



GPU SuperServer SYS-422GS-NBRT-LCC

DP Intel 4U Liquid-Cooled System with NVIDIA HGX B300 8-GPU (complete rack and onsite service are required)

Key Applications

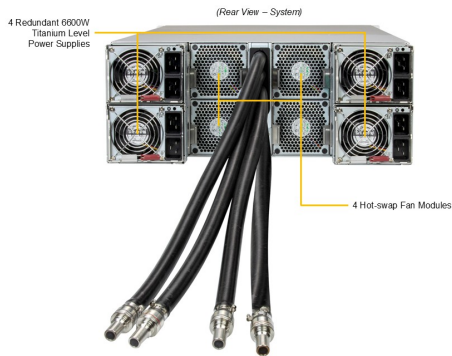
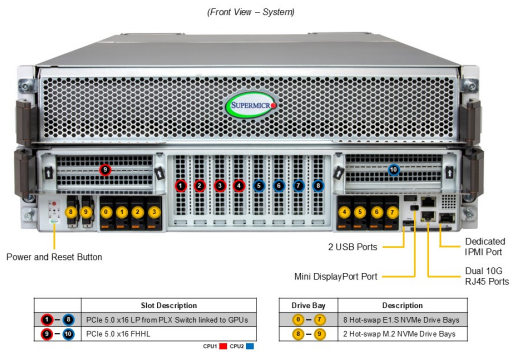
Scientific Research, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Finance Services and Fraud Detection, AI/Deep Learning Training and Inference, Large Language Model (LLM) and Generative AI, High Performance Computing (HPC), Autonomous Vehicle Technologies,

Key Features

- Complete liquid-cooled rack integration is required for purchase;
- Dual Intel® Xeon® 6700 series processors with P-cores;
- 8x Nvidia B200 GPUs, 1.4TB of GPU memory space;
- 32x DIMMs slots, RDIMM ECC DDR5;
- 8x PCIe 5.0 x16 LP + 2x PCIe 5.0 x16 FHHL slots;
- 8x front hot-swap E1.S + 2x M.2 NVMe drive bays;
- 2x 10GbE, 1x Dedicated BMC/IPMI;
- 4x Redundant 6600W Titanium Level power supplies;



Form Factor	4U Rackmount Enclosure: 448 x 174 x 991.4mm (17.6" x 6.85" x 39.03") Package: 795 x 410 x 1395mm (31.29" x 16.14" x 54.92")
Processor	Dual Socket E2 (LGA-4710) Intel® Xeon® 6700-series processors with P-cores
GPU	Max GPU Count: 8 onboard GPUs Supported GPU: NVIDIA SXM: HGX B300 8-GPU (288GB) CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink™ with NVSwitch™
System Memory	Slot Count: 32 DIMM slots Max Memory (1DPC): Up to 4TB 6400MT/s ECC DDR5 RDIMM Max Memory (2DPC): Up to 8TB 5200MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 8 bays • 8 front hot-swap E1.S NVMe drive bays M.2: 2 M.2 NVMe slots (M-key; RAID support via S3808N controller)
Expansion Slots	Default • 8 PCIe 5.0 x16 LP slots • 2 PCIe 5.0 x16 FHHL slots
On-Board Devices	Chipset: System on Chip Network Connectivity: 2 RJ45 10GbE with Intel® X710-AT2
Input / Output	Video: 1 VGA port(Front) 1 Mini-DP port(Front) TPM: 1 TPM header



System Cooling	Fans: Up to 6 Fan 80mm 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 64MB UEFI
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: 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: 280 lbs (127 kg) Net Weight: 236 lbs (107 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-LC+
Chassis	CSE-GP405TS-R000NP