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

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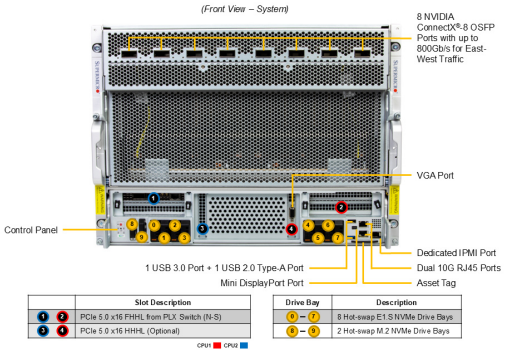

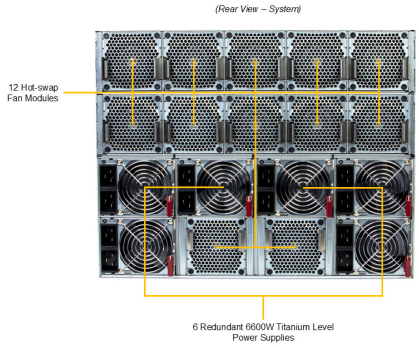

System Cooling	Fans: Up to 12 heavy duty fans with optimal fan speed control
Power Supply	6x 6600W Redundant (3 + 3) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB UEFI
Management	SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!; SFT-DCMS-SINGLE
PC Health Monitoring	CPU: 8+4 Phase-switching voltage regulator 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: 302 lbs (137 kg) Net Weight: 263 lbs (119 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 H14DSG-OM**
Chassis	**CSE-GP807TS-R000NP**

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