

TYRONE CAMARERO SPECIFICATIONS

Tyrone[®]

Camarero - TDI100C3R - 212



Key Feature:

- Intel Dual Socket Ice Lake Solution LGA4189, Max upto 250W TDP
- Supports upto Dual A100 80GB GPU's
- Intel 621A chipset
- 16 DIMM slots (8 per CPU @ 1DPC), Max 4TB memory, upto DDR4-3200, Optane supported
- Aspeed 2000 series BMC
- Dual ROM technology supported (Redundant BIOS & BMC)
- 1 x 1000Base-T (i210-AT), 2 x 10GBase-T (X550-AT2)
- 1 x Dedicated IPMI Management Port
- 8 x SATA ports, 2 x NVMe ports, 1 VGA, 2 USB 3.0
- Upto 8 x PCIe x16 (4 x FHFL + 4 x LPFL)
- 2U Rackmount Chassis, 12 x 3.5" drive bays,
- 2 x 1600W (Optional 2 x 1300W / 2 x 2000W) Redundant 80+ Platinum Power Supply

PROCESSOR/CACHE	
Processor	3rd Gen Intel® Xeon® Scalable Processors (Ice lake CPU) Dual Socket P+ (LGA- 4189), Max TDP 250W UPI Speeds : 10.4 / 11.2 GT/s Upto 32 Cores
SYSTEM MEMORY	
Memory Capacity	16 x DIMM slots - up to 1024GB RDIMM - up to 4096GB RDIMM 3DS - up to 2048GB LRDIMM - up to 4096GB LRDIMM 3DS - Intel® Optane™ DCPMM (Barlow Pass)
Memory Type	DDR4 2666/2933/3200MHz RDIMM/LRDIMM
Memory Channels	16 (8 per CPU @1DPC)
ONBOARD DEVICES	
Chipset	Intel® C621A
SATA/NVMe	8 x SATA ports, 2 x NVMe ports
BMC	Aspeed AST2000 Series
Graphics	Aspeed AST2000 Series, 1 x VGA Port
Network Controllers	<ul style="list-style-type: none"> • 1 x 1000Base-T (i210-AT), • 2 x 10GBase-T (X550-AT2) • 1GbE RJ45 dedicated for IPMI with SSL encryption (https) • Enabled for management of system over LAN and WAN
EXPANSION SLOTS	
PCI-Express	<ul style="list-style-type: none"> • Upto 8 x PCIe 4.0 x16 (4 x FHFL + 4 x LPFL) • 4 x FHFL can be used for two double width GPU's • Supports upto 4 x Network Cards (x4, x8, x16) or Video Cards, • Supports upto 4 x Storage Cards, • Supports upto 2 x Data Center GPU's (upto 300W)
CHASSIS	
Form Factor	2U rackmount
Power Supply	<ul style="list-style-type: none"> • 1600W (Optional 2 x 1300W / 2 x 2000W) • Redundant Power Supplies • 80PLUS Platinum Level
Fans	6 cooling fans

DRIVE BAYS	
12 x 3.5" hot-swap drive bays, Tri-mode Backplane Default support for 8 x SATA3 drive bays and 2 x U.2 NVMe Upto 12 x SAS3 / 8 x SAS3 + 4 x U.2 NVMe via Optional Storage Controllers (providing RAID 0, 1, 5, 6, 10, 50, 60 support, 4GB or more cache with flash backed protection (Cache Vault / Battery)	
SYSTEM MONITORING AND MANAGEMENT	
LED's for Power status, System alert, LAN activity, Drive activity, System ID Integrated BMC, IPMI 2.0 compliant, iKVM, Virtual Media Redirection, IPMI over LAN, Serial over LAN, SMASH Support, Built-in HTML5 GUI, Agent free Redfish API compliant Secure Server Management Software for Centralized management, Monitoring and Alerting, System Health Management with logs repository, Telemetry Streaming, Remote Power Management (on/off), Remote Configuration (LDAP, NTP, AD, SMTP, SNMP etc.), Dedicated onboard RJ45 1 GbE management port for OOB (Out of Band) Management, 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.	
SYSTEM 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, Dual ROM technology supported (Secure recovery using Redundant BIOS & BMC), Multiple Authentication, Platform Integrity Check, Key Creation/management/storing the encrypted key within the secure chip and pass phrase management, prevention of Security Breaches, Secure firmware updates, Policy defined security measures.	
OS AND VIRTUALIZATION COMPLIANCE/CERTIFICATION, SUPPORT	
Windows Server 2019 x64, Red Hat Enterprise Linux 9.0 SUSE® SLES 15 Service Pack 4, Ubuntu Linux 20.04 LTS Server	
Windows Hyper-V, Red Hat OpenStack Platform VMware ESXi 8.0, Citrix Hypervisor 8.2	
<p>Email: Info@tyronesystems.com For more/current product information, Visit : www.tyronesystems.com</p>	

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