

# GPU A+ Server AS -4125GS-TNRT1



More details here

## Key Applications

AI / Deep Learning, High Performance Computing,

## Key Features

- Single Root Configuration with PCIe Switch for up to 10 double width, full length GPUs; Flexible GPU support: active & passive GPUs;
- up to 8x 2.5" Hot-swap NVMe drive bays ;
- AIOM / OCP 3.0 Support;



Form Factor	4U Rackmount Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") Package: (27" x 26.57" x 41")
Processor	Single Socket SP5 AMD EPYC™ 9004 Series Processors Up to 128C/256T
GPU	Max GPU Count: Up to 10 double-width or 10 single-width GPU(s) Supported GPU: AMD PCIe: Instinct MI210 NVIDIA PCIe: H100, RTX 6000 ADA, L40S, A100, L40 CPU-GPU Interconnect: PCIe 5.0 x16 Switch Single-Root GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional), AMD Infinity Fabric™ Link (optional)
System Memory	Slot Count: 12 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM/LRDIMM
Drive Bays	24x 2.5" hot-swap NVMe/SATA/SAS drive bays (8x 2.5" NVMe dedicated)
Expansion Slots	12 PCIe 5.0 x16 FHFL slot(s)
On-Board Devices	SATA: SATA3 (6Gbps) Chipset: AMD SP5 Network Connectivity: 2x 10GbE BaseT IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	Video: 1 VGA port(s)

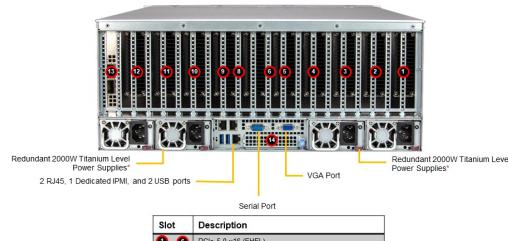
(Front View – System)



Front Panel

Drive Bay	Description
1-10	Hot-swap 2.5" SATA (default)
11-12	Hot-swap 2.5" NVMe (default)
13-14	Hot-swap 2.5" SATA/SAS (requires optional storage controller)

(Rear View – System)



Redundant 2000W Titanium Level Power Supplies\*

2 RJ45, 1 Dedicated IPMI, and 2 USB ports

VGA Port

Redundant 2000W Titanium Level Power Supplies\*

Slot	Description
1	POE 5.0 x16 (FHFL)
2	Not used
3	POE 5.0 x16 (FHFL)
4	POE 5.0 x16 AGM (OCP 3.0 Compatible)

\*Full redundancy based on configuration and application load.

## System Cooling

Fans: 8 heavy duty fans with optimal fan speed control

## Power Supply

4x 2000W Redundant Titanium Level power supplies

## System BIOS

BIOS Type: AMI 32MB SPI Flash EEPROM

## Management

Redfish API; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0

## 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

Pulse Width Modulated (PWM) fan connectors

Temperature: Monitoring for CPU and chassis environment

Thermal Control for fan connectors

## Dimensions and Weight

Height: 7" (178 mm)

Width: 17.2" (437 mm)

Depth: 29" (737 mm)

Gross Weight: 100 lbs (45.3 kg)

Net Weight: 65.5 lbs (29.7 kg)

Packaging: 26.57" x 27" x 41"

Available Color: Black Front &amp; Silver Body

## 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 H13DSG-O-CPU](#)

## Chassis

CSE-418G2TS