IoT SuperServer SYS-212GB-NR

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

More details here

Key Applications

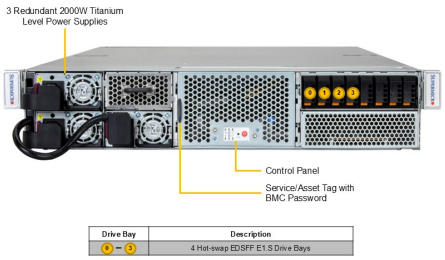
Scientific Research, Model analysis, High Performance Computing (HPC), Research Lab, Financial Services,

Key Features

- Intel® Xeon® 6700 series processors, Single Socket, CPU TDP supports Up to 350W;
- Support up to 4 double-width PCIe GPU accelerator cards;
- Up to 2TB ECC RDIMM DDR5-6400MT/s and up to 512GB MRDIMM DDR5-8000MT/s in 16 DIMM slots;
- Up to 4 PCIe 5.0 x16 FHFL double-width + 3 PCIe 5.0 x16 FHFL slots;
- Up to 4 front hot-swap E1.S NVMe drive bays;
- 3 Redundant 2000W Titanium Level power supplies;
- 2U Rackmount chassis with 35.43" (900mm) depth;

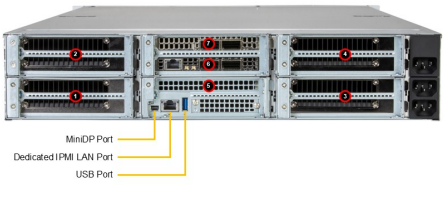
Form Factor	2U Rackmount Enclosure: 438.4 x 88 x 900mm (17.25" x 3.46" x 35.43") Package: (22.5" x 11" x 45.5")
Processor	Single Socket E2 (LGA-4710) Intel® Xeon® 6700-series processors with P-cores Up to 80C/160T
GPU	Max GPU Count: Up to 4 double-width GPUs Supported GPU: NVIDIA PCIe: NVIDIA RTX PRO™ 6000 Blackwell Server Edition, H200 NVL (141GB) 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 front hot-swap E1.S 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)
On-Board Devices	System on Chip
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

(Front View – System)



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

(Rear View – System)



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

System Cooling	Fans: Up to 6x 6cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud
Power Supply	3x 2000W 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: Monitors for CPU Cores, Chipset Voltages, Memory 8+4 Phase-switching voltage regulator FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors 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: Black front & silver body
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-GP201TS-R000NP**