

# GPU A+ Server AS -4125GS-TNRT

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



More details here

## Key Applications

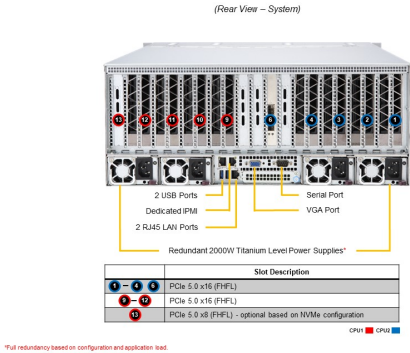
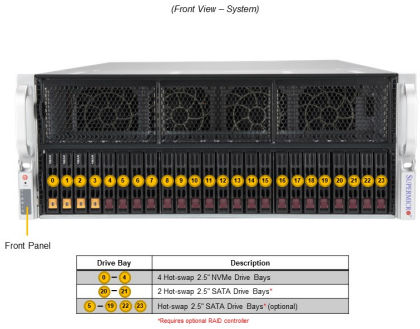
AI / Deep Learning, High Performance Computing,

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



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| Form Factor              | 4U Rackmount<br>Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29")<br>Package: (27" x 26.57" x 41")                                                                                                                                                                                                                                                                    |
| Processor                | Dual Socket SP5<br>AMD EPYC™ 9004 Series Processors<br>Up to 128C/256T                                                                                                                                                                                                                                                                                              |
| GPU                      | Max GPU Count: Up to 8 double-width GPU(s)<br>Supported GPU:<br>NVIDIA PCIe: H100 NVL, H100, RTX 4000 SFF Ada Generation, L40, RTX A5500, RTX A4000, RTX 6000, RTX 5000, L40S, A40, A30, A100<br>AMD PCIe: Instinct MI210<br>CPU-GPU Interconnect: Direct Attached<br>GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional), AMD Infinity Fabric™ Link (optional) |
| System Memory            | Slot Count: 24 DIMM slots<br>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"> <li>2 front hot-swap 2.5" SATA drive bay(s)</li> <li>4 front hot-swap 2.5" NVMe drive bay(s)</li> </ul> M.2: 1 M.2 PCIe 3.0 x4 NVMe slot(s) (M-key)                                                                                                                                                      |
| Expansion Slots          | Default <ul style="list-style-type: none"> <li>9 PCIe 5.0 x16 FHFL slot(s)</li> </ul>                                                                                                                                                                                                                                                                               |
| On-Board Devices         | SATA: SATA (6Gbps)<br>Chipset: AMD SP5<br>Network Connectivity: 2 RJ45 10GbE                                                                                                                                                                                                                                                                                        |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)<br>2 RJ45 10 GBASE-T LAN port(s)<br>USB: 2 port(s) (rear)<br>Video: 1 VGA port(s)<br>Serial: 1 COM port(s) (Rear)                                                                                                                                                                                                      |



|                       |                                                                                                                                                                                                                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>7 +1 Phase-switching voltage regulator<br>FAN: Fans with tachometer monitoring<br>Status monitor for speed control<br>Pulse Width Modulated (PWM) fan connectors<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 100 lbs (45.3 kg)<br>Net Weight: 65.5 lbs (29.7 kg)<br>Available Color: Black Front & Silver Body                                                                                                                                                                                                    |
| Operating Environment | Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)                                                                                    |
| Motherboard           | <a href="#">Super H13DSG-O-CPU</a>                                                                                                                                                                                                                                                                                         |
| Chassis               | CSE-418G2TS                                                                                                                                                                                                                                                                                                                |