

Tyrone Camarero Specifications

Tyrone

Camarero QS400TE1-424RT4

Key features

- 4-Way MP, Up to 112 cores per system, In-Memory Database Application, ERP, CRM, Business Intelligence, Scientific Computing, Scale-up HPC, Cloud and Virtualization needs
- 2nd Generation Intel® Xeon® Scalable Processors (Cascade Lake-SP), Intel® Xeon® Scalable Processors, Quad Socket P (LGA 3647) supported, CPU TDP support 205W TDP, 3 UPI up to 10.4 GT/s
- Intel® C621
- Up to 12TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 12TB 3DS ECC LRDIMM, DDR4-2933MHz, in 48 DIMM slots Up to 12TB 3DS ECC DDR4-2933 MHz RDIMM/LRDIMM in 48 DIMM slots; Up to 12TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)
- 1 PCI-E 3.0 x32 Left Riser. 1 PCI-E 3.0 x40 Ultra Riser. 1 PCI-E 3.0 x8 in x16 slot rear Middle Riser. 1 PCI-E 3.0 x32 for 2U (or x48+x8 for 4U) on front for NVMe card support. 1 PCI-E 3.0 (x32 for 2U or x48 for 4U) on front for NVMe card support.
- 1 VGA port
- Intel® C621 controller for 14 SATA3 (6 Gbps) ports; RAID 0,1,5,10
- Networking options provided via Ultra Riser
- 24 Hot-swap 3.5" SAS3/SATA3 drive bays, Optional 24 SAS3 ports via AOC, Optional 16 SAS3 ports via AOC + 8 NVMe ports via AOC
- 8x 9cm heavy duty fans with speed control
- 1600W (3+1) Redundant Power Supplies Platinum Level (96%)



Processor/Cache

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

Chipset	Intel® C621
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System Memory

Memory Capacity	Up to 12TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 12TB 3DS ECC LRDIMM, DDR4-2933MHz, in 48 DIMM slots Up to 12TB 3DS ECC DDR4-2933 MHz RDIMM/LRDIMM in 48 DIMM slots; Up to 12TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)
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Expansion Slots

PCI-Express	1 PCI-E 3.0 x32 Left Riser. 1 PCI-E 3.0 x40 Ultra Riser. 1 PCI-E 3.0 x8 in x16 slot rear Middle Riser. 1 PCI-E 3.0 x32 for 2U (or x48+x8 for 4U) on front for NVMe card support. 1 PCI-E 3.0 (x32 for 2U or x48 for 4U) on front for NVMe card support.
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Integrated On-Board

SATA	SATA3 (SSD only) via Intel C621; RAID 0, 1
LAN	4x 10GBase-T RJ45 LAN ports, 1 RJ45 Dedicated IPMI LAN port

Add-on Options

Raid Card	Optional
Optical Drive	None

Front Panel

Front Panel	Power status LED, HDD activity LED, Network activity LEDs, System information (overheat/UID) LED
Buttons	Power On/Off button, System Reset button

Drive Bays

Drive bays	24 Hot-swap 3.5" SAS3/SATA3 drive bays, supported via optional Add-on RAID, controller card; 8 Hybrid ports with NVMe support via optional AOC
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Power Supply

1600W (3+1) Redundant Power Supplies Platinum Level (96%)

Cooling System

8x 9cm heavy duty fans with speed control

Form Factor

Form Factor	:	4U Rackmount
Height	:	17.2" (437mm)
Width	:	6.9" (177mm)
Depth	:	34.5" (876mm)

Email : info@tyronesystems.com

For more/current product information, visit

www.tyronesystems.com