GPU SuperServer SYS-422GL-FNR2

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

Key Applications

High Performance Computing, AI/Deep Learning Training, Industrial Automation, Healthcare, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Climate and Weather Modeling, Finance & Economics,

Key Features

- Dual Socket BR (LGA-7529) Intel® Xeon® 6900 series processors with P-cores up to 500W with air cooling;
- NVIDIA ConnectX®-8 PCIe switch board;
- Support for up to 8 double-width PCIe GPU accelerator cards;
- Up to 24 DIMMs supporting up to 6.0TB DDR5-6400 in 1DPC or 6.0TB DDR5-8800 in 1DPC;
- 1 RJ45 1GBASE-T for BMC;
- Up to 8 PCIe 6.0 x16 FH double-width + 2 PCIe 5.0 single-width x16 FHHL slots;
- Up to 8 rear hot-swap E1.S NVMe drive bays;
- 4 Redundant 3200W Titanium Level power supplies;

Form Factor	4U Rackmount Enclosure: 438.4 x 176 x 800mm (17.26" x 6.93" x 31.5") Package: 1255 x 694 x 495mm (49.41" x 27.32" x 19.49")
Processor	Dual Socket BR (LGA-7529) Intel® Xeon® 6900 series processors with P-cores 128C/144T
GPU	Max GPU Count: Up to 8 double-width GPUs Supported GPU: NVIDIA PCIe: H200 NVL (141GB), 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): 6.0TB 6400MT/s ECC DDR5 RDIMM Max Memory (1DPC): 6.0TB 8800MT/s ECC DDR5 MRDIMM
Drive Bays Configuration	Default: Total 8 bays • 8 front hot-swap E1.S NVMe drive bays M.2: 2 M.2 PCIe 4.0 x4 NVMe slots (M-key 2280(default))
Expansion Slots	Default • 8 PCIe 6.0 x16 FH double-width slots • 2 PCIe 5.0 x16 FHHL slots
On-Board Devices	Chipset: System on Chip Network Connectivity: 1 RJ45 1GBASE-T with ASPEED AST2600
Input / Output	USB: 1 USB 3.0 Type-A port(Rear) Video: 1 mini-DP port TPM: 1 TPM header

System Cooling	Fans: 10 Fan 80mm Fan(s)
Power Supply	4x 3200W Redundant (3 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB UEFI
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
Dimensions and Weight	Weight: Gross Weight: 96.45 lbs (43.75 kg) Net Weight: 49.5 lbs (22.45 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-MAP**
Chassis	**CSE-MG401TS-R0BNDFP**