

## Camarero: SDI200A3N-212

### Key Feature

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



- Applications - Virtualization, Software-defined Storage, AI Inference and Machine Learning,
- Cloud Computing, Enterprise Server
- Dual Socket E (LGA-4677), Intel® Xeon® 5th Gen / 4th Gen, Intel Xeon CPU Max Series with HBM
- Supports upto Two double width/single width data Center GPUs(Thermal Limitation may apply)
- Intel® C741 Chipset, Aspeed 2600 series BMC (1920 x 1200 , 16MB Memory)
- 32 x DIMM slots, Max 8TB memory, upto DDR5-5600 (@1DPC) / DDR5-4400 (@2DPC)
- 2 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 8 PCI-E 5.0 x8 Slots
- 2U Rackmount Chassis, 12 x 3.5" / 16 or 24 x 2.5" Hot-swap bays (supports NVMe/SAS/SATA drives)
- Redundant & Hot-Swappable 80+ Titanium Power Supply (1200W / 1600W / 2000W)
- SLB 9672 chipset based TPM 2.0 Module.



Processor/Cache	
<b>Processor</b>	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). <b>Note:</b> Supports up to 350W TDP CPUs (Air Cooled), Supports up to 350W TDP CPUs (Liquid Cooled)
<b>Core Count</b>	Upto 64C/128T; Upto 320 MB Cache Per CPU
System Memory	
<b>Memory</b>	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)
Onboard devices	
<b>Chipset / BMC</b>	Intel® C741 Chipset, Aspeed 2600 series BMC
<b>Network</b>	2 x OCP 3.0 for Flexible networking, WOL, PXE support
<b>IPMI</b>	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.
<b>USB / Serial</b>	2 x USB 2.0, 2 x USB 3.0 (Optional), 1 x Serial Port (Optional).
<b>Graphics</b>	Aspeed 2600 series BMC (1920 x 1200 , 16MB Memory, 1 x VGA Port).
Expansion Slots	
<b>PCI-Express</b>	Upto 4 x PCIe 5.0 x16 or upto 8 x PCIe 5.0 x8 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	
<b>Form Factor</b>	2U rackmount.
<b>Dimensions</b>	Height 3,5" (88,9mm), Width 17,2" (437mm), Depth 31,6" (803mm).
<b>Power Supply</b>	Redundant & Hot-Swappable 80+ Titanium Power Supply(1200W / 1600W / 2000W).
<b>Fans</b>	Fans 4x 8cm heavy duty fans with optimal fan speed control (Redundant, Hot-Swappable), 2 Air Shroud(s).

Drive bays
12 x 3.5" / 16 or 24 x 2.5" hot-swap drive bays, SAS/SATA/NVME Backplane.  Default support for 8 x SATA3 drive bays and 2 x M.2 NVMe.  Upto 24 x SAS3 / SATA3 / NVMe via Optional Storage Controllers Support for Broadcom MegaRAID Controllers.
Features
<b>Hardware Monitoring</b> – LED indicators for Power status, System alert, LAN activity, Drive activity, System ID, Monitoring & Management for CPU, Memory, Storage, I/O and Chassis Environment.  <b>BIOS Features</b> - ACPI 6.4, SMBIOS 2.8/3.5, UEFI 2.8A, Plug and Play (PnP), PCI 5.0, USB 3.0.
Management and Security
<b>Management</b> - 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  <b>Security</b> - 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 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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