

# 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



## Key Applications

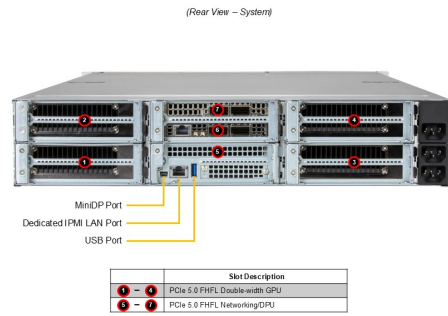
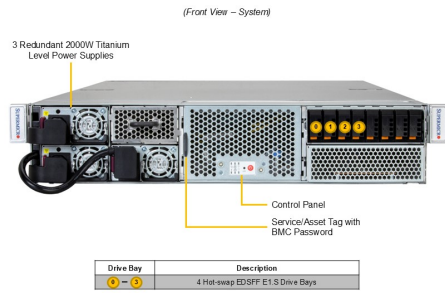
Scientific Research, Model analysis, High Performance Computing (HPC), Research Lab, Financial Services, Edge AI,

## 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;



<b>Form Factor</b>	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")
<b>Processor</b>	Single Socket E2 (LGA-4710) Intel® Xeon® 6700-series processors with P-cores Up to 80C/160T
<b>GPU</b>	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)
<b>System Memory</b>	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
<b>Drive Bays Configuration</b>	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)
<b>Expansion Slots</b>	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)
<b>On-Board Devices</b>	System on Chip
<b>Input / Output</b>	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 1 USB 3.0 Type-A port(Rear) Video: 1 mini-DP port



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: 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: 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	<a href="#"><u>Super X14SBGM</u></a>
Chassis	<b>CSE-GP201TS-R000NP</b>