

Tyrone Camarero Specifications

Tyrone®

Camarero DA700NT-26R

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:
 - Dual AMD EPYC™ 7001/7002* series Processors (* Board revision 2.x required) Socket SP3, Supports CPU TDP 200W / cTDP up to 200W, Up to 32 Cores (Board revision 1.x + 7001 Processors), Up to 64 Cores (Board revision 2.x + 7002 Processors) Note : Please contact Tyrone Technical Support for specifics on high power processor support
 - System on Chip
 - 16 DIMM slots, Supports up to 2TB Registered ECC DDR4 2666MHz SDRAM (7001 Processors), Supports up to 4TB Registered ECC DDR4 3200MHz SDRAM (Board revision 2.x required + 7002 Processors) 8-channel memory bus, For Dual CPUs: Recommended that memory be populated equally in adjacent memory banks Memory Type: DDR4 2666 MHz Registered ECC, 288-pin gold-plated DIMMs (7001 Processors) DDR4 3200 MHz Registered ECC, 288-pin gold-plated DIMMs (Board revision 2.x required + 7002 Processors)
 - 2 PCI-E 3.0 x16 (LP) slot; 1 SIOM card support (flexible networking) Note: must bundle with Network card"
 - Integrated IPMI 2.0 + KVM with dedicated LAN
 - 6 Hot-swap 2.5" NVMe drive bays, M.2 Interface: 1 SATA/PCI-E 3.0 x4, M.2 Form Factor: 2280, 22110, M.2 Key: M-key
 - Video via Aspeed AST2500 BMC
 - 2600W Redundant Power Supplies, Titanium Level (96%) (Full redundancy based on configuration and application load)



Processor/Cache

Processor Dual AMD EPYC™ 7001/7002* series Processors (* Board revision 2.x required) Socket SP3 Supports CPU TDP 200W / cTDP up to 200W Up to 32 Cores (Board revision 1.x + 7001 Processors), Up to 64 Cores (Board revision 2.x + 7002 Processors) Note : Please contact Tyrone Technical Support for specifics on high power processor support

Chipset

Chipset System on Chip

System Memory

Memory Capacity 16 DIMM slots, Supports up to 2TB Registered ECC DDR4 2666MHz SDRAM (7001 Processors), Supports up to 4TB Registered ECC DDR4 3200MHz SDRAM (Board revision 2.x required + 7002 Processors) 8-channel memory bus, For Dual CPUs: Recommended that memory be populated equally in adjacent memory banks Memory Type: DDR4 2666 MHz Registered ECC, 288-pin gold-plated DIMMs (7001 Processors) DDR4 3200 MHz Registered ECC, 288-pin gold-plated DIMMs (Board revision 2.x required + 7002 Processors)

Expansion Slots

PCI-Express 2 PCI-E 3.0 x16 (LP) slot; 1 SIOM card support (flexible networking) Note: must bundle with Network card

Integrated On-Board

SAS 6 SATA3 (6 Gbps) ports

LAN Provided via SIOM (optional), 1 RJ45 Dedicated IPMI LAN port

Add-on Options

Raid Card Optional

Optical Drive None

Front Panel

LED Power status LED, Hard drive activity LED, Network activity LEDs, System information LED, Power fail LED

Buttons Power On/Off button, Unit Identification (UID) button

Drive Bays

HDD Drives 6 Hot-swap 2.5" NVMe drive bays

Power Supply

2600W Redundant Power Supplies Titanium Level (96%) (Full redundancy based on configuration and application load)

Cooling System

4 Heavy duty 8cm PWM fans

Form Factor

2U Rackmount

Dimensions: Width: 17.25" (438mm), Height: 3.47" (88mm), Depth: 28.5" (724mm)

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