

Tyrone Camarero Specifications

Tyrone

Camarero SDI200A2N-18

Key Feature (Global SKU)

- Applications - Virtualization, Software-defined Storage, Cloud Computing, Enterprise Server
- Dual Socket E (LGA-4677), Intel® Xeon® 5th Gen / 4th Gen, Intel Xeon CPU Max Series with HBM or (*elective platform) Dual processor(s), AMD EPYC™ 9004/9005 Series Processors
CPU TDP Support Upto 300W with air cooling,
- Intel® C741 Chipset, or (*elective platform) AMD SoC
- Aspeed 2600 series BMC (1920 x 1200 , 16MB Memory)
- 32 x DIMM slots, Max 8TB memory, upto DDR5-5600 (@1DPC) / DDR5-4400 (@2DPC)
or (*elective platform) 24 x DIMM slots, Max 9TB 6000MT/s ECC DDR5 RDIMM
- 1 x OCP 3.0, 2 x NVMe M.2, 1 x VGA, 2 x USB 3.0, 2 x USB 3.0 (Optional), 1 x Serial Port (Optional)
- Configuration Options for up to 4 PCI-E 5.0 x16 Slots OR up to 6 PCI-E 5.0 x8 Slots
- 4U Rackmount Chassis, 60 x 3.5" Top Loading Bays (SAS/SATA) with expander backplane
12 x 2.5"/3.5" Rear Bays (SAS/SATA/NVMe) with direct attached backplane
- Redundant & Hot-Swappable 80+ Titanium Power Supply (2000W / 2400W)
PMBus 1.2 Support for Remote Management
- SLB 9672 chipset based TPM 2.0 Module



Processor/Cache	
Processor	Dual Socket E (LGA-4677), Intel® Xeon® 5th Gen / 4th Gen, Intel Xeon CPU Max Series with HBM or (*elective platform) Dual processor(s), AMD EPYC™ 9004/9005 Series Processors
Note :	Supports up to 300W TDP CPUs (Air Cooled),
System Memory	
Memory	Slot Count: 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 or (*elective platform) 24 x DIMM slots, Max 9TB 6000MT/s ECC DDR5 RDIMM
Onboard devices	
Chipset / BMC	Intel® C741 Chipset or (*elective platform) AMD SoC , Aspeed 2600 series BMC
Network	1 x OCP 3.0 for Flexible networking, WOL, Secure PXE Boot support, BMC LAN supports DHCP, IPV4, IPV6
IPMI	IPMI 2.0 iKVM, Virtual Media Redirection, IPMI over LAN, Serial over LAN, SMASH-CLP Support, Built-in HTML5 GUI, SNMP v2/v3, 1 RJ45 Dedicated BMC LAN port for Remote Management LAN & WAN with SSL encryption,
USB / Serial	2 x USB 2.0, 2 x USB 3.0 (Optional), 1 x Serial Port (Optional)
Graphics	Aspeed 2600 series BMC (1920 x 1200 , 16MB Memory, 1 x VGA Port)
Expansion Slots	
PCI-Express	Upto 4 x PCIe 5.0 x16 or upto 6 x PCIe 5.0 x8 Supports upto 4 x Network Cards (x4, x8, x16) or Video Cards, Supports upto 4 x Storage Cards
Chassis	
Form Factor	4U rackmount
Dimensions	1046.4*446.2*175.7 (D x W x H) (D=1191 with CMA)
Power Supply	Redundant & Hot-Swappable 80+ Titanium Power Supply (2000W/2400W)
Fans	Heavy duty fans with optimal fan speed control (Redundant, Hot-Swappable),
Drive bays	60 x 3.5" Top Loading Bays (SAS/SATA) with expander backplane 12 x 2.5"/3.5" Rear Bays (SAS/SATA/NVMe) with direct attached backplane Default support for 8 x SATA3 rear drive bays and 2 x M.2 NVMe

Features

Hardware Monitoring – LED indicators for Power status, System alert, LAN activity, Drive activity, System ID, Monitoring & Management for CPU, GPU, Memory, Storage, Network and Chassis Environment for power and cooling. Actual or Impending failure alerts for critical components, Monitoring with event logs and SMART attributes, Monitoring of CPU voltages, Chipset Voltage, PSU +5V standby, +5V, +3.3V, +12V

BIOS Features - ACPI 6.4, SMBIOS 2.8/3.5, UEFI 2.8A, Plug and Play (PnP), PCI 5.0, USB 3.0, NVMe 2.0c

Management and Security

Management - Monitoring, Event Handling and Alerting, System Fault, Health Management and diagnosis with event logs repository, Telemetry Streaming, Inventory export, Remote Power Management (on/off), Protocols (Redfish API, LDAP, NTP, HTTPS, AD 1.0, SMTP, SYSLOG, SNMP v2, v3 etc.), 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, Tyrone ProServe suite support for centralized management

Security - Password protection, UEFI Secure (BIOS, Firmware oriented) Boot, Dual immutable SroT controls integrity across BIOS & BMC Firmware, Platform Integrity Check, Platform Firmware Resiliency (NIST SP 800-193), Server Intrusion Detection mechanism in all power states including Power OFF, System Lockdown for prevention from security breaches, USB dynamic enable/disable (optional), Secure firmware updates, Policy defined security measures, RBAC, Configuration backup and restore, Encryption protocols – DES, AES. BIOS / BMC Firmware Protection against unauthorized modification by malicious software, with BIOS authentication mechanism and integrity from infected / malicious firmware with built in recovery provisions, (NIST SP 800-147b) – Secure flash, Automatic & Secure Recovery & Anti-rollback, Tyrone Secure Platform, Access Control List with IP Access Control

OS and Virtualization Compliance 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

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