

GrandTwin SuperServer SYS-211GT-HNTF



More details here

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 350W TDP;
- Intel® C741;
- 16 DIMM Slots up to 4TB (with Intel® Optane™ Persistent Memory support);
- Optional AIOM module or PCIe 5.0 x16;
- Integrated GrandTwin I/O Module with BMC, 2x USB, VGA and 2x 10GbE or 2x 25GbE;
- Two optional storage modules. Each module supports 2x NVMe or 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;



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 350W 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

4x 2.5" hot-swap NVMe/SATA drive bays; 4x 2.5" NVMe dedicated;
Optional RAID support via Intel® PCH

Expansion Slots

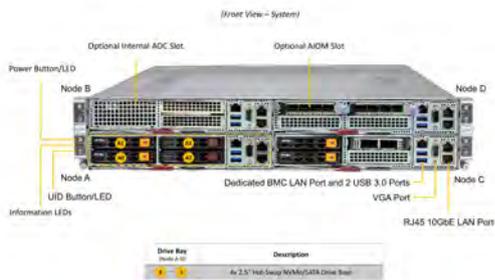
1 PCIe 5.0 x16 slot(s)

On-Board Devices

Chipset: Intel® C741
Network Connectivity: Via IO Module
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-G
Chassis	CSE-GT214BF-R2K21BP2