

## Camarero SDI200A2G-820

### Key Feature

- DP Intel 8U System with NVIDIA HGX H100 8-GPU and Rear I/O
- High Performance Computing, AI/Deep Learning Training, Industrial Automation, Retail Healthcare, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Climate and Weather Modeling, Finance & Economics
- Dual Socket E (LGA-4677), 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors
- 32 DIMM slots Up to 8TB: 32x 256 GB DRAM Memory Type: 5600MTs ECC DDR5
- 8 PCIe Gen 5.0 X16 LP, 2 PCIe Gen 5.0 X16 FHFL Slots
- Flexible networking options
- 12 front hot-swap 2.5" NVMe drive bay(s), 3 front hot-swap 2.5" SATA drive bay(s)
- 6x 3000W (4+2) Redundant Titanium Level power supplies, Optional: 8x 3000W (4+4) PMBus 1.2 Support for Remote Management
- 10 heavy duty fans with optimal fan speed control, Direct to Chip (D2C) Cold Plate (optional)



Processor/Cache and GPU		Drive bays	Optional Storage Controllers, Support for Broadcom MegaRAID and Adaptec® Controllers
Processor	Dual Socket E (LGA-4677), 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors	<b>Features</b>	
GPU	Up to 8 onboard GPUs, NVIDIA SXM: HGX H100 8-GPU (80GB), HGX H200 8-GPU (141GB), PCIe 5.0 x16 CPU-to-GPU Interconnect, NVIDIA® NVLink® with NVSwitch™ GPU-GPU Interconnect (SXM5, 900GB/s bidirectional)	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 using event logs and SMART attributes, Monitoring of CPU voltages, Chipset Voltage, PSU +5V standby, +5V, +3.3V, +12V	
System Memory		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	
Memory	32 DIMM slots Up to 8TB: 32x 256 GB DRAM Memory Type: 5600MTs ECC DDR5	<b>Applications Environment, Management and Security</b>	
Onboard devices		Application Environment - Nvidia NGC (Nvidia GPU Cloud) containers (Optional), Support for Tyrone Skylus.AI, Tyrone Kubyts AI Platforms	
Chipset / BMC	Intel® C741 Chipset, Aspeed 2600 series BMC	Management - Monitoring, Event Handling and Alerting, System Fault, Health Management and diagnosis with event logs repository, Telemetry Streaming with 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 suit support for centralized management	
Network	2x 10GbE BaseT with Intel® X550-AT2 (optional), 2x 25GbE SFP28 with Broadcom® BCM57414 (optional), 2x 10GbE BaseT with Intel® X710-AT2 (optional)	Security - Password protection, UEFI Secure BIOS/Firmware (BIOS and NIC level Boot), Intel® TXT, Dual SroT (TPM & PRoT), Platform Firmware Resiliency (NIST SP 800-193), OOB Server Intrusion Detection, System Lockdown, USB dynamic enable/disable (optional), Secure firmware updates, Policy defined security measures, RBAC, Configuration backup and restore, Encryption protocols – DES, AES, BIOS / Firmware Protection (NIST SP 800-147b) – Secure flash, Automatic & Secure Recovery & Anti-rollback, Tyrone Secure Platform, Access Control List	
GPU Fabric	8 PCIe Gen 5.0 X16 LP supporting CX-7 for GPU RDMA	<b>OS and Virtualization Compliance and Support</b>	
USB / Serial	2 x USB 3.0, 2 x USB 3.0 (Optional)	RHEL 8.7, 9.2 x64, Oracle 8.5, 9.0 x64, Rocky 8.5 x64, SLES 15 x64	
Graphics	Aspeed 2600 series BMC (1920 x 1200 , 16MB Memory, 1 x VGA Port)	Red Hat OpenShift Container Platform 4.13, VMware ESXi 8.0, Citrix Hypervisor 8.2	
Expansion Slots			
PCI-Express	8 PCIe Gen 5.0 X16 LP for GPU RDMA Network 2 PCIe Gen 5.0 X16 FHFL Slots, 2 PCIe Gen 5.0 X16 FHFL Slots (optional) for Network Cards / Video Cards / Storage Cards		
Chassis			
Form Factor	8U rackmount		
Dimensions	Height - 14" (355.6mm), Width - 17.2" (437mm), Depth - 33.2" (843.28mm)		
Power Supply	Redundant & Hot-Swappable 80+ Titanium Power Supply - 6x 3000W (4+2), Optional: 8x 3000W (4+4)		
Fans	Heavy duty fans with optimal fan speed control (Redundant, Hot-Swappable), Direct to Chip (D2C) Cold Plate (optional)		
Drive bays	16x 2.5" Hot-swap NVMe drive bays (12x by default, 4x optional) 2x 2.5" Hot-swap SATA drive bays		