



More details here

# GPU SuperServer SYS-422GL-NR

DP Intel 4U MGX Dual-Root PCIe GPU System with up to 8 600W GPUs

## Key Applications

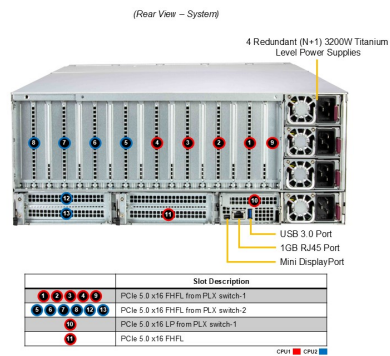
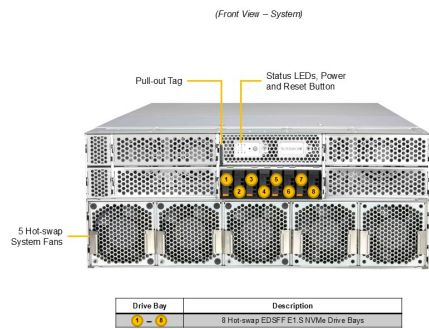
High Performance Computing, AI/Deep Learning Training, Industrial Automation, Healthcare, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Climate and Weather Modeling, Finance & Economics,

## Key Features

- Dual Socket Intel® Xeon® 6 6900 series processors with P-cores up to 500W;
- Support for up to 8x 600W GPU's;
- Supports 24x ECC DDR5 DIMMs at 6400 MT/s;
- 8x PCIe 5.0 x16 for GPU  
4x PCIe 5.0 x16 for NIC  
Additional 1x PCIe 5.0 x16 for NIC/DPU (Via CPU);
- Up to 8 front hot-swap E1.S NVMe drive bays;



|                          |                                                                                                                                                                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | 4U Rackmount<br>Enclosure: 438.4 x 176 x 800mm (17.26" x 6.93" x 31.5")<br>Package: 1255 x 694 x 495mm (49.41" x 27.32" x 19.49")                                                                                                                         |
| Processor                | Dual Socket BR (LGA-7529)<br>Intel® Xeon® 6900 series processors with P-cores<br>72C/144T                                                                                                                                                                 |
| GPU                      | Max GPU Count: Up to 8 double-width GPUs<br>Supported GPU: NVIDIA PCIe: H200 NVL (141GB), NVIDIA RTX PRO™ 6000 Blackwell Server Edition<br>CPU-GPU Interconnect: PCIe 5.0 x16 Switch Dual-Root<br>GPU-GPU Interconnect: NVIDIA® NVLink™ Bridge (optional) |
| System Memory            | Slot Count: 24 DIMM slots<br>Max Memory (1DPC): 6.0TB 6400MT/s ECC DDR5 RDIMM<br>Max Memory (1DPC): 6.0TB 8800MT/s ECC DDR5 MRDIMM                                                                                                                        |
| Drive Bays Configuration | Default: Total 8 bays <ul style="list-style-type: none"> <li>• 8 front hot-swap E1.S NVMe drive bays</li> </ul> M.2: 2 M.2 PCIe 4.0 x4 NVMe slots (M-key 2280(default))                                                                                   |
| Expansion Slots          | Default <ul style="list-style-type: none"> <li>• 8 PCIe 5.0 x16 FH double-width slots</li> <li>• 4 PCIe 5.0 x16 HHHL slots</li> </ul> Option A <ul style="list-style-type: none"> <li>• 1 PCIe 5.0 x16 FHHL slot</li> </ul>                               |
| On-Board Devices         | 1 RJ45 1GBASE-T with ASPEED AST2600                                                                                                                                                                                                                       |
| Input / Output           | USB: 1 USB 3.0 Type-A port(Rear)<br>Video: 1 mini-DP port<br>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® (SCC); 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)<br>Net Weight: 49.5 lbs (22.45 kg)<br>Available Color: Silver                                                                                                                                  |
| Operating Environment | Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing) |
| Motherboard           | <a href="#">Super X14DBG-MAP</a>                                                                                                                                                                                                          |
| Chassis               | CSE-MG401TS-R0ANDFP1                                                                                                                                                                                                                      |