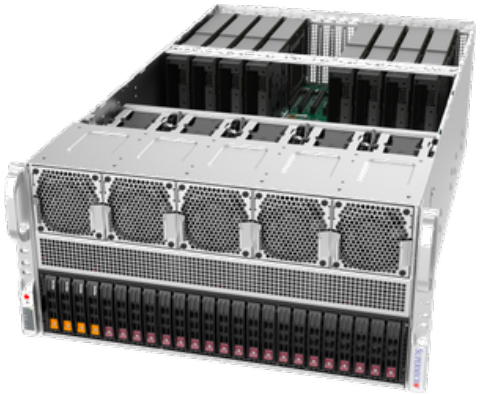
GPU SuperServer AS -5126GS-TNRT

DP AMD 5U System with 8 PCIe GPUs

More details here

Key Applications

AI / Deep Learning, 3D Rendering Farm, Visualization / Simulation, High Performance Computing, Multimedia/Digital Content creation,



Key Features

- Dual Socket SP5 AMD EPYC™ 9005 Series Processors up to 500W with air cooling;
- Supports up to 24 DIMM slots, 6400 MT/s 6TB DDR5 in 1DPC (Please check System Memory Section for detail);
- Total of 9 PCIe 5.0 x16 FHFL slots (If NVMe drives are disabled, then can be used as 10th PCIe 5.0 x16 FHFL slot)- Option A;
- Supports up to 8 double-width PCIe GPU accelerator cards;
- Dual front hot-swap 2.5" SATA + 4 front hot-swap 2.5" NVMe drive bays (The PCIe signal for 4 NVMe drives can be re-directed for PCIe slot8 enablement);
- Total of 6x 2700W Redundant (3+3 or 4+2) Titanium Level power supplies (3+3 under 8100 Watt, 4+2 under 10,800 Watt) (Power supply redundancy based on configuration and application load);

Form Factor	5U Rackmount Enclosure: 438 x 222.5 x 786.1mm (17.2" x 8.75" x 31") Package: 720 x 440 x 1080mm (28.34" x 17.32" x 42.51")
Processor	Dual processor(s) AMD EPYC™ 9005/9004 Series Processors Up to 192C/384T
GPU	Max GPU Count: Up to 8 double-width GPUs Supported GPU: NVIDIA PCIe: H100 NVL, H200 NVL (141GB), L40S, NVIDIA RTX PRO™ 6000 Blackwell Server Edition AMD PCIe: AMD Instinct™ MI350P CPU-GPU Interconnect: Direct Attached GPU-GPU Interconnect: NVIDIA® NVLink™ Bridge (optional), AMD Infinity Fabric™ Link (optional)
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 6 bays • 2 front hot-swap 2.5" SATA drive bays • 4 front hot-swap 2.5" NVMe drive bays Option A: Total 2 bays • 2 front hot-swap 2.5" SATA drive bays M.2: 1 M.2 PCIe 3.0 x4 NVMe slot (M-key)
Expansion Slots	Default • 9 PCIe 5.0 x16 FHFL double-width slots Option A • 10 PCIe 5.0 x16 FHFL double-width slots
On-Board Devices	SATA: SATA (6Gbps) Network Connectivity: 2 RJ45 10GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GBASE-T LAN ports USB: 2 ports (rear) Video: 1 VGA port

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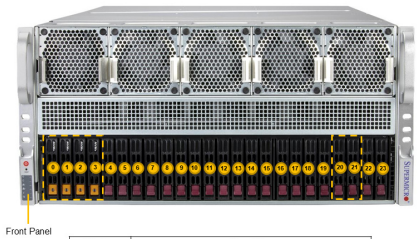
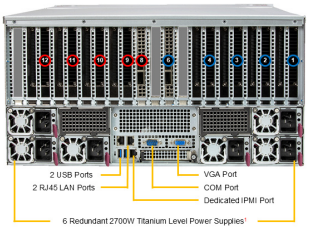
(Front View – System)



Front Panel

Drive Bay	Description
0 – 3	4 Hot-swap 2.5" NVMe Drive Bays
20 – 23	2 Hot-swap 2.5" SATA Drive Bays

(Rear View – System)



Slot	Description
1 – 4, 6, 8 – 12	PCIe 5.0 x16 FHFL
5	PCIe 5.0 x16 or x8 FHFL (optional)[2]

CPU1 CPU2

[1] Full redundancy based on configuration and application load
[2] PCIe lane support based on NVMe drive bay configuration

System Cooling	Fans: Up to 10 heavy duty fans with optimal fan speed control
Power Supply	6x 2700W Redundant (4 + 2) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB SPI Flash EEPROM
Management	SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	CPU: 7 +1 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: 100 lbs (45.3 kg) Net Weight: 65.5 lbs (29.7 kg) Available Color: Black Front & Silver Body
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-O-CPU**
Chassis	**CSE-528G2TS-R000NDP**

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