Tyrone Camarero Specifications

Tyrone®

Camarero SA700TR-14RL

Key features

Web Hosting, VM, Cloud Computing, Connectivity/Storage, Computer Nodes

- 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 DDR4 2666 MHz Registered ECC, 240-pin gold-plated DIMMs DDR4 3200 MHz Registered ECC, 240-pin gold-plated DIMMs (Board revision 2.x required + 7002 Processors)
- 1 PCI-E 3.0 x16 (FH/HL) slot
  M.2 :Interface: PCI-E 3.0 x4 (NVMe based), Form Factor: 2280, 22110, Key: Onbard M-key, Number of M.2: Single
- 16 SATA3, 1 M.2
- Dual Gigabit Ethernet LAN Ports
- ASPEED AST2500 BMC graphics
- Up to 5 USB 3.0 ports (2 rear + 2 via header + 1 Type A), Up to 4 USB 2.0 ports, (2 rear + 2 via header)
- 7 PWM 4-pin Fans with tachometer status monitoring
- 4 x 3.5" hot-swap SAS/SATA
- 4 x 40x28mm PWM fan(s)
- 400W Redundant Power Supply Platinum with PMBUS, W54.5xL220xH40mm

Processor/Cache

Processor	Single AMD EPYC™ 7001/7002* series Processor (*Board revision 2.x required), Socket SP3, Up to 32 Cores, Up to 64 Cores (Board revision 2.x required)

Chipset

Chipset	System on Chip (SoC)

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 DDR4 2666 MHz Registered ECC, 240-pin gold-plated DIMMs DDR4 3200 MHz Registered ECC, 240-pin gold-plated DIMMs (Board revision 2.x required + 7002 Processors)

Expansion Slots

PCI-Express	1 PCI-E 3.0 x16 (FH/HL) slot M.2 :Interface: PCI-E 3.0 x4 (NVMe based), Form Factor: 2280, 22110, Key: Onbard M-key, Number of M.2: Single

Integrated On-Board

SATA	SATA3 (6 Gbps)
IPMI :	Support for Intelligent Platform Management Interface v.2.0, IPMI 2.0 with virtual media over LAN and KVM-over-LAN support, ASPEED AST2500 BMC
Network Controllers	2 1GbE LAN via Intel® I210, 1 Realtek RTL8211E PHY (dedicated IPMI)

Add-on Options

Raid Card	Optional
Optical Drive	Optional

Front Panel

LEDs :	2 Network Activity LEDs, HDD activity LED, Power Status LED, System Information LED
Buttons:	Power On/Off button, System Reset Button
USB :	5 USB 3.0 ports, (2 rear + 2 via header + 1 Type A),4 USB 2.0 ports (2 rear + 2 via header)
LAN :	2 RJ45 Gigabit Ethernet LAN ports, 1 RJ45 Dedicated IPMI LAN port

Drive Bays

HDD Bays	4 x 3.5"" hot-swap SAS/SATA
Peripheral Drives	Optional 1 x Slim DVD-ROM Drive, Optional 1 x USB + COM port tray

Power Supply

400W Redundant Power Supply Platinum with PMBUS, W54.5xL220xH40mm

Cooling System

4 x 40x28mm PWM fan(s)

Form Factor

Form Factor	1U Rackmount
Height :	1.7" (43 mm)
Width :	17.2" (437 mm) ,
Depth :	19.85" (503 mm)

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For more/current product information, visit

www.tyronesystems.com

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