ThinkStation P920 30BC001DGE

Region
WE

Country
Germany

Machine Type
30BC

TopSeller
TopSeller

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

Memory
2x 16GB RDIMM DDR4-2666 ECC

Discrete Graphics Card
Open

Monitor Cable
None

Storage Controller
Integrated Intel SATA

Internal Disks
1x 512GB SSD 2.5" SATA6Gbps Opal

Disks in Flex Bay
None

Flex Bay
None

M.2 RAID
None

M.2 Drives - Onboard
None

M.2 Drives - via Quad M.2 PCIe adapter
None

M.2 Drives - via Single M.2 PCIe adapter
None

M.2 Drives - Front Removable
None

PCIe SSD Adapter
None

Optical
1x HH DVD±RW

WLAN + Bluetooth
None

Media Reader
9-in-1

Available Networking Ports
2x GbE

Chassis Intrusion Switch
Chassis Intrusion Switch

Cover Lock
Lock Kit with Common Key

Front Diagnostic LED
4-digit LED

System Management
Intel AMT 11

Thunderbolt Ports
None

USB Type-C Ports
None

Optionl Legacy Ports (COM/1394/eSATA/Parallel)
1x COM, on Rear

Internal USB
None

Power Supply
Fixed 1400W Platinum

Keyboard
USB Full

Mouse
USB Optical

Operating System
Windows 10 Pro 64 for Workstations

Warranty
3-year, Onsite

Global
No

End of Support
2024/03/09

Ann Date
2018/02/09

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 specifcations 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 Specifcations Reference.

© Lenovo, 2018. All rights reserved.



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
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
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 DDR3	19.5W	2xDP	
NVS 315	48	1GB DDR3	19.3W	2x DVI-I SL, 2x DP	
NVS 510	192	2GB DDR3	33.4W	4xmini DP	
NVS 810	1024	4GB DDR3	68W	8xmini DP	
Quadro P400	256	2GB GDDR5	30W	3xminiDP	
Quadro P600	384	2GB GDDR5	45W	4xminiDP	
Quadro P620	512	2GB GDDR5	40W	4x miniDP	
Quadro P1000	640	4GB GDDR5	50W	4xminiDP	
Quadro P2000	1024	5GB GDDR5	75W	4xDP	
Quadro P4000	1792	8GB GDDR5	120W	4xDP	
Quadro P5000	2560	16GB GDDR5X	180W	DVI-D DL+4xDP	SLI
Quadro P6000	3840	24GB GDDR5X	250W	DVI-D DL+4xDP	SLI
Quadro GP100	3584	16GB HBM2	235W	1xDVI-D DL, 4xDP	NVLink
Quadro GV100	5120	32GB HBM2	250W	4xDP	NVLink
Tesla M60	4096	16GB GDDR5	300W		
Geforce GTX 1060	1280	6GB GDDR5	120W	DVI-D DL, HDMI, 3x DP	
Geforce GTX 1070	1920	8GB GDDR5	150W	DVI-D DL, HDMI, 3x DP	
Geforce GTX 1080	2560	8GB GDDR5X	180W	DVI-D DL, HDMI, 3x DP	
Radeon Pro WX4100	1024	4GB GDDR5	50W	4x miniDP	
Radeon Pro WX5100	1792	8GB GDDR5	75W	4x DP	
Radeon Pro WX7100	2304	8GB GDDR5	130W	4x DP	

Notes: Parts in red text are SBO.

Storage controllers	Integrated Intel SATA AHCI/RAID controller in chipset, 6Gbps SATA, RAID 0/1/10/5. 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/front USB 3.0 Type-C/ 4-digit diagnostic display • Up to three Front Removable Drive Enclosure, supports one M.2 SSD each. Each Front Removable Drive Enclosure comes with a PCIe x4 adapter *Note:* *1. Only one can be supported from 15-in-1 reader, Thunderbolt, and 4-digit display* *2. Up to two ports are suppported from 1394, eSATA, and USB Type-C*

Components	Specification
Disk drive bays	Four internal 3.5" dual drive bays (two standard, two optional), supports up to eight 2.5" SATA SSD, or up to four 3.5" SATA HDD. Over 6 disk drivesneeds 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 with 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*
M.2 RAID	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.
Internal storage	HDD 7.2K 3.5" SATA6Gbps: 1TB/2TB/4TB/6TB HDD 7.2K 2.5" SATA6Gbps: 500GB FIPS 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/2TB 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
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. Supports three 6+2-pin aux power connectors. 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:
ISV certifications	Please visit www.thinkworkstations.com/isv-certifications/

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

ThinkStation P920











