Tyrone Camarero Specifications

Camarero DS400TOG-424RT

Key features

- **3D Rendering, Astrophysics, Chemistry, Cloud and Virtualization needs, Cloud Computing, Compute Intensive Application**
- 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 chipset
- Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz, in 24 DIMM slots(2933MHz in two DIMMs per channel supported on Rev 1.10 MB only) ;Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only);
- 8 PCI-E 3.0 x16 slots (supports 8 active/passive GPGPU), 2 PCI-E 3.0 x8, 1 PCI-E 2.0 x4
- Up to 24 Hot-swap 2.5" drive bays; 8x 2.5" drives supported natively
- 2x 10GBase-T LAN ports, 2x Gigabit Ethernet ports, 1x IPMI LAN port, 4 USB ports, 1 VGA port
- 8 Hot-swap 92mm RPM cooling fans
- 2000W Redundant Power Supplies with PMBus ,80 Plus Titanium Certified Power Supplies

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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 chipset

System Memory

Memory Capacity	Up to 6TB 3DS ECC RDIMM, DDR4-2933 MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz, in 24 DIMM slots(2933MHz in two DIMMs per channel supported on Rev 1.10 MB only) ;Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only);

Expansion Slots

PCI-Express	8 PCI-E 3.0 x16 slots (support up to 8 double width GeForce/Quadro/Tesla GPGPU, 2x PCI-E 3.0 x8, 1 PCI-E 2.0 x4, Optional support for 2 AIC NVMe SSD

Integrated On-Board

SATA	SATA3 (6Gbps) with RAID 0,1,5,10
LAN	2 RJ45 10GBase-T LAN, 1 RJ45 IPMI (2.0)
Server Management	Integrated IPMI 2.0 + KVM with dedicated LAN

Add-on Options

Raid Card	Upgrade to SAS RAID Controller (2GB Cache, 0, 1, 5, 6, 10 support)
LAN	Dual Port Gigabit Ethernet
Optical Drive	None

System Monitoring

LED Indicators	Hard drive activity LED, Network activity LEDs, System Overheat & Power Fail LED
Buttons	Power On/Off button.

Drive Bays

HDD bays	Up to 24x 2.5"" SAS/SATA drive bays,8x 2.5"" SATA supported natively 2x 2.5"" NVMe supported natively M.2 :1 NVMe based M.2 SSD, Form Factors: 2260, 2280, 22110

Power Supply

2000W Redundant Power Supplies with PMBus , 80 Plus Titanium Certified Power Supplies

Cooling System

8 Hot-swap 92mm RPM cooling fans,1 Air Shroud

Form Factor

Form Factor		4U Rackmount
Height	:	7.0" (178mm),
Width	:	17.2" (437mm),
Depth	:	29" (737mm)