# GPU SuperServer AS -8126GS-NB3RT-01-G2

DP AMD 8U GPU System with NVIDIA HGX B300 NVL8

SUPERMICRO GOLD SERIES

More details here

## Key Applications

Large-Scale AI Inference Serving

## Gold Configuration Details

- CPU: 2x AMD EPYC™ 9575F (128C/3.3GHz)
- GPU: NVIDIA HGX™ B300 8-GPU
- Memory: 3TB DDR5-6400
- Storage: 8x 7.6TB E1.S NVMe SSD
- M.2: 2x 1.9TB M.2 NVMe SSD
- NIC: 8-port 800GbE/XDR800
- NIC: 2x 2-port 200GbE/NDR200
- Power: Redundant 6600W Titanium Level

## Base System Specs

| | |
|---|---|
| Form Factor | 8U Rackmount<br>Enclosure: 449 x 356 x 950mm (17.6" x 13.8" x 37.4")<br>Package: 730 x 670 x 1280mm (28.74" x 26.38" x 50.39") |
| Processor | Dual processor(s)<br>AMD EPYC™ 9005 Series Processors<br>Up to 384C/768T |
| GPU | Max GPU Count: 8 onboard GPUs<br>Supported GPU: NVIDIA SXM: HGX B300 8-GPU (288GB)<br>CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect<br>GPU-GPU Interconnect: NVIDIA® NVLink™ with NVSwitch™ |
| System Memory | Slot Count: 24 DIMM slots<br>Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM<br>Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM |
| Drive Bays Configuration | 2 M.2 NVMe slots (M-key) |
| On-Board Devices | 8 OSFP 800GbE<br>2 RJ45 10GbE |
| Input / Output | USB: 1 USB 3.0 Type-A port (Front)<br>1 USB 2.0 Type-A port (Front)<br>Video: 1 VGA port<br>1 mini-DP port |

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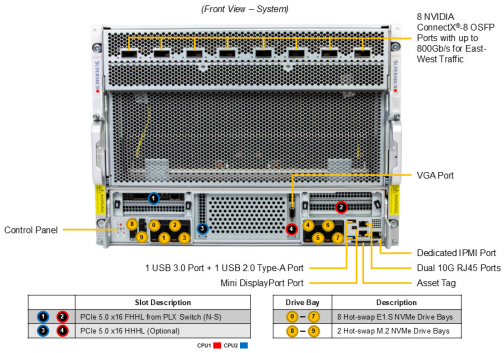


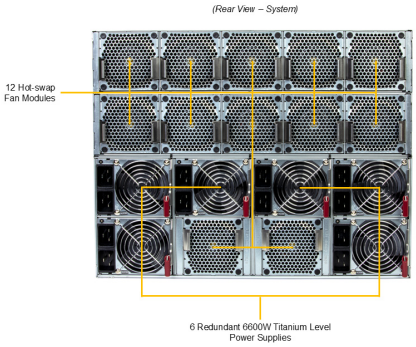


| | |
|---|---|
| System Cooling | Fans: Up to 12 heavy duty fans with optimal fan speed control |
| Power Supply | 6x 6600W Redundant (3 + 3) Titanium Level (96%) power supplies |
| System BIOS | BIOS Type: AMI 64MB UEFI |
| Management | SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!; SFT-DCMS-SINGLE |
| PC Health Monitoring | CPU: 8+4 Phase-switching voltage regulator<br>Monitors for CPU Cores, Chipset Voltages, Memory<br>Fan: Fans with tachometer monitoring<br>Pulse Width Modulated (PWM) fan connectors<br>Status monitor for speed control<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 302 lbs (137 kg)<br>Net Weight: 263 lbs (119 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 | **Super H14DSG-OM** |
| Chassis | **CSE-GP807TS-R000NP** |

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