GPU SuperServer SYS-422GA-NRT

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

More details here

Key Applications

High Performance Computing, VDI, AI/Deep Learning Training, Media/Video Streaming, Cloud Gaming, Animation and Modeling, Design & Visualization, 3D Rendering, Diagnostic Imaging,

Key Features

- Dual Socket BR (LGA-7529) Intel® Xeon® 6900 series processors with P-cores up to 500W with air cooling;
- Support up to 8 double-width 600W PCIe GPU accelerator cards at 35°C Support 8 NVIDIA RTX PRO 6000 Blackwell Server Edition+ 5 NVIDIA BlueField-3 at 35°C;
- Up to 24 DIMMs supporting up to 6TB DDR5-6400 in 1DPC or 6TB DDR5-8800 in 1DPC;
- Flexible networking with up to AIOM slots;
- Up to 13 PCIe 5.0 x16 FHFL slots;

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™ 4500 Blackwell Server Edition, 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	Option A: Total 8 bays • 8 front hot-swap E3.S 1T PCIe 5.0 x4 NVMe drive bays Option B: Total 8 bays • 8 front hot-swap E3.L 1T PCIe 5.0 x4 NVMe drive bays Option C: Total 8 bays • 8 front hot-swap 2.5" PCIe 5.0 x4 NVMe drive bays M.2: 2 M.2 NVMe slots (M-key)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 13 PCIe 5.0 x16 FHFL slots M.2: 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

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(Front View – System)
Configuration 1

Drive Bay	Description
0 – 7	8 Hot-swap E3.S/E3.L NVMe Drive Bays

(Front View – System)
Configuration 2

Drive Bay	Description
0 – 7	8 Hot-swap 2.5" NVMe Drive Bays

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® (SCC); 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**

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