Tyrone Camarero Specifications

Tyrone

Camerero: SDI200A2N-28
Key Feature

Virtualization, Software-defined Storage, AI Inference and Machine Learning,Cloud Computing, Enterprise Server

- Dual Socket E (LGA-4677), 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors,Supports Intel Xeon CPU Max Series with high bandwidth memory (HBM)
- 32 DIMM slots, Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM, Max Memory (2DPC): Up to 8TB 4400MT/s ECC DDR5 RDIMM
- Optional PCIe slot configurations up to 8 PCIe 5.0 x8 or 4 PCIe 5.0 x16 slots with support for up to 4 double-width or 8 x8 single-width GPU/Accelerator cards , 8 NVMe ports PCIe 5.0 x8
- Flexible networking options with up to 2 AIOM networking slots (OCP NIC 3.0 compatible)
- 8x 2.5" hot-swap NVMe/SATA/SAS drive bays;, Optional 8x 2.5" hot-swap NVMe/SAS/-SATA drive bays;, 2x internal M.2 NVMe/SATA drive slots; Optional RAID support via storage add-on card
- 4 heavy duty hot-swap fans with optimal fan speed control
- 1200W (1 + 1) / 2600W Redundant Titanium Level Certified High-Efficiency Power Supply / 1200W Single Power Supply

intel inside XEON®

Processor/Cache

Processor	Dual Socket E (LGA-4677), 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors,Supports Intel Xeon CPU Max Series with high bandwidth memory (HBM

Chipset

Chipset	Intel® C741

System Memory

Memory Capacity	32 DIMM slots, Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM, Max Memory (2DPC): Up to 8TB 4400MT/s ECC DDR5 RDIMM

Expansion Slot

PCI-Express	Optional PCIe slot configurations up to 8 PCIe 5.0 x8 or 4 PCIe 5.0 x16 slots with support for up to 4 double-width or 8 x8 single-width GPU/Accelerator cards , 8 NVMe ports PCIe 5.0 x8

Integrated Onboard

Network Connectivity	Network Connectivity :2x 1GbE BaseT with Intel® i350-AM2 (optional), 4x 1GbE BaseT or 4x 1GbE SFP with Intel® i350-AM4 (optional), 2 x 10GbE BaseT with Intel® X550-AT2 (optional), 2x 10GbE SFP+ with Intel® X710-BM2 (optional), 4x 10GbE SFP+ with Intel® XL710-BM1 (optional), 4x 10GbE RJ45/SFP+ with Intel® X710-TM4 (optional), 2x 25GbE SFP28 with Broadcom® BCM57414 (optional), 4x 25GbE RJ45/SFP28 with Mellanox® CX-4 Lx EN Intel® X550-AT2 (optional), 2x 100GbE QSFP28 with Broadcom® BCM57508 (optional)
USB	2 USB 2.0 port(s) (rearP), 2 USB 3.0 port(s) (Header)
IPMI	Support for Intelligent Platform Management Interface v.2.0, IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Add-on Options

Raid Card	Optional
Optical Drive	None

Front Panel

LED Indicators	HDD activity, LAN1 activity, Power status , System information
Buttons	Power On/Off, Universal Information (UID)

Drive bays

Drive bays	8x 2.5" hot-swap NVMe/SATA/SAS drive bays (Configurable option for 16x 2.5" hot-swap NVMe/SAS/SATA drive bays. NVMe, SATA, or SAS support requires additional parts, 2 M.2 NVMe OR 2 M.2 SATA3, M-Key, 2280/2210

Power Supply

	1200W (1 + 1) / 2600W Redundant Titanium Level Certified High-Efficiency Power Supply / 1200W Single Power Supply

Management and Security

Management	Agent free Redfish API compliant Secure Server Management Software for Centralized management, Monitoring, Event Handling and Alerting, System Fault, Health Management with logs repository, Telemetry Streaming, Remote Power Management (on/off), Remote Configuration (LDAP, NTP, AD 1.0, SMTP, SNMP etc.), Dedicated onboard RJ45 1 GbE management port for OOB (Out of Band) Management, TLS 1.2, Updating Firmware , BIOS, Drivers using BMC WEB GUI, Additional Licenses for respective features for System Management using different interfaces such as Web/CLI/Redfish API. Optional – SIE (Sanitize Instant Erase), SED (Self-Encrypting Drive) (with supported Controllers and featured disks), Storage Management Utility featuring creation and destroying RAID Configurations for virtual disks
Security	Password protection, UEFI Secure BIOS/Firmware (BIOS and NIC level Boot), Intel® TXT, TPM 2.0 Compliant Hardware Root of Trust, Server Intrusion Detection, prevention of Security Breaches, Secure firmware updates, Policy defined security measures, Encryption protocols – DES, AES

OS and Virtualization Complaince and Support

OS and Virtualization Complaince and Support	Windows Server 2019, 2022 x64, RHEL 8.5, 9.0 x64, Oracle 8.5, 9.0 x64, Rocky 8.5 x64, SLES 15 x64, Ubuntu Linux 22.04 Windows Hyper-V, Red Hat OpenShift Container Platform 4.13, Red Hat OpenStack Platform 17.0 VMware ESXi 7.0, 8.0, Citrix Hypervisor 8.2.

Cooling System

Fans	4x 8cm heavy duty fans with optimal fan speed control, 2 Air Shroud(s)
Liquid Cooling	Direct to Chip (D2C) Cold Plate (optional)

Form Factor

Form Factor	2U Rackmount , **Dimensions :** Height - 3.5" (88.9mm), Width - 17.2" (437mm), Depth - 29.9" (760mm)

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For more/current product information, Visit

www.tyronesystems.com