

# GPU SuperServer SYS-422GA-NRT

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



## Key Applications

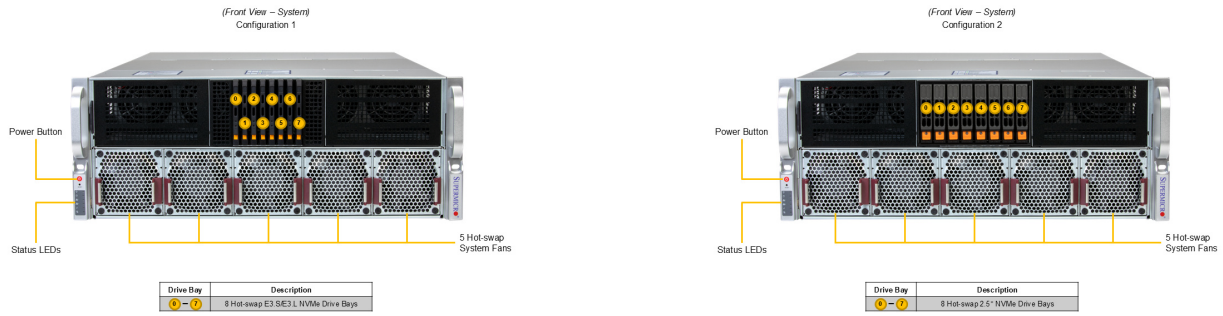
High Performance Computing, VDI, AI/Deep Learning Training, Media/Video Streaming, Cloud Gaming, Animation and Modeling, Design & Visualization, 3D Rendering, Diagnostic Imaging,

## 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;



<b>Form Factor</b>	<p>4U Rackmount</p> <p>Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29")</p> <p>Package: 685 x 675 x 1041mm (27" x 26.57" x 41")</p>
<b>Processor</b>	<p>Dual Socket BR (LGA-7529)</p> <p>Intel® Xeon® 6900 series processors with P-cores</p> <p>Up to 128C/256T; Up to 504MB Cache per CPU</p>
<b>GPU</b>	<p>Max GPU Count: Up to 2 quad-width or 2 triple-width or 8 double-width or 10 single-width GPUs</p> <p>Supported GPU:</p> <p>NVIDIA PCIe: H200 NVL (141GB), NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition, NVIDIA RTX PRO™ 6000 Blackwell Server Edition</p> <p>CPU-GPU Interconnect: PCIe 5.0 x16 Switch Dual-Root</p> <p>GPU-GPU Interconnect: NVIDIA® NVLink™ Bridge (optional)</p>
<b>System Memory</b>	<p>Slot Count: 24 DIMM slots</p> <p>Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM</p> <p>Max Memory (1DPC): Up to 6TB 8800MT/s ECC DDR5 MRDIMM</p>
<b>Drive Bays Configuration</b>	<p>Option A: Total 8 bays</p> <ul style="list-style-type: none"> <li>• 8 front hot-swap E3.S 1T PCIe 5.0 x4 NVMe drive bays</li> </ul> <p>Option B: Total 8 bays</p> <ul style="list-style-type: none"> <li>• 8 front hot-swap E3.L 1T PCIe 5.0 x4 NVMe drive bays</li> </ul> <p>Option C: Total 8 bays</p> <ul style="list-style-type: none"> <li>• 8 front hot-swap 2.5" PCIe 5.0 x4 NVMe drive bays</li> </ul> <p>M.2: 2 M.2 NVMe slots (M-key)</p>
<b>Expansion Slots</b>	<p>PCI-Express (PCIe) Configuration: Default</p> <ul style="list-style-type: none"> <li>• 13 PCIe 5.0 x16 FHFL slots</li> </ul> <p>M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (B+M-key)</p>
<b>On-Board Devices</b>	<p>2 RJ45 10GbE with Intel® X710-AT2</p>
<b>Input / Output</b>	<p>LAN: 2 RJ45 10 GbE LAN ports (Intel® X710)</p> <p>USB: 2 USB 3.0 Type-A ports(Rear)</p> <p>Video: 1 VGA port</p> <p>TPM: 1 TPM header</p>



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	<a href="#"><b>Super X14DBG-AP</b></a>
Chassis	<b>CSE-418G3TS-R6K40P</b>