GPU SuperServer SYS-212GB-FNR

UP Intel 2U PCIe GPU System with up to 4 NVIDIA RTX PRO™ 6000 Blackwell Server Edition or NVIDIA H200

More details here

Key Applications

Scientific Research, Model analysis, High Performance Computing (HPC), Research Lab, Financial Services, Edge AI,

Key Features

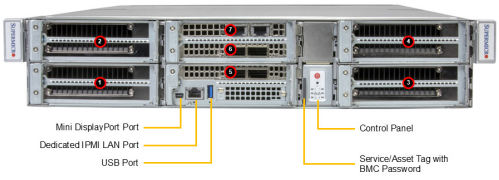
- Single Socket E2 (LGA-4710) Intel® Xeon® 6700-series processors with P-cores up to 350W with air cooling;
- Support for up to 4 double-width PCIe GPU accelerator cards;
- Up to 16 DIMMs supporting up to 1TB DDR5-6400 in 1DPC or 2TB DDR5-5200 in 2DPC or 512GB DDR5-8000 in 1DPC;
- Up to 4 PCIe 5.0 x16 FHFL double-width + 3 PCIe 5.0 x16 FHFL slots;
- Up to 4 rear hot-swap E1.S NVMe drive bays;
- Two 2700W Titanium Level power supplies;



Form Factor	2U Rackmount Enclosure: 438.4 x 87 x 900mm (17.3" x 3.43" x 35.43") Package: 700 x 280 x 1200mm (27.56" x 11.02" x 47.24")
Processor	Single Socket E2 (LGA-4710) Intel® Xeon® 6700/6500 series processors with P-cores Up to 80C/160T
GPU	Max GPU Count: Up to 4 double-width GPUs Supported GPU: NVIDIA PCIe: H200 NVL (141GB), NVIDIA RTX PRO™ 6000 Blackwell Server Edition CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink™ Bridge (optional)
System Memory	Slot Count: 16 DIMM slots/8 Channels Max Memory (1DPC): Up to 1TB 6400MT/s ECC DDR5 RDIMM Max Memory (1DPC): Up to 512GB 8000MT/s ECC DDR5 MRDIMM Max Memory (2DPC): Up to 2TB 5200MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 4 bays • 4 rear hot-swap E1.S PCIe 5.0 x4 NVMe drive bays M.2: 2 M.2 PCIe 5.0 x2 NVMe slots (M-key 2280/22110)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 4 PCIe 5.0 x16 FHFL double-width slots • 3 PCIe 5.0 x16 FHFL slots M.2: 2 M.2 PCIe 5.0 x2 NVMe slots (M-key 2280/22110)
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 1 USB 3.0 Type-A port(Rear) Video: 1 mini-DP port

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(Front View – System)



Slot	Description
1 – 4	PCIe 5.0 x16 FHFL Double-width GPU
5 – 7	PCIe 5.0 x16 FHFL Networking/DPU

(Rear View – System)



Drive Bay	Description
0 – 3	4 Hot-swap EDSFF E1.S Drive Bays

System Cooling	Fans: 5x 8cm heavy duty fans with optimal fan speed control
Power Supply	2x 2700W Redundant Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB SPI Flash EEPROM
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!; Plug-ins for 3rd Party Software
PC Health Monitoring	CPU: 8+4 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory FAN: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 84 lbs (38 kg) Net Weight: 66 lbs (30 kg) Available Color: Silver
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (max 21° DP; non-condensing) Non-operating Relative Humidity: 8% to 90% (max 38° DP; non-condensing)
Motherboard	**Super X14SBGM**
Chassis	**CSE-MG204-R000NDFP**

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