Tyrone Camarero Specifications

Camarero SDI100A3TB-212

Key features

High-Performance File System, Diskless HPC Clusters, Scale Out All-Flash NVMe Storage, Big Data Analytics and AI

Two hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:

- Dual Socket P+ (LGA 4189),3rd Gen Intel® Xeon® Scalable processors, Support CPU TDP 270W,40C/80T Note : Certain CPUs with high TDP may be supported only under specific conditions. Please contact Tyrone Technical Support for additional information about specialized system optimization
- Intel® C621A
- 20 DIMM Slots (16 DIMM Slots + 4 Intel® Optane™ Persistent Memory Slots)
- 1 PCI-E 4.0 x16 (LP) slot;2 PCI-E 4.0 x8 (LP) slot;Tool-less suppor,t Internal PCI-E 3.0 x8 for 2 M.2 NVMe/SATA support onboard ,Optional NVMe Boot Controller via AOC-SMG3-2M2-B
- Network connectivity via AIOM (OCP 3.0 compliant)
- 12 Hot-swap 2.5" drive bays; 12 PCI-E 4.0 NVMe/SATA 2.5" drives
- 4x 16.5K RPM Heavy Duty 8cm Fan(s)
- 2200W Redundant Power Supply Titanium level

Processor/Cache

Processor	Dual Socket P+ (LGA 4189),3rd Gen Intel® Xeon® Scalable processors, Support CPU TDP 270W,40C/80T Note : Certain CPUs with high TDP may be supported only under specific conditions. Please contact Tyrone Technical Support for additional information about specialized system optimization

Chipset

Chipset	Intel® C621A

System Memory

Memory Capacity	16 DIMM slots (16 DRAM + 4 PMem), Up to 4TB: 16x 256 GB DRAM, Up to 6TB: 8x 256 GB DRAM and 8x 512 GB PMem,Memory Type: 3200MHz ECC DDR4 RDIMMIntel® Optane™ persistent memory 200 series

Expansion Slots

PCI-Express	1 PCI-E 4.0 x16 (LP) slot;2 PCI-E 4.0 x8 (LP) slot;Tool-less suppor,t Internal PCI-E 3.0 x8 for 2 M.2 NVMe/SATA support onboard , Optional NVMe Boot Controller via AOC-SMG3-2M2-B

Integrated Onboard

SATA	Intel® C621 controller for 12 SATA3 (6 Gbps) ports; RAID 0,1,5,10
LAN	1 RJ45 Dedicated BMC LAN port

Add-on Options

Raid Card:	Optional
Optical Drive:	None

Front Panel

LEDs	HDD activity LED, Network activity LEDs, Power status LED, Universal Information (UID) LED
Buttons	Power On/Off button, UID button

Drive Bays

HDD Bays	12x 2.5" hot-swap NVMe/SATA drive bays (12x 2.5" NVMe hybrid), 2 M.2 NVMe OR 2 M.2 SATA3

Power Supply

2200W Redundant Power Supply Titanium level

Cooling System

4x 16.5K RPM Heavy Duty 8cm Fan(s)

Form Factor

Form Factor	2U Rackmount
Dimensions:	Height : 3.47" (88mm), Width : 17.68" (449mm), Depth : 28.75" (730mm)

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For more/current product information, visit
www.tyronesystems.com