Tyrone Camarero Specifications

Camarero DA700TR-212R4

Key features

High Performance Computing, AI / Deep Learning
Supports up to 8 NVIDIA® HGX™ A100 GPUs; Highest GPU Communication
using NVIDIA® NVLINK™ + NVIDIA® NVSwitch™; 8 NIC for GPU Direct RDMA (1:1 GPU Ratio)
Supports HGX A100 8-GPU 40GB (HBM2) or 80GB (HBM2e) with NVLink/NVSwitch
GPU interconnect and PCI-E Gen4 host CPUs

- **Dual AMD EPYC™ 7003/7002 Series Processors (7003 Series Processor drop-in support requires BIOS version 2.0 or newer) Socket SP3, Supports CPU TDP up to 280W, Up to 128 Cores (64 per CPU)**
- **System on Chip (SoC)**
- **32 DIMM slots, Up to 8TB 3DS ECC DDR4-3200MH RDIMM/LRDIMM**
- **8 PCI-E 4.0 x16 via PCI-E switch, 1 PCI-E 4.0 x16 LP and 1 PCI-E 4.0 x8 LP via CPUs**
- **6 hot-swap U.2 NVMe 2.5"" drive bays (4 via PCI-E switch, 2 via CPU, SATA/NVMe Hybrid or SAS with optional HBA) (up to 10 hot-swap U.2 NVMe 2.5"" available)"**
- **Flexible Networking via AIOM, 1 dedicated IPMI LAN Port**
- **4 Hot-swap heavy-duty cooling fans**
- **2200W Redundant Power Supply / 3000W Redundant Power Supply**

Processor/Cache

Processor	Dual AMD EPYC™ 7003/7002 Series Processors (7003 Series Processor drop-in support requires BIOS version 2.0 or newer) Socket SP3, Supports CPU TDP up to 280W, Up to 128 Cores (64 per CPU)

Chipset

Chipset	System on Chip

System Memory

Memory Capacity	32 DIMM slots, Up to 8TB 3DS ECC DDR4-3200MH RDIMM/LRDIMM

Expansion Slots

PCI-Express	8 PCI-E 4.0 x16 via PCI-E switch, 1 PCI-E 4.0 x16 LP and 1 PCI-E 4.0 x8 LP via CPUs

Integrated Onboard

SATA	4 SATA3 (6Gbps) ports
LAN	Provided by AIOM, 1 RJ45 Dedicated IPMI LAN port

Add-on Options

Raid Card:	Optional
Optical Drive:	None

Drive Bays

6 hot-swap U.2 NVMe 2.5"" drive bays (4 via PCI-E switch, 2 via CPU, SATA/NVMe Hybrid or SAS with optional HBA) (up to 10 hot-swap U.2 NVMe 2.5"" available)"

Power Supply

2200W Redundant Power Supply / 3000W Redundant Power Supply

Cooling System

4 x Hot-swap 11.5K RPM heavy duty fans

Form Factor

Form Factor	4U Rackmount
Dimensions	Height : 6.9" (174mm), Width : 17.6" (446mm), Depth: 35.4" (900mm)

Email : info@tyronesystems.com

For more/current product information, visit

www.tyronesystems.com