

GPU SuperServer SYS-422GA-NBRT-LCC



DP Intel 4U Liquid-Cooled System with NVIDIA HGX B200 8-GPU (complete rack and onsite service are required)

Key Applications

Scientific Research, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Finance Services and Fraud Detection, AI/Deep Learning Training and Inference, Large Language Model (LLM) and Generative AI, High Performance Computing (HPC), Autonomous Vehicle Technologies,

Key Features

- Complete liquid-cooled rack integration is required for purchase;
- Dual Intel® Xeon® 6900 series processors with P-cores;
- $\bullet~$ 8x NVIDIA SXM B200 GPUs, 1.4TB of GPU memory space;
- 24x DIMM slots, ECC RDIMM / MRDIMM DDR5 up to 8800MT/s (1DPC);
- 10x PCle 5.0 x16 LP, 2x PCle 5.0 x16 FHHL slots;
- 8x front hot-swap 2.5" NVMe U.2, 2x front hot-swap NVMe M.2;
- 2x 10GbE RJ-45, 1x Dedicated BMC/IPMI;



4U Rackmount
Enclosure: 449 x 174 x 895.35mm (17.6" x 6.85" x 35.25")
Package: 1280 x 410 x 730mm (50.39" x 16.14" x 28.7")
Dual Socket BR (LGA-7529)
Intel® Xeon® 6900 series processors with P-cores
Up to 128C/256T; Up to 504MB Cache per CPU
Max GPU Count: 8 onboard GPUs
Supported GPU: NVIDIA SXM: HGX B200 8-GPU (180GB)
CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect
GPU-GPU Interconnect: NVIDIA® NVLink® with NVSwitch™
Slot Count: 24 DIMM slots
Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM
Max Memory (1DPC): Up to 6TB 8800MT/s ECC DDR5 MRDIMM
Default: Total 8 bays
8 front hot-swap 2.5" NVMe drive bays
M.2: 2 M.2 NVMe slots (M-key)
Default
• 10 PCIe 5.0 x16 LP slots
• 2 PCIe 5.0 x16 FHHL slots
Chipset: System on Chip
Network Connectivity: 2 RJ45 10GbE with Intel® X710-AT2
1 VGA port





4 Redundant 6000W Teanium
Level Power Supplies

Desicated IPMI Port
Dual 10G RJ45 Ports

Stot Description
Pole 5 0 x16 LP from PLX search
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(Rear View - System)

System Cooling	Fans: 5 Fan 60mm Fan(s)
	Liquid Cooling: Direct to Chip (D2C) Cold Plate
Power Supply	4x 6600W Redundant (2 + 2) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-
	Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
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: 216 lbs (98 kg)
	Net Weight: 176 lbs (80 kg)
	Available Color: Silver
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 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 X14DBG-DAP
Chassis	CSE-GP403TS-R000NP