

# 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  
8 Hot-Swap Heavy Duty Fans with Optimal Fan Speed Control;
- Dual-Socket, AMD EPYC™ 9004/9005 Series Processors;
- 24 DIMM Slots, up to 6TB DDR5 memory;
- up to 4 Hot-swap 2.5" NVMe drive bays  
1 M.2 Slot;



Form Factor	4U Rackmount Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") Package: 685 x 675 x 1041mm (27" x 26.57" x 41")
Processor	Dual processor(s) AMD EPYC™ 9004/9005 Series Processors (* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x) Up to 160C/320T; Up to 512MB Cache per CPU
GPU	Max GPU Count: Up to 8 double-width GPUs 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 (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 9.2TB 5200MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)
Drive Bays Configuration	Default: Total 6 bays <ul style="list-style-type: none"> <li>• 2 front hot-swap 2.5" SATA drive bays</li> <li>• 4 front hot-swap 2.5" NVMe drive bays</li> </ul> M.2: 1 M.2 PCIe 3.0 x4 NVMe slot (M-key)
Expansion Slots	Default <ul style="list-style-type: none"> <li>• 9 PCIe 5.0 x16 FHFL slots</li> </ul>
On-Board Devices	SATA: SATA (6Gbps) Chipset: AMD SP5 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 Serial: 1 COM port(Rear)

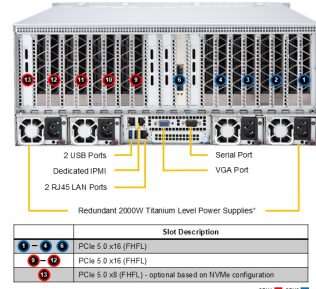
(Front View – System)



Drive Bay	Description
1 – 4	4 Hot-swap 2.5" NVMe Drive Bays
5 – 8	2 Hot-swap 2.5" SATA Drive Bays*
9 – 16	Hot-swap 2.5" SATA Drive Bays* (optional)

\*Requires optional RAID controller

(Rear View – System)



Slot	Slot Description
1 – 4	PCIe 5.0 x16 (FHFL)
5 – 8	PCIe 5.0 x16 (FHFL)
9	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 (96%) power supplies
System BIOS	BIOS Type: AMI 32MB 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 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 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	<a href="#">Super H13DSG-O-CPU</a>
Chassis	CSE-418G2TS