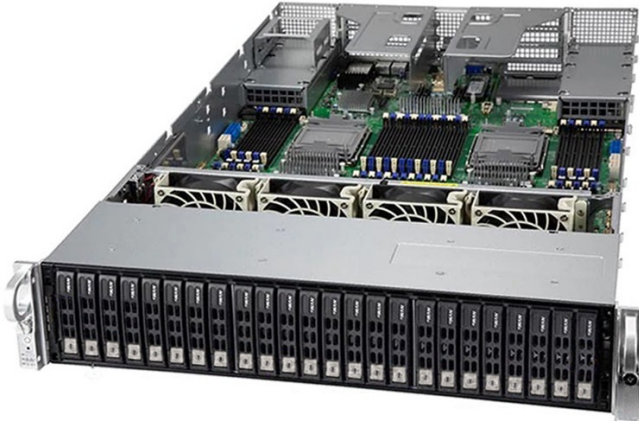


Multi-Processor Server: 2U4P-24N48-4189A

2U 4CPU, 24x U.2/SATA/SAS, 48x 8-Channel DDR4, 3rd Gen. Scalable Xeon



Key Features:

- Quad-Socket P+ for 3rd Gen. Intel® Scalable Xeon Processors
- 2U 24 x 2.5" NVMe U.2 4.0 / SATA/SAS Hot Swap Drives
- 48 DDR4 up to 12/18TB 8-Channel Intel® Optane® Memory
- 4 PCIe x16, 6 PCIe x8 Slots
- 4 x 10Gbit Ethernet (2 x RJ45, 2 x SFP+), IPMI 2.0
- 1 x OCP 3.0 PCIe 4.0 x16 for 2x100G QSFP28
- 2000W Titanium Redundant Power Supply
- For HPC, Compute Server, Database Server, AI Computing, etc.

Specifications:

Processor

- Quad 3rd Generation Intel® Scalable Xeon
- Socket P+ (LGA 4189), supports 250W, Up to 28 Core 56 Threads

Chipset

- Intel® C621x

Memory

- 48 DDR4 DIMM Sockets
- 8-channel memory bus per processor
- Supports up to 12TB ECC DDR4 3200MHz RDIMM
- Supports up to 18TB Intel® Optane™ persistent memory 200 series

Storage

- 24 x 2.5" NVMe U.2 PCIe 4.0 / SATA / SAS* How Swap Bays
- Optional* Broadcom 3108/3808/3816/3916 for SAS (12Gb/s)
- 2 x M.2-2280 NVMe / SATA Slots

Network

- 2 x 10GbE BaseT RJ45, 2 x 10GbE SFP+ with Intel® X710-TM4
- 1 x OCP 3.0 (PCIe 4.0 x16) for Network Modules
- Network Modules are available with 2-4 ports of 1G/2.5G/10G/25G/100G RJ45/SFP+/SFP28/QSFP28
- RJ45 Gigabit LAN for IPMI 2.0 by AST2600
- Additional LAN or InfiniBand by PCIe add-on cards

Expansion Slot

- 4 x PCIe 4.0 x16 (Full Height)
- 6 x PCIe 4.0 x8 (2 FHFL, 4 Optional Low Profile)

Back I/O

- 1 x RJ45 IPMI
- 2 x RJ45 Ethernet, 2 x SFP+ Ethernet
- 1 x DB15 VGA, 2 x USB 3.0, 1 COM

Internal I/O

- 1 x TPM Header

BIOS

- AMI, Watchdog Supported

Chassis

- 2U Rackmount
- 24 x 2.5" NVMe U.2 4.0/SATA/SAS Hot Swap Drive Bays
- 4 x 8cm Cooling Fans
- Dimension: 3.5" (89mm) H x 17.3" (439mm) W x 31.6" (803mm) D
- System Weight: 46 lbs. (21kg) Net, 72 lbs. (33kg) Gross

Power Supply

- 2000W (1+1) Redundant Titanium Level with PMBus
- 1000W: 100-127Vac / 2000W: 220-240Vac Input

OS Supported

- Windows Server, Linux, FreeBSD, VMware

Applications

- HPC, Compute Server, Database Server, AI Computing.

Environments

- Operating Temperature: 0 to +35 C
- Non-operating Temperature: -40 to +60 C
- Vibration - Operating: 9.8 m/s²(1.0G) 5 to 500Hz
- Vibration - Non operating: 49 m/s²(5.0G) 15 to 500Hz
- Shock - Operating: 3,920 m/s² (400G) 2ms
- Shock - Non-Operating: 8,820 m/s² (900G) 1ms
- Operating Relative Humidity: 8% to 90% (non-condensing)
- Non-operating Relative Humidity: 5% to 95% (non-condensing)
- MTBF: 100,000 Hours
- FCC, CE, UL, RoHS Compliance

Model Name Definitions: 2U=2U Rack case, 4P=4 CPU, 24N=24x NVMe U.2/SATA/SAS Bays, 48=48 Memory sockets, 4189=CPU Socket, A=Generation.

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