



Multi Node / Compute Server: 2U4X-24N-E7003

2U 4 Node, 24x NVMe U.2/SATA, 3rd Gen. EPYC



Key Features:

- 2U 4 Node Compute Servers
- 6 x 2.5" NVMe U.2 4.0 / SATA Hot Swap Drives per Node
- Dual AMD® EPYC™ 7003/7002 Series Processors
- 16 DDR4 up to 8TB 8-Channel 3200MHz ECC Memory
- 2 x PCIe 4.0 x16 Low Profile Slots, M.2 NVMe 3.0 / SATA
- Network Module Slot (PCIe 4.0 x16) for Ethernet Module, IPMI 2.0
- 2200W Titanium Redundant Power Supply with PMBus
- For Virtual Server, Compute Server, Database Server, Cloud.

Specifications:

Processor

- Dual AMD EPYC™ 7003/7002 Series Processors per Node
- Socket SP3 (LGA 4094) supports 280W, Up to 64 Core 128 Threads

Memory

- 16 DDR4 DIMM Sockets per Node
- 8-channel memory bus per processor
- Supports up to 4TB ECC DDR4 3200MHz RDIMM per Node

Storage

- 4 x 2.5" NVMe U.2 PCIe 4.0/SATA+2 x SATA How Swap Bays per Note
- 4 NVMe (16GT/s) / 6 SATA (6Gb/s) RAID-0/1/5/10
- 1 x M.2-22110/2280 Sockets for NVMe 3.0 x4/SATA per Node
- 1 x SATA-DOM

Network

- 1 x Network Module Slot (PCIe 4.0 x16) for Network Module per Node
- 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 AST2500
- Additional LAN or InfiniBand by PCIe add-on cards

Expansion Slot

- 2 x PCIe 4.0 x16 (Low Profile L6.6") per Node
- 1 x Network Module slot (PCIe 4.0 x16) for Ethernet Module per Node

Graphics

- Aspeed AST2500 BMC VGA (DB15) per Node

Back I/O

- 1 x RJ45 IPMI, UID/LED
- 1 x DB15 VGA, 2 x USB 3.0
- Optional 2-4 RJ45/SFP+/SFP28/QSFP28 Ports

Internal I/O

- 1 x RS-232 COM port header, 1 x TPM Header

BIOS

- AMI, Watchdog Supported

Chassis

- 2U 4 Node Rackmount with 4 individual power button/LED, UID
- 24 x 2.5" NVMe U.2 4.0/SATA/SAS Hot Swap Drive Bays (6 per Node)
- 4 x 8cm Cooling Fans
- Dimensions: 3.47"(88mm) H x 17.68"(449mm) W x 28.75"(730mm) D
- System Weight: 60 lbs. (27 kg) Net, 90 lbs. (41kg) Gross

Power Supply

- 2 x 2200W Redundant Titanium Level with PMBus
- 1200W: 100-127Vac / 2200W: 220-240Vac Input

OS Supported

- Windows Server, Linux, FreeBSD, VMware

Applications

- Virtual Server, Compute Server, Database Server, Cloud 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, 4X= 4 MB Nodes, 24N=24x NVMe U.2/SATA Bays, E7003=3rd Gen. EPYC.

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