

# Tyrone Camarero Specifications

# Tyrone®

## Camarero SA70012R-28R

### Key features

Cloud and Virtualization needs, Connectivity/Storage, Computer Nodes, Database Processing & Storage, High End Enterprise Server, Hosting & Application delivery

- Single AMD EPYC™ 7001/7002\* series Processor (\*Board revision 2.x required), Socket SP3  
Supports CPU TDP 225W / cTDP up to 240W  
Up to 32 Cores (Board revision 1.x + 7001 Processors), Up to 64 Cores (Board revision 2.x + 7002 Processors)
- System on Chip (SoC)
- 8 DIMM slots Supports up to 1TB Registered ECC DDR4 2666MHz SDRAM (7001 Processors)  
Supports up to 2TB Registered ECC DDR4 3200MHz SDRAM (Board revision 2.x required + 7002 Processors)  
8-channel memory bus
- 3 PCI-E 3.0 x16 (low profile); 3 PCI-E 3.0 x8 (low profile), M.2 Interface: PCI-E 3.0 x4 (NVMe based)  
M.2 Form Factor: 2280, 22110, M.2 Key: Onboard M-key, Number of M.2: Single
- Integrated IPMI 2.0 + KVM with dedicated LAN
- 2x 1GbE LAN ports via Intel® I210
- 8 hot-swap 3.5" SAS3/SATA3 Drive Bays (on-board Broadcom 3008 IR mode), 1 M.2 NVMe SSD slot Supported
- 740/800W Redundant Power supply



### Processor/Cache

Processor	Single AMD EPYC™ 7001/7002* series Processor (*Board revision 2.x required), Socket SP3 Supports CPU TDP 225W / cTDP up to 240W Up to 32 Cores (Board revision 1.x + 7001 Processors), Up to 64 Cores (Board revision 2.x + 7002 Processors)
-----------	---

### Chipset

Chipset	System on Chip
---------	----------------

### System Memory

Memory Capacity	8 DIMM slots Supports up to 1TB Registered ECC DDR4 2666MHz SDRAM (7001 Processors) Supports up to 2TB Registered ECC DDR4 3200MHz SDRAM (Board revision 2.x required + 7002 Processors) 8-channel memory bus
-----------------	--

### Expansion Slots

PCI-Express	3 PCI-E 3.0 x16 (low profile); 3 PCI-E 3.0 x8 (low profile), M.2 Interface: PCI-E 3.0 x4 (NVMe based) M.2 Form Factor: 2280, 22110, M.2 Key: Onboard M-key, Number of M.2: Single
-------------	---

### Integrated On-Board

SATA/SAS :	SATA3 (6 Gbps), Broadcom 3008 SAS3 (12 Gbps) controller, IR mode; RAID 0, 1, 10
LAN:	2x 1GbE LAN ports, 1 RJ45 Dedicated IPMI LAN port

### Add-on Options

Raid Card	None
Optical Drive	Optional

### Front Panel

LEDs :	Power LED, Hard drive activity LED, 2x Network activity LEDs, System Overheat LED / Fan fail LED / UID LED
--------	--

Buttons:	Power On/Off button, System Reset Button
----------	--

### Drive Bays

	8 hot-swap 3.5" SAS3/SATA3 Drive Bays
Peripherals Drives :	Slim DVD-ROM drive (optional)

### Power Supply

	740/800W Redundant Power supply
--	---------------------------------

### Cooling System

	3 heavy-duty PWM fans with optimal fan speed control
--	--

### Form Factor

Form Factor	2U Rackmount
Dimensions:	Height : 3.5" (89mm), Width : 17.2" (437mm), Depth : 25.5" (647mm)

Email : [info@tyronesystems.com](mailto:info@tyronesystems.com)

For more/current product information, visit  
[www.tyronesystems.com](http://www.tyronesystems.com)