

Tyrone Camarero Specifications

Tyrone[®]

Camarero DS400NT-224R

Key features

Compute Intensive Application, HPC, Data Center, Enterprise, Server, Hyperscale / Hyperconverged

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

- 2nd Generation Intel® Xeon® Scalable Processors (Cascade Lake-SP), Intel® Xeon® Scalable Processors. Dual Socket P (LGA 3647) supported, CPU TDP support 205W, 2 UPI up to 10.4 GT/s
- Intel® C621 chipset
- Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz, in 24 DIMM slots; Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only);
- 2 PCI-E 3.0 x16 (LP) slot; 1 SIOM card support (flexible networking), Note: must bundle with Network card
- IPMI 2.0 + KVM with dedicated LAN
- 6 Hot-swap 2.5" NVMe drive bays; 2 M.2 SATA3 or NVMe support
- Video via Aspeed AST2500 BMC
- 4 Heavy duty 8cm PWM fans with air shroud
- 2200W 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, 2 UPI up to 10.4 GT/s
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Chipset

Chipset	Intel® C621 Chipset
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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; Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only);
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Expansion Slots

PCI-Express	2 PCI-E 3.0 (x16) Low-profile slots, 1 SIOM card support, (must bundle with network card)
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Integrated On-Board

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

Add-on Options

Raid card	Optional
Optical Drive	None

Front Panel

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

Drive Bays

HDD bays	6 Hot-swap 2.5" NVMe drive bays
M.2	2 M.2 NVMe or SATA (2240/2260/2280) via optional AOC-SMG3-2H8M2-B

Power Supply

2200W Redundant Power Supplies, Titanium Level (96%)
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Cooling System

4 Heavy duty 8cm PWM fans with air shroud

Form Factor

Form Factor	2U Rackmount
Height	: 3.47" (88mm),
Width	: 17.6" (447mm),
Depth	: 28.75" (730mm)

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For more/current product information, visit

www.tyronesystems.com