GrandTwin SuperServer SYS-210GT-HNC8F

2U 4-node UP GrandTwin with 4 2.5" SAS/SATA drives per node
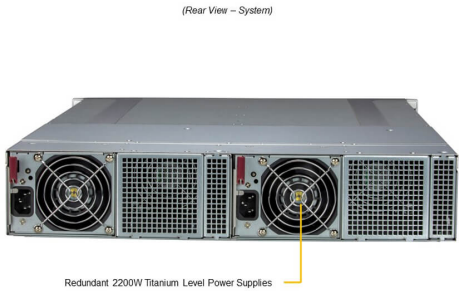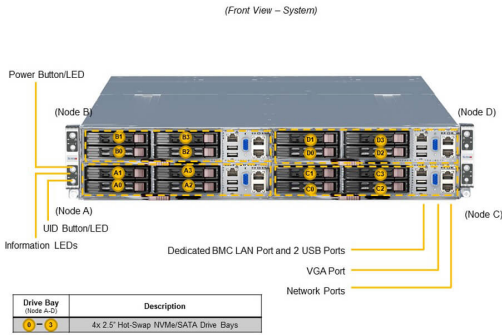
Key Applications

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

Key Features

- Four hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:;
- Single-Socket, 3rd Gen Intel® Xeon® Scalable processors up to 270W TDP;
- Intel® C621A;
- 16 DIMM Slots up to 4TB;
- Optional: AIOM PCIe 4.0 x16 LP (OCP 3.0 compliant);
- Two optional storage modules. Each module supports 2x NVMe or SAS/SATA drive bays;
- 2x cooling fans per 2U enclosure, 16.5K 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	Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 40C/80T; Up to 60MB Cache
System Memory	Slot Count: 16 DIMM slots/2 Channels Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM Max Memory (2DPC): Up to 4TB 2666MT/s ECC DDR4 RDIMM
Drive Bays Configuration	Default: Total 4 bays • 4 front hot-swap 2.5" NVMe/SAS/SATA drive bays M.2: 2 M.2 NVMe/SATA slots (M-key)
Expansion Slots	Default • 1 PCIe 4.0 x16 LP slot
On-Board Devices	SAS: SAS (12Gbps) via Broadcom® 3808; (IT mode) Chipset: Intel® C621A Network Connectivity: Via IO Module
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports Video: 1 VGA port

(Front View – System)

(Rear View – System)

Power Button/LED

(Node B)

(Node D)

(Node A)

UID Button/LED
Information LEDs

Dedicated BMC LAN Port and 2 USB Ports

VGA Port

Network Ports

(Node C)

Redundant 2200W Titanium Level Power Supplies

Drive Bay (Node A-D)	Description
0 – 3	4x 2.5" Hot-Swap NVMe/SATA Drive Bays

System Cooling	Fans: Up to 2x 16.5K RPM Heavy Duty 8cm Fan(s)
Power Supply	1x 2200W Redundant Titanium Level (96%) power supply
System BIOS	BIOS Type: AMI 32MB Flash ROM
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!

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	Weight: Gross Weight: 88 lbs (39.9 kg) Net Weight: 68 lbs (30.8 kg) Available Color: Silver
Operating Environment	RoHS Compliant Operating Temperature: 5°C to 40°C (41°F to 104°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	**Super X12SPT-GC**
Chassis	**CSE-GT214BF-R2K21BP**