

GPU A+ Server AS -8125GS-TNMR2

DP AMD 8U System with AMD MI300X



More details here

Key Applications

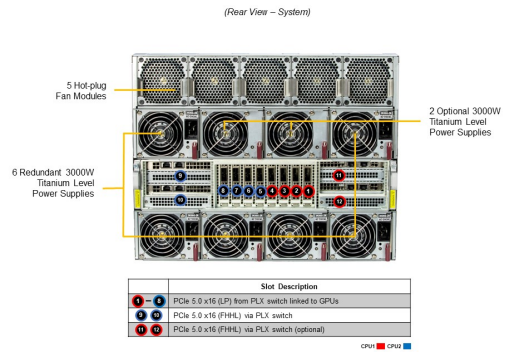
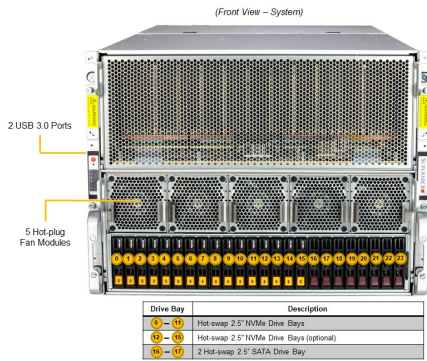
High Performance Computing, AI/Deep Learning Training, Industrial Automation, Retail, Climate and Weather Modeling,

Key Features

- 8 NIC for GPU direct RDMA (1:1 GPU Ratio)
High density 8U system with AMD Instinct MI300X 8-GPU;
- 24 DIMM Slots; Up to 6TB DRAM; 4800 ECC DDR5 LRDIMM; RDIMM;;
- 8 PCIe Gen 5.0 X16 LP, and up to 4 PCIe Gen 5.0 X16 FHFL Slots;
- Flexible networking options;
- 2x 2.5" Hot-swap SATA drive bays
1 M.2 NVMe for boot drive only
up to 16x 2.5" Hot-swap NVMe drive bays (12 by default + 4 optional);
- 10 heavy duty fans with optimal fan speed control;
- 6x 3000W redundant Titanium level power supplies;



Form Factor	8U Rackmount Enclosure: 437 x 355.6 x 843.28mm (17.2" x 14" x 33.2") Package: 698 x 750 x 1300mm (27.5" x 29.5" x 51.2")
Processor	Dual Socket SP5 AMD EPYC™ 9004 Series Processors
GPU	Max GPU Count: Up to 8 onboard GPU(s) Supported GPU: AMD: Instinct MI300X Accelerators CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: AMD Infinity Fabric™ Link
System Memory	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 18 bay(s) <ul style="list-style-type: none"> • 12 front hot-swap 2.5" NVMe drive bay(s) • 2 front hot-swap 2.5" SATA drive bay(s) • 4 front hot-swap 2.5" NVMe* drive bay(s) (*NVMe support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 NVMe slot(s) (M-key)
Expansion Slots	Default <ul style="list-style-type: none"> • 8 PCIe 5.0 x16 LP slot(s) • 2 PCIe 5.0 x16 FHFL slot(s) Option A <ul style="list-style-type: none"> • 8 PCIe 5.0 x16 LP slot(s) • 4 PCIe 5.0 x16 FHFL slot(s)
On-Board Devices	AMD SP5
Input / Output	1 VGA port(s)



System Cooling	Fans: N/A
Power Supply	6x 3000W 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 Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 225 lbs (102.1 kg) Net Weight: 166 lbs (75.3 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-OM
Chassis	CSE-GP801TS