

GPU A+ Server AS -4125GS-TNRT

DP AMD 4U System with up to 8 PCIe Direct-Connect GPUs



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;
- 24 DIMM Slots, up to 6TB DDR5 memory;
- 1 M.2 Slot
up to 4x 2.5" Hot-swap NVMe drive bays;



Form Factor	4U Rackmount Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") Package: (27" x 26.57" x 41")
Processor	Dual Socket SP5 AMD EPYC™ 9004 Series Processors Up to 128C/256T
GPU	Max GPU Count: Up to 8 double-width GPU(s) Supported GPU: NVIDIA PCIe: H100 NVL, H100, RTX 4000 SFF Ada Generation, L40, RTX A5500, RTX A4000, RTX 6000, RTX 5000, L40S, A40, A30, A100 AMD PCIe: Instinct MI210 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 4800MT/s ECC DDR5 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 6 bay(s) <ul style="list-style-type: none"> • 2 front hot-swap 2.5" SATA drive bay(s) • 4 front hot-swap 2.5" NVMe drive bay(s) M.2: 1 M.2 PCIe 3.0 x4 NVMe slot(s) (M-key)
Expansion Slots	Default <ul style="list-style-type: none"> • 9 PCIe 5.0 x16 FHFL slot(s)
On-Board Devices	SATA: SATA (6Gbps) Chipset: AMD SP5 Network Connectivity: 2 RJ45 10GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) 2 RJ45 10 GBASE-T LAN port(s) USB: 2 port(s) (rear) Video: 1 VGA port(s) Serial: 1 COM port(s) (Rear)

(Front View – System)

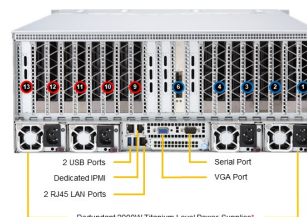


Front Panel

Drive Bay	Description
1 – 4	4 Hot-swap 2.5" NVMe Drive Bays
5 – 6	2 Hot-swap 2.5" SATA Drive Bays*
7 – 10	Hot-swap 2.5" SATA Drive Bays* (optional)

*Requires optional RAID controller

(Rear View – System)


 2 USB Ports
 Dedicated IPMI
 2 RJ45 LAN Ports
 Serial Port
 VGA Port
 Redundant 2000W Titanium Level Power Supplies*

Slot	Slot Description
1 – 4	PCIe 5.0 x16 (FHFL)
5 – 6	PCIe 5.0 x16 (FHFL)
7	PCIe 5.0 x8 (FHFL) - optional based on NVMe configuration

CPU1 CPU2

*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	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; TAS: Supermicro Thin-Agent Service (TAS); 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 Pulse Width Modulated (PWM) fan connectors 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 ~ 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