GrandTwin SuperServer SYS-211GT-HNC8R

Key Applications

HPC, Cloud Gaming, MEC (Multi-Access Edge Computing), Multi-Purpose CDN, High-availability Cache Cluster, Telco Edge Cloud, EDA (Electric Design Automation), Mission Critical Web Applications,

Key Features

- Single-Socket, 4th Gen Intel® Xeon® Scalable processors up to 300W TDP;
- Intel® C741;
- 16 DIMM Slots up to 4TB (with Intel® Optane™ Persistent Memory support);
- 2 AIOM;
- 6x NVMe/SAS/SATA drive bays;
- 2x cooling fans per 2U enclosure, 16K RPM Heavy Duty; Shared Cooling Design;
- 2200W Redundant Power Supplies Titanium Level (96%+); Shared Power Design;
- Built-in SAS3 Support via Broadcom 3808; IT Mode;

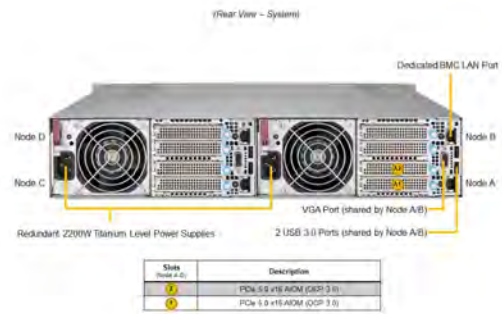|	
Form Factor	2U Rackmount Enclosure: 449 x 88 x 711.2mm (17.67" x 3.46" x 28") Package: 626 x 248 x 1150mm (24.65" x 9.76" x 45.28")
Processor	4th Gen Intel® Xeon® Scalable processors Single Socket LGA 4677 (Socket E) supported Intel Xeon CPU Max Series with high bandwidth memory (HBM) (Supports up to 300W TDP CPUs (Aircooled), CPUs with high TDP (air cooled) only supported under specific conditions. Contact Technical Support for details)
System Memory	16 DIMM slots Up to 4TB ECC RDIMM, DDR5-4800MHz
Drive Bays	6x 2.5" hot-swap NVMe/SATA/SAS drive bays; 6x 2.5" NVMe dedicated; Optional RAID support via Broadcom® 3808 AOC
Expansion Slots	2 PCIe 5.0 x16 slot(s)
On-Board Devices	SAS: SAS3 (12Gbps) via Broadcom® 3808 (IT mode) Chipset: Intel® C741 Network Connectivity: IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 Dedicated BMC LAN port USB: 2 USB 3.0 port(s) (2 USB) Video: 1 VGA port(s)

System Cooling	2x 8cm heavy duty fan(s) 2x 8cm heavy duty fan(s)
Power Supply	Redundant 2200w Titanium Level(96%)High-Efficiency Power Supplies with I2C & PMBus Dimension (W x H x L): 106 x 84 x 245 mm
System BIOS	BIOS Type: AMI 32MB Flash ROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro Power Manager (SPM); SuperDoctor® 5 (SD5); Supermicro Thin-Agent Service (TAS); Supermicro Diagnostics Offline (SDO); Supermicro IPMI Utilities; Supermicro Intelligent Mgmt (BMC Resources); Supermicro Server Mgmt (Redfish® API)

PC Health Monitoring	FAN: Fans with tachometer monitoring
	    Status monitor for speed control
	    Pulse Width Modulated (PWM) fan connectors
	Temperature: Monitoring for CPU and chassis environment
	CPU: Monitors for CPU Cores, Chipset Voltages, Memory.
	    7+1 Phase-switching voltage regulator

Dimensions and Weight	Height: 3.46" (88 mm) Width: 17.67" (449 mm) Depth: 28" (711.2 mm) Gross Weight: 88 lbs (39.9 kg) Net Weight: 68 lbs (30.8 kg) Packaging: 9.76" (H) x 24.65" (W) x 45.28" (D) Available Color: Gray
Operating Environment	ROHS: RoHS Compliant Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (Non-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)
Motherboard	Super X13SET-GC
Chassis	CSE-GT214BC-R2K21BP2