

# GPU A+ Server AS -4125GS-TNRT2

DP AMD 4U Dual-Root PCIe GPU System with up to 10 PCIe GPUs



More details here

## Key Applications

AI / Deep Learning, High Performance Computing,

## Key Features

- Flexible GPU support: active & passive GPUs
  - Dual Root Configuration with PCIe Switch for up to 10 double width, full length GPUs
  - 8 Hot-Swap Heavy Duty Fans with Optimal Fan Speed Control;
- Dual-Socket, AMD EPYC™ 9004/9005 Series Processors up to 360W TDP;
- 24 DIMM Slots, up to 6TB DDR5 memory;
- Up to 8 Hot-swap 2.5" NVMe drive bays
  - 1 M.2 Slot;
- AIOM / OCP 3.0 Support;



<b>Form Factor</b>	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")
<b>Processor</b>	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
<b>GPU</b>	Max GPU Count: Up to 10 double-width GPUs Supported GPU: NVIDIA PCIe: H100 NVL, H100, L40, RTX A6000, RTX A5000, RTX A4000, RTX 6000 Ada Generation, L40S, A40, A30, A100 AMD PCIe: Instinct MI210 CPU-GPU Interconnect: PCIe 5.0 x16 Switch Dual-Root GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional), AMD Infinity Fabric™ Link (optional)
<b>System Memory</b>	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)
<b>Drive Bays Configuration</b>	Default: Total 10 bays <ul style="list-style-type: none"> <li>• 8 front hot-swap 2.5" NVMe drive bays</li> <li>• 2 front hot-swap 2.5" SATA drive bays</li> </ul> M.2: 1 M.2 PCIe 3.0 x4 NVMe slot (M-key)
<b>Expansion Slots</b>	Default <ul style="list-style-type: none"> <li>• 11 PCIe 5.0 x16 FHFL slots</li> </ul>
<b>On-Board Devices</b>	SATA: SATA (6Gbps) Chipset: AMD SP5 Network Connectivity: 2 RJ45 10GbE
<b>Input / Output</b>	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)

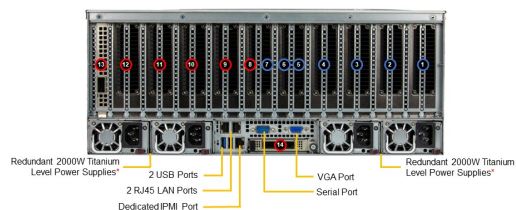
(Front View – System)



Front Panel

Drive Bay	Description
00 - 01	2 Hot-swap 2.5" SATA Drive Bays (default)
02 - 09	8 Hot-swap 2.5" NVMe Drive Bays (default)
10 - 23	24 Hot-swap 2.5" SATA/SAS Drive Bays (requires optional storage controller)

(Rear View – System)



Slot	Description
1 - 4	PCIe 5.0 x16
5 - 8	PCIe 5.0 x16
9	PCIe 5.0 x16 AOM (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 (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 ~ 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	<a href="#">Super H13DSG-O-CPU</a>
Chassis	CSE-418G2TS