GPU SuperServer AS -8126GS-TNMR

DP AMD 8U System with AMD Instinct™ MI325X 8-GPU
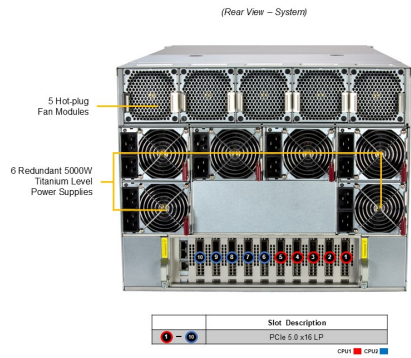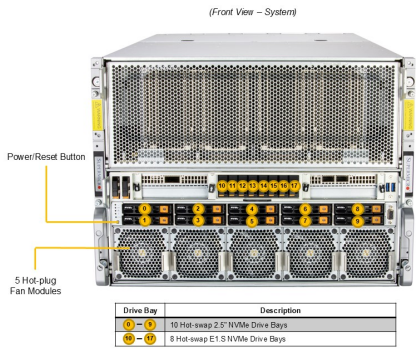
Key Applications

High Performance Computing, AI/Deep Learning Training, Industrial
Automation, Retail, Climate and Weather Modeling,

Key Features

- Dual Socket SP5 AMD EPYC™ 9005/9004 Series Processors up to 500W with air cooling;
- 8 onboard OAM GPU accelerator cards;
- Up to 24 DIMMs supporting up to 9TB DDR5-6000 in 1DPC;
- Up to 8 PCIe 5.0 x16 LP + 2 PCIe 5.0 x16 FHFL slots;
- 8 front hot-swap 2.5" NVMe + 2 front hot-swap 2.5" SATA w/ optional 8 E1.S drives;

Form Factor	8U Rackmount Enclosure: 447 x 356 x 843mm (17.6" x 13.8" x 33.2") Package: 1300 x 700 x 750mm (51" x 27.6" x 29.5")
Processor	Dual processor(s) AMD EPYC™ 9005/9004 Series Processors
GPU	Max GPU Count: Up to 8 onboard GPUs Supported GPU: AMD: Instinct MI300X Accelerators 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 9TB 6000MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 10 bays • 2 front hot-swap 2.5" SATA drive bays • 8 front hot-swap 2.5" NVMe drive bays Option A: Total 8 bays • 8 front hot-swap E1.S NVMe drive bays M.2: 2 M.2 NVMe slots (M-key)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 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	System on Chip
Input / Output	1 VGA port

(Front View – System)

(Rear View – System)

Power/Reset Button

5 Hot-plug
Fan Modules

5 Hot-plug
Fan Modules

6 Redundant 5000W
Titanium Level
Power Supplies

Drive Bay	Description
0 – 9	10 Hot-swap 2.5" NVMe Drive Bays
10 – 17	8 Hot-swap E1.S NVMe Drive Bays

	Slot Description
1 – 9	PCIe 5.0 x16 LP

CPU1 ■ CPU2 ■

System Cooling	Fans: N/A
Power Supply	6x 5250W Redundant Titanium (certification pending) Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB SPI Flash EEPROM
Management	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!
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 　　7 +1 Phase-switching voltage regulator FAN: Fans with tachometer monitoring 　　Status monitor for speed control Temperature: Monitoring for CPU and chassis environment 　　　Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 158.73 lbs (72 kg) 　　Net Weight: 105.82 lbs (48 kg) Available Color: Silver
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 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-OD
Chassis	**CSE-GP805TS-R000NPF**