



GPU SuperServer AS -8126GS-TNMR

DP AMD 8U System with AMD Instinct™ MI325X/MI350X 8-GPU

Key Applications

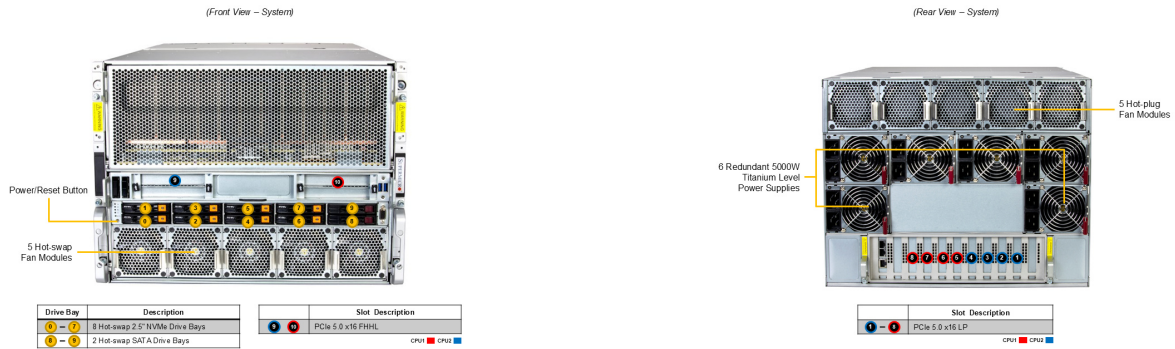
High Performance Computing, Database Processing and High Density Storage, AI/Deep Learning Training, Industrial Automation, Machine Learning (ML), Data center, Climate and Weather Modeling,

Key Features

- Dual Socket SP5 AMD EPYC™ 9005/9004 Series Processors up to 500W with air cooling;
- 8x MI325x or MI350x onboard OAM GPU Accelerator Cards;
- Supports up to 24 DIMMs slots, 6400 MT/s 6TB DDR5 memory in 1DPC (Please check System Memory Section for detail);
- 8x front hot-swap 2.5" NVMe + 2 front hot-swap 2.5" SATA;
- Total of 8 PCIe 5.0 x16 LP + 2 PCIe 5.0 x16 FHHL slots;
- Total of 6 (3+3) Titanium Level Efficiency 5250W Power Supplies (Power supply full redundancy based on configuration and application load);



Form Factor	8U Rackmount Enclosure: 447 x 356 x 843mm (17.6" x 13.8" x 33.2") Package: 730 x 660 x 1280mm (28.74" x 26" x 50.39")
Processor	Dual processor(s) AMD EPYC™ 9005/9004 Series Processors Up to 384C/768T
GPU	Max GPU Count: 8 onboard GPUs CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: AMD Infinity Fabric™ Link
System Memory	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor)
Drive Bays Configuration	Default: Total 10 bays <ul style="list-style-type: none"> • 2 front hot-swap 2.5" SATA drive bays • 8 front hot-swap 2.5" NVMe drive bays M.2: 2 M.2 NVMe slots (M-key)
Expansion Slots	PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> • 8 PCIe 5.0 x16 LP slots • 2 PCIe 5.0 x16 FHHL slots M.2: 2 M.2 PCIe 3.0 x4 NVMe slots (M-key 22110(default))
On-Board Devices	2 RJ45 10GbE with Intel® X710
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 Type-A ports(Rear) Video: 1 VGA port TPM: 1 TPM header



System Cooling	<p>Fans: Up to 14 heavy duty fans with optimal fan speed control</p> <p>Air Shroud: 1 Air Shroud</p>
Power Supply	<p>6x 5250W Redundant (3 + 3) Titanium Level (96%) power supplies</p>
System BIOS	<p>BIOS Type: AMI 64MB SPI Flash EEPROM</p>
Management	<p>SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!</p>
PC Health Monitoring	<p>CPU: 7 +1 Phase-switching voltage regulator</p> <p>Monitors for CPU Cores, Chipset Voltages, Memory</p> <p>FAN: Fans with tachometer monitoring</p> <p>Status monitor for speed control</p> <p>Temperature: Monitoring for CPU and chassis environment</p> <p>Thermal Control for fan connectors</p>
Dimensions and Weight	<p>Weight: Gross Weight: 336 lbs (152.4 kg)</p> <p>Net Weight: 288 lbs (130.635 kg)</p> <p>Available Color: Silver</p>
Operating Environment	<p>Operating Temperature: 10°C to 35°C (50°F to 95°F)</p> <p>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)</p> <p>Operating Relative Humidity: 8% to 90% (non-condensing)</p> <p>Non-operating Relative Humidity: 5% to 95% (non-condensing)</p>
Motherboard	<p>Super H14DSG-OD</p>
Chassis	<p>CSE-GP805TS-R000NPF</p>