

# Tyrone Camarero Specifications

# Tyrone®

## Camarero DSA70012T-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 (\*AMD EPYC 7002 series drop-in support requires board revision 2.x)
- System on Chip
- 2TB Registered ECC DDR4 2666MHz SDRAM in 16 DIMMs;4TB Registered ECC DDR4 3200MHz SDRAM in 8 DIMMs (Board revision 2.x required)
- 1 PCI-E 3.0 x16 Left Riser Slot;1 PCI-E 3.0 x16 Right Riser Slot;1 PCI-E 3.0 x24 Proprietary Slot; (for tyrone storage add-on card);1 PCI-E 3.0 x16 SIOM LAN;Networking Slot;  
M.2 Interface: 1 SATA/PCI-E 3.0 x4;M.2 Form Factor: 2280, 22110;M.2 Key: M-key
- Integrated IPMI 2.0 + KVM with dedicated LAN, Software Out of Band License, key (SFT-OOB-LIC) included for OOB BIOS management
- 6 SAS3, or 4 NVMe + 2 SAS3 Hot-swap 2.5" drive bays, M.2 Interface: 1 SATA/PCI-E 3.0 x4, M.2 Form Factor: 2280, 2211, M.2 Key: M-key
- SAS3 support via Broadcom 3008; IT mode
- Video via Aspeed AST2500 BMC
- 4 Heavy duty 8cm PWM fans
- 2200W Redundant Power Supplies, Titanium Level (96%)



### 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** Expansion slots : 1 PCI-E 3.0 x16 Left Riser Slot;1 PCI-E 3.0 x16 Right Riser Slot;1 PCI-E 3.0 x24 Proprietary Slot;(for Tyrone storage add-on card);1 PCI-E 3.0 x16 SIOM LAN;Networking Slot;M.2 Interface: 1 SATA/PCI-E 3.0 x4;M.2  
Form Factor: 2280, 22110;M.2 Key: M-key

### Integrated On-Board

**SAS** SAS3 (12Gbps) via Broadcom 3008; IT mode

**LAN** Provided via SIOM;1 RJ45 Dedicated IPMI LAN port

### Add-on Options

**Optical Drive** None

### Front Panel

**LED** Power status LED;HDD activity LED;Network activity LEDs;Universal Information (UID) LED

**Buttons** Power On/Off button;UID button

### Drive Bays

**HDD Drives** 6 Hot-swap 2.5" SAS3 drive bays or 4 NVMe + 2 SAS3 Hot-swap 2.5"

### Power Supply

2200W Redundant Power Supplies with PMBus

### 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](http://www.tyronesystems.com)