

GPU SuperServer SYS-822GS-NB3RT

DP Intel 8U System with NVIDIA HGX B300 8-GPU

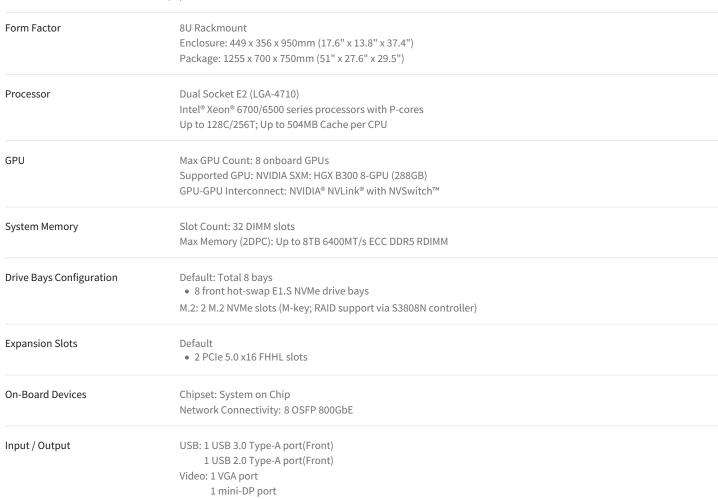


Key Applications

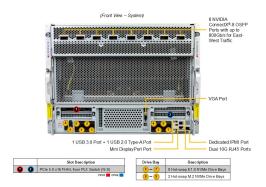
Scientific Research, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Finance Services and Fraud Detection, AI/Deep Learning Training and Inference, Large Language Model (LLM) and Generative AI, High Performance Computing (HPC), Autonomous Vehicle Technologies,

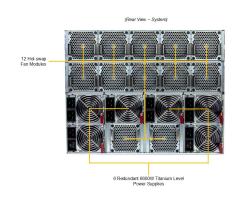
Key Features

- Dual Intel® Xeon® 6700 series processors with P-cores, up to 350W TDP;
- 8x B300 Blackwell Ultra SXM GPUs with NVSwitch;
- 8x CX-8 Integrated 800G NICs supporting IB XDR or ETH 2x400GbE per NIC;
- 32x DIMM slots supporting up to 8TB of memory;
- 8x front hot-swap E1.S + 2x M.2 NVMe drive bays;
- 2x PCIe 5.0 x16 FHHL slots;
- 1x USB 3.0, 1x USB 2.0, 1x Mini-DP, 1x BMC/IPMI GbE LAN, 2x 10GbE NIC (X710);
- 6x redundant (3+3) 6.6kW Titanium level power supplies;
- 8U air-cooled chassis with front I/O;









System Cooling	Fans: 12 heavy duty fans with optimal fan speed control
Power Supply	6x 6600W Redundant (3 + 3) 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: 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: 302 lbs (137 kg)
	Net Weight: 263 lbs (119 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-GP807TS-R000NP