנט מום טעףףףטרנסט ווטווו וטסיי, סטחות, מווט טסט וציףטייט							Lenovo, August 2018