

GPU A+ Server AS -4125GS-TNRT1



More details here

Key Applications

AI / Deep Learning, High Performance Computing,

Key Features

- Flexible GPU support: active & passive GPUs; Single Root Configuration with PCIe Switch for up to 10 double width, full length GPUs;
- up to 8x 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	Single Socket SP5 AMD EPYC™ 9004 Series Processors (the latest AMD EPYC™ 9004 Series Processor with AMD 3D V-Cache™ Technology) Up to 128C/256T Supports up to 400W TDP CPUs (Air Cooled)
GPU	Supported GPU: NVIDIA PCIe: H100, H100 NVL, L40S, L40, A100 AMD PCIe: AMD Instinct™ MI210 CPU-GPU Interconnect: PCIe 5.0 x16 Switch Single-Root GPU-GPU Interconnect: NVIDIA® NVLink™ Bridge (optional), AMD Infinity Fabric™ Link (optional)
System Memory	Memory Capacity: 12 DIMM slots Up to 3TB: 12x 256 GB DRAM Memory Type: 4800MHz ECC DDR5 RDIMM/LRDIMM
Drive Bays	24x 2.5" hot-swap NVMe/SATA/SAS drive bays (8x 2.5" NVMe dedicated)
Expansion Slots	12 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)

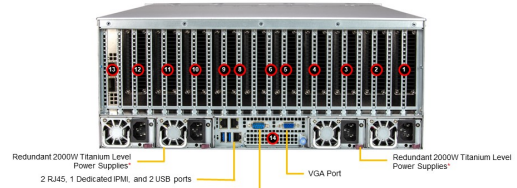
(Front View – System)



Front Panel

Drive Bay	Description
00 - 07	Hot-swap 2.5" SATA (default)
08 - 15	Hot-swap 2.5" NVMe (default)
16 - 23	Hot-swap 2.5" SATA/SAS (requires optional storage controller)

(Rear View – System)



Slot	Description
1	PCIe 5.0 x16 (FHFL)
2	Not used
3	PCIe 5.0 x16 (FHFL)
4	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 power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline; KVM with dedicated LAN; IPMI 2.0
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