GPU A+ Server AS -4125GS-TNRT
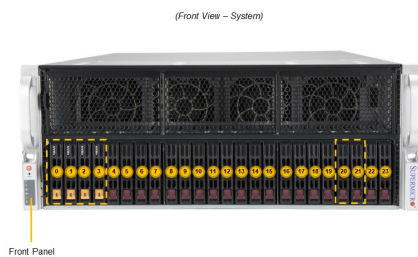
More details here

Key Applications

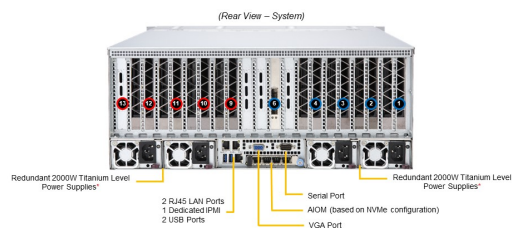AI / Deep Learning, High Performance Computing,

Key Features

- Flexible GPU support: active & passive GPUs; Up to 8 direct attached double width, full length GPUs;
- Dual-Socket, AMD EPYC™ 9004 Series Processors up to 360W TDP; AMD EPYC™ 9004 Series Processor up to 360W TDP;
- 12 DIMM Slots, up to 3TB DDR5 memory; 24 DIMM Slots, up to 6TB DDR5 memory;
- 1 M.2 Slot; up to 4x 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	AMD EPYC™ 9004 Series Processors Dual Socket (Socket SP5) supported TDP up to 400W;

GPU	Supported GPU: Up to 8 Double-Width/Single-Width Cards (Full Height Full Length)
	          NVIDIA H100 and AMD MI200 series
	          Supports both active and passive cooled GPUs
	CPU-GPU Interconnect: Direct Attached
	GPU-GPU Interconnect: NVIDIA® NVLink™ Bridge (optional)

System Memory	24 DIMM slots Up to 6TB ECC LRDIMM, DDR5-4800MHz
Drive Bays	24x 2.5" hot-swap NVMe/SATA/SAS drive bays (4x 2.5" NVMe dedicated) 1 M.2 NVMe
Expansion Slots	9 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)

(Rear View – System)

Front Panel

Drive Bay	Description
0 — 4	4x 2.5" hot-swap U.2 NVMe Drive Bays (default)
20 — 21	2x 2.5" hot-swap SATA Drive Bays (default)
0 — 23	24x 2.5" hot-swap SATA Drive Bays (requires optional RAID controller)

Redundant 2000W Titanium Level Power Supplies*

Redundant 2000W Titanium Level Power Supplies*

2 RJ45 LAN Ports
1 Dedicated IPMI
2 USB Ports

Serial Port
AIOM (based on NVMe configuration)
VGA Port

Slot Description	
9 — 12	PCIe 5.0 x16 (FHFL)
13	PCIe 5.0 x8 (FHFL) optional based on NVMe configuration

Slot Description	
1 — 4	PCIe 5.0 x16 (FHFL)
5	PCIe 5.0 x16 (FHFL)

*Full redundancy based on configuration and application load.

CPU1 ■ CPU2 ■

System Cooling
8 heavy duty fan(s)

Power Supply
2000W 1U redundant power supply W73.5 x L203 x H40mm
Dimension (W x H x L): 73.5 x 40 x 203 mm
Output Type: Backplanes (gold finger)

System BIOS
BIOS Type: AMI 32MB SPI Flash EEPROM

Management
SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM; IPMI 2.0; Redfish API; OOB Management Package (SFT-OOB-LIC)

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 & 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