Supermicro Workstation 5049A-TR

Highlights

Single CPU Extreme Workstation. High end GPU Workstaton for real-time design, 8K production and Deep Learning.

Reduce cost and time spending with our global partner model based on your specific requirements. Let Blue Line take responsibility for delivery on time. Blue Line's ultimate goal is to help our customers get peace of mind by handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling etc. Ask for references from your industry.

- Workstation tower
- Option for 4U rack mount kit
- 1 x Intel Xeon W-3200 Series or Intel 2nd generation Xeon Scalable
- 4 PCI-E 3.0 x16 supports up to 4 dual width GPU
- 8 x Hot-swap 3.5" drive bays
- 2200W Redundant Power Supplies Titanium Level
- Build-to-order configured to the requirements

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Specifications

Model Type

Workstation

Form Factor

4U rackmount / tower (option for rackmount kit)

Cooling

4 x 92mm hot-swap fans

2 x 80mm rear hot-swap exhaust PWM fans

Environment

Operating temperature	10°C to 35°C
Non-operating temperature	-40°C to 60°C
Operating humidity	8% to 90% (non-condensing)
Non-operating humidity	5% to 95% (non-condensing)

Processor

CPU	Single Socket P (LGA 3647)
	2nd Gen Intel Xeon Scalable Processors*
	Intel Xeon W-32xx Processors
	Supports CPU TDP up to 205W
Cores	Up to 28 Cores
Notice*	BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon Scalable processors (codenamed Cascade Lake-R). Please contact Blue Line for additional information

Chipset

Intel C621

RAM

Memory capacity	12 DIMM slots
	Intel Xeon Scalable Processors: Supports up to 3TB 3DS ECC RDIMM, DDR4-2933MHz; up to 2TB 3DS ECC LRDIMM, DDR4-2933MHz; or 3TB DCPMM, DDR4-2666MHz, in 12 DIMM slots
	Intel® Xeon® W-3200 Processors: Supports up to 2TB 3DS ECC RDIMM/LRDIMM; up to 1TB 3DS RDIMM/LRDIMM

Storage

8 x Hot-swap 3.5" SAS3/SATA3 drive bays (SATA3 default)

3 x 5.25" drive bays

Input / Output

Rear	1 x RJ45 gigabit ethernet LAN port 1 x RJ45 10GBase-T ethernet LAN port 1 x RJ45 dedicated IPMI LAN port
	6 x USB 3.1 Gen1 ports (4 rear, 2 headers) 4 x USB 3.1 Gen2 ports (1 rear Type A + 1 rear Type C) 2 x USB 2.0 ports (2 headers, type A)
	1 x VGA port
Internal	8 x SATA3 (6Gbps) ports
	7.1 HD Audio with optical S/PDIF
	1 x COM port (header)
	2 x SuperDOM (Disk on Module) ports
	1 x TPM 2.0 Header

Expansion

4 x PCI-E 3.0 x16 slots

3 x PCI-E 3.0 x8 (in x16 slot)

PCI-E x16 Slot#1 shares with M.2, Slot#2 shares with Slot#3 (NA/16,8/8), Slot#4 shares with Slot#5 (NA/16,8/8), Slot#6 shares with Slot#7 (NA/16,8/8) (16/NA/16/NA/16/NA/16 or 16/8/8/8/8/8/8)

M.2 Interface: PCI-E 3.0 x4

Form Factor: 2260, 2280, 22110

Key: M-Key

M.2 shares PCI-E lanes with PCI-Ex16 slot#1, VROC key is required for RAID

Management Software

Intel Node Manager

IPMI 2.0

SSM, SPM, SUM

SuperDoctor 5

Watchdog

Operating System

Windows 10

Windows Server 2019

Linux

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Power Supply

	2200W redundant power supplies with PMBus
Total output power and input	1200W with input 100 to 127Vac 1800W with input 200 to 220Vac 1980W with input 220 to 230Vac 2090W with input 230 to 240Vac 2200W with input 220 to 240Vac (for UL/cUL use only) 2090W with input 230 to 240Vdc (for CCC only)
AC input frequency	50 to 60Hz
+12V	max: 100A / Min: 0A (100 to 127Vac) max: 150A / Min: 0A (200 to 220Vac) max: 165A / Min: 0A (220 to 230Vac) max: 174.17A / Min: 0A (230 to 240Vac) max: 183.3A / Min: 0A (220 to 240Vac)
5Vsb	max: 1A / Min: 0A
Output type	Backplanes (gold finger)

Dimension and Weight

H 460 x W 178 x D 673mm	Gross weight: 32.66kg Net weight: 25.85kg

Accessories Optional

CBL-PWEX-1040	Adapter cable converts 8M/CPU to two (2x3F+2x1F)/PCIe. This is required for GeForce and Quadro video cards
MCP-220-93801-0B	Black Hotswap Gen 6 3.5 to 2.5 HDD Tray
AOC-S3008L-L8E	Std LP, 8 internal ports, 12Gb/s per port- Gen-3, 122HDD - HBA
AOC-S3008L-L8i	Std LP, 8 internal ports, 12Gb/s per port- Gen-3, 63HDD - RAID 0,1,10
AOC-S3108L-H8iR	Std LP, 8 internal ports, 12Gb/s per port- Gen3, 240HDD, RAID 0, 1, 5, 6, 10, 50, 60
AOC-S3108L-H8iR-16DD	Std LP, 8 internal ports, 12Gb/s per port- Gen3, 16HDD, RAID 0, 1, 5, 6, 10, 50, 60
BTR-TFM8G-LSICVM02	LSI Supercap w 8GB CV 24 cable (whole kit)
BKT-BBU-BRACKET-05	Supercap mounting bracket for PCI-E location
Intel VROC	Intel VROC, RAID 0, 1, 5, 10 for NMVe drive
MCP-290-00059-0B	Rail set+handles, quick/quick, optional for 4U 17.2"W tower
MCP-210-74703-0B	Front bezel cover (for 5.25" bay) for rackmount

Warranty and After Sales Support

- Standard 1 year hardware warranty for barebone
- 3 year hardware warranty & 1 year cross shipment for complete system CPU / MEM / DISK
- Option for 5 year hardware warranty & 1 year cross shipment / 3 year hardware warranty & 3 year cross shipment