

GPU SuperServer SYS-422GA-NRT-01-G2

DP Intel 4U Dual-Root PCIe GPU System with up to 8 GPUs



Key Applications

PaaS - Agent Flow AI Inference

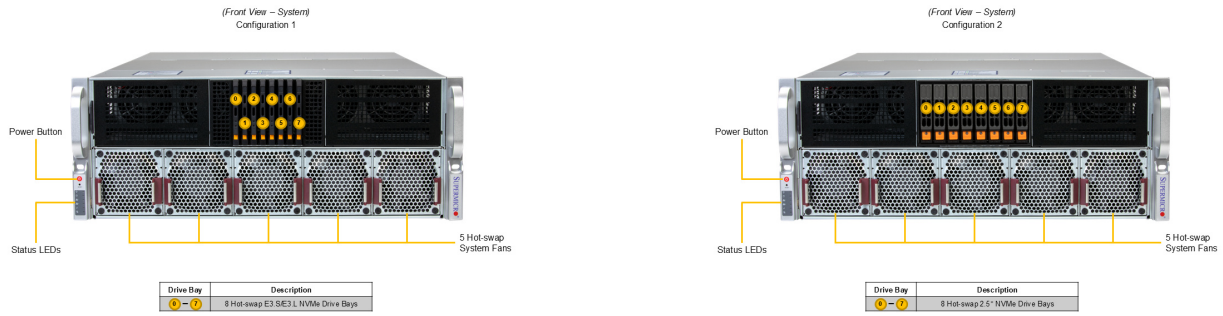
Gold Configuration Details

- CPU: 2x Intel® Xeon® 6960P (144 cores/2.7GHz)
- GPU: 4x NVIDIA RTX PRO™ 6000 Blackwell Server Edition, 96GB GDDR7
- Memory: 1TB DDR5-6400
- Storage: 2x 3.84TB NVMe SSD
- M.2: 1x 960GB M.2 NVMe SSD
- NIC: 1x dual 10GbE RJ45
- Power: 4x 3200W Titanium Level



Base System Specs

Form Factor	4U Rackmount Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") Package: 685 x 675 x 1041mm (27" x 26.57" x 41")
Processor	Dual Socket BR (LGA-7529) Intel® Xeon® 6900 series processors with P-cores Up to 128C/256T; Up to 504MB Cache per CPU
GPU	Max GPU Count: Up to 2 quad-width or 2 triple-width or 8 double-width or 10 single-width GPUs Supported GPU: NVIDIA PCIe: H200 NVL (141GB), NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition, NVIDIA RTX PRO™ 6000 Blackwell Server Edition CPU-GPU Interconnect: PCIe 5.0 x16 Switch Dual-Root GPU-GPU Interconnect: NVIDIA® NVLink™ Bridge (optional)
System Memory	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
Drive Bays Configuration	2 M.2 NVMe slots (M-key)
Expansion Slots	2 M.2 PCIe 5.0 x4 NVMe slots (B+M-key)
On-Board Devices	2 RJ45 10GbE with Intel® X710-AT2
Input / Output	LAN: 2 RJ45 10 GbE LAN ports (Intel® X710) USB: 2 USB 3.0 Type-A ports(Rear) Video: 1 VGA port TPM: 1 TPM header



System Cooling	Fans: 10x 8cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud
Power Supply	4x 3200W Redundant (3 + 1) 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: 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: 100 lbs (45.3 kg) Net Weight: 65.5 lbs (29.7 kg) Available Color: Black Front & Silver Body
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-AP
Chassis	CSE-418G3TS-R6K40P