Tyrone Camarero Specifications

Camarero: MSA200A2N-28

Key Feature

A high-performance single-socket AMD EPYC™ 9004/9005 platform optimized for PCIe Gen5 I/O, dual OCP 3.0 networking, high-density DDR5 memory, NVMe storage, and enterprise-grade security with hardware Root of Trust.

- Support Single AMD EPYC™ 9004/9005 Series processor with high-core-count architecture
- Supports 24 x DDR5 RDIMM Expandable Memory
- 2 x PCIe Expansion Slots
- 2 x PCIe 5.0 x16 OCP3 NIC Mezzanine slot
- Integrated ASPEED BMC Controller
- Dual BIOS & BMC
- Supports IPMI, Redfish, remote KVM, and virtual media
- 80+ Titanium CRPS Power Supply for high efficiency and redundancy
- Enhanced Security with TPM 2.0 and Chassis Intrusion detection
- Hardware Root of Trust (RoT)
- Supports 2 x 400W Passive GPUs

Processor/Cache

Processor	Support Single AMD EPYC™ 9004 and 9005 series processor, Upto 500W TDP, (LGA 6096)

System Memory

Memory Capacity	24 x DDR5 DIMM Slots 12 channels(2DPC), RDIMM/RIMM-3DS Max. Frequency 5200MT/s(1DPC), 4400MT/s(2DPC)* *Subject to CPU & Memory Configuration. Max. Capacity per DIMM: 256GB Max System Memory : 6TB

Expansion Slot

PCI-Express	2 x PCIe 5.0 x16 FHFL dual wide slot 2 x PCIe 5.0 x16 OCP 3.0 slot

Indicators/LEDs

Indicators /LEDs	1 x Power button with LED (Rear/Front) 1 x UID button with LED (Rear/Front) 1 x Reset Button (Front) 4 x Status LEDs : LAN/M.2/Fault(Front/Rear)

Security

Security	Chassis intrusion TPM 2.0 (Optional) Hardware Root of Trust (RoT)

Environment

Environment	System Operating Temperature: 0°C ~ 35°C Non-operating Temperature: -20°C ~ 70°C Non-operating Relative Humidity: 5% to 85% (non-condensing)

Ports

Ports	1 x 1000Base-T Dedicated Server Management Port (Rear) 2 x USB 3.0 Type-A Port (Front) 1 x Mini-DP Display Port (Rear) 1 x COM USB Type A Port (Rear) 1 x USB 2.0 Type-A Port (Rear)

Drive bays

HDD Bays	8 x 2.5" U.2 PCIe 5.0 x4 Hot Swap NVMe drive bays 2 x 2280/22110 PCIe 3.0 x2 NVMe M.2 drive bays

Power Supply

Power Supply	(1+1) 2400W 80+ CRPS Titanium Redundant Power Supply

Form Factor

Form Factor	2U Rackmount

Dimensions

Dimensions	438mm (W) x 87mm (H) x 764mm (D)

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For more/current product information, Visit

www.tyronesystems.com