

More details her

GPU A+ Server AS -8125GS-TNHR

DP AMD 8U System with NVIDIA HGX H100 8-GPU

Key Applications

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

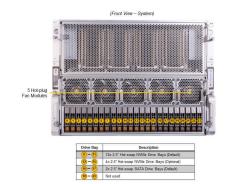
Key Features

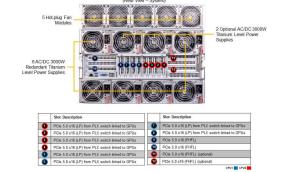
- High density 8U system with NVIDIA[®] HGX[™] H100 8-GPU
 Highest GPU communication using NVIDIA[®] NVLINK[™] + NVIDIA[®] NVSwitch[™]
 8 NIC for GPU direct RDMA (1:1 GPU Ratio);
- 24 DIMM Slots; Up to 6TB DRAM; 4800 ECC DDR5 LRDIMM;RDIMM;;
- 8 PCIe Gen 5.0 X16 LP, and up to 4 PCIe Gen 5.0 X16 FHFL Slots;
- 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;



8U Rackmount Enclosure: 437 x 355.6 x 843.28mm (17.2" x 14" x 33.2")
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")
Dual Socket SP5
AMD EPYC™ 9004 Series Processors
Up to 128C/256T
Max GPU Count: Up to 8 onboard GPU(s)
Supported GPU: NVIDIA SXM: HGX H100 8-GPU (80GB)
CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect
GPU-GPU Interconnect: NVIDIA® NVLink® with NVSwitch™
Slot Count: 24 DIMM slots
Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM/LRDIMM
Default: Total 18 bay(s)
 2 front hot-swap 2.5" SATA drive bay(s)
 4 front hot-swap 2.5" NVMe* drive bay(s)
 12 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: 1 M.2 NVMe slot(s) (M-key)
Default
 8 PCIe 5.0 x16 LP slot(s)
• 2 PCIe 5.0 x16 FHFL slot(s)
AMD SP5
1 VGA port(s)







System Cooling	Fans: 10 heavy duty fans with optimal fan speed control
Power Supply	6x 3000W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; TAS: Supermicro Thin-Agent Service (TAS); 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-O-CPU-D
Chassis	CSE-GP801TS