Tyrone Camarero Specifications

Camarero DS40012E1-436RTL

Key features

- **Corporate Database,Database Processing & Storage,Enterprise Server,HPC, Data Center. iSCSI SAN**
- 2nd Generation Intel® Xeon® Scalable Processors (Cascade Lake-SP), Intel® Xeon® Scalable Processors., Dual Socket P (LGA 3647) supported, CPU TDP support 205W, 3 UPI up to 10.4 GT/s
- Intel® C622
- Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz, in 16 DIMM slots;Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only);
- 3 PCI-E 3.0 x16, 4 PCI-E 3.0 x8,(slot 2 & 3 occupied by controller and JBOD expansion port)
- 36 Hot-swap 3.5" SAS3/SATA3 direct attached drive bays
- Broadcom 3008 SAS3 AOC
- 2x 10GBase-T LAN ports with Intel X557
- Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN
- 3 Hot-swap 8cm redundant PWM cooling fans, 2 hot-swap 8cm rear exhaust PWM fans
- 1200W Redundant Power Supplies Titanium Level (96%)

Processor/Cache

Processor	2nd Generation Intel® Xeon® Scalable Processors (Cascade Lake-SP), Intel® Xeon® Scalable Processors., Dual Socket P (LGA 3647) supported, CPU TDP support 205W, 3 UPI up to 10.4 GT/s

Chipset

Chipset	Intel® C622

System Memory

Memory Capacity	Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz, in 16 DIMM slots;Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only).

Expansion Slots

PCI-Express	3 PCI-E 3.0 x16 slot,4 PCI-E 3.0 x8 slots, (Slot 2 & 3 occupied by controller and JBOD Expansion Port)

Integrated On-Board

SAS	SAS3 (12Gbps) via Broadcom 3008 AOC, Broadcom 3008 controller
SATA	SATA3 (6Gbps); RAID 0, 1, 5, 10
LAN	2 RJ45 10GBase-T LAN ports, 1 RJ45 Dedicated IPMI LAN port

Add-on Options

Optical Drive	None

Front Panel

Led's	Power status LED,Hard drive activity LED, Network activity LEDs,System Overheat LED,Power fail LED
Buttons	Power On/Off button, System Reset button

Drive Bays

HDD bays	36 Hot-swap 3.5" SAS3/SATA3 drive bays
Optional	2 Optional Onboard NVMe M.2

Power Supply

1200W Redundant Power Supplies Titanium Level (96%)

Cooling System

3 Hot-swap 8cm redundant PWM cooling fans, 2 hot-swap 8cm rear exhaust PWM fans

Form Factor

Form Factor	4U Rackmount
Height-	7" (178mm),
Width-	17.2" (437mm),
Depth-	27.5" (699mm)

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For more/current product information, visit

www.tyronesystems.com