

AI / GPU Computing: 4UT4GPU-4189A

4U Tower 4xGPU Slots, 8x3.5", 16DIMM 2x10GbE, 3rd Gen. Scalable Xeon



Key Features:

- 4U/Tower 4 x GPU Slots for Nvidia® A100, A40 or RTX-A6000 Cards
- Dual Socket P+ for 3rd Gen. Intel® Scalable Xeon Processors
- 3x5.25", 4x3.5"/2.5" NVMe U.2, 4x3.5" SAS/SATA Hot Swap Bays
- 2 x M.2 NVMe 4.0 / SATA for OS Mirrored Drives
- 16 DDR4 up to 4TB 8-Channel Memory, supports Optane® Memory
- 6 PCIe 4.0 x16, 1 PCIe 4.0 x8 Slots
- 2 x 10Gbit Ethernet, IPMI 2.0
- 2 x 2200W Titanium Redundant Power Supply
- GPU Cluster for AI, Deep Learning, HPC.

Specifications:

Processor

- Dual 3rd Generation Intel® Scalable Xeon (Ice Lake Family)
- Socket P+ (LGA 4189), supports 270W, up to 40 Core 80 Threads

Chipset

- Intel® C621A

GPU

- 4 GPU Slots for Nvidia® A100, A40 or RTX-A6000 GPU Cards
- PCIe 4.0 x16 Direct Interconnect CPU-GPU

Memory

- 16 DDR4 DIMM Sockets
- 8-channel memory bus per processor
- Supports up to 4TB ECC DDR4 3200MHz RDIMM
- Supports up to 6TB Intel® Optane™ persistent memory 200 series

Storage

- 4 x 3.5/2.5" NVMe U.2 PCIe 4.0, 4 x 3.5" SATA Hot Swap Drive Bays
- 3 x 5.25" Front Access Drive Bays
- Intel® C621A 4 NVMe (16GT/s), 10 SATA (6Gb/s) RAID-0/1/5/10
- 2 x M.2-22110/2280 Sockets for NVMe 4.0 x4 / SATA RAID-1

Network

- 2 x 10GbBase-T Ethernet with Intel® X550
- RJ45 Gigabit LAN for IPMI 2.0 by AST2600 (KVM)
- Additional LAN or InfiniBand by PCIe add-on cards

Expansion Slot

- 4 x PCIe 4.0 x16 (Dual-Width, Full Height, Full Length)
- 2 x PCIe 4.0 x16, 1 x PCIe 4.0 x8 (Sing Width, FHFL)

Back I/O

- 1 x RJ45 IPMI Front, 1 x DB15 VGA, 3 x USB 3.0, 1 x Type-C, 1 COM

Other I/O

- 1 x USB 3.0 (Internal), 2 x USB 2.0 Header, 2 x USB 3.0 Header
- HD Audio / S/PDIF Header, 1 COM Header, 1 TPM header

BIOS

- AMI, Watchdog Supported

Chassis

- 4U Rackmount or Tower with Front Lockable Door
- 4 x 3.5/2.5" NVMe U.2, 4 x 3.5" SATA Hot Swap Drive Bays
- 3 x 5.25" Front Access Drive Bays
- Dimension: 18.1" (460mm) H x 7" (178mm) W x 26.5" (673mm) D
- System Weight: 67 lbs. (29kg) Net, 77 lbs. (33kg) Gross

Power Supply

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

OS Supported

- Windows Server, Linux

Applications

- GPU Cluster for AI, Deep Learning, HPC.

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