GPU A+ Server AS -4125GS-TNHR2-LCC

DP AMD 4U Liquid-Cooled System with NVIDIA HGX H100/H200 8-GPU (onsite service is required for liquid-cooling)

More details here

Key Applications

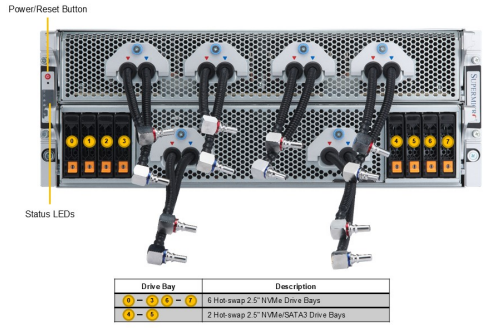
HPC, AI / Deep Learning, Deep Learning/AI/Machine Learning Development, Artificial Intelligence,

Key Features

- High density 4U system with NVIDIA® HGX™ H100/H200 8-GPU
  8x NVMe for NVIDIA GPUDirect Storage
  8x NIC for NVIDIA GPUDirect RDMA (1:1 GPU Ratio)
  Highest GPU communication using NVIDIA® NVLink®;
- Dual-Socket, AMD EPYC™ 9004/9005 Series Processors;
- Supports up to 24 DIMMs slots, 6000 MT/s 6TB DDR5 memory
  (Please check System Memory Section for detail);
- 8x PCIe 5.0 x16 LP slots
  2x PCIe 5.0 x16 FHHL slots, 2 PCIe 5.0 x16 FHHL slots (optional);
- Total of 4x 5250W (2+2) Redundant Titanium Level power supplies
  (Power supply full redundancy based on configuration and application load);

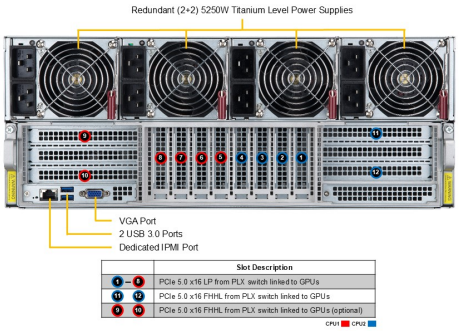
Form Factor	4U Rackmount Enclosure: 449 x 174 x 842mm (17.6" x 6.85" x 33.2") Package: 730 x 410 x 1280mm (28.7" x 16.14" x 50.39")
Processor	Dual processor(s) AMD EPYC™ 9004/9005 Series Processors (* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x) Up to 128C/256T
GPU	Max GPU Count: 8 onboard GPUs Supported GPU: NVIDIA SXM: HGX H100 8-GPU (80GB), HGX H200 8-GPU (141GB) CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink™ with NVSwitch™
System Memory	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 6TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)
Drive Bays Configuration	Default: Total 8 bays • 8 front hot-swap 2.5" NVMe drive bays M.2: 2 M.2 NVMe slots (M-key)
Expansion Slots	Default • 8 PCIe 5.0 x16 (in x16) LP slots • 2 PCIe 5.0 x16 (in x16) FHHL slots Option A* • 8 PCIe 5.0 x16 (in x16) LP slots • 4 PCIe 5.0 x16 (in x16) FHHL slots
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 Type-A ports (Rear) Video: 1 VGA port

(Front View – System)



Drive Bay	Description
0 – 3, 6 – 7	6 Hot-swap 2.5" NVMe Drive Bays
4 – 5	2 Hot-swap 2.5" NVMe/SATA3 Drive Bays

(Rear View – System)



Slot	Description
1 – 8	PCIe 5.0 x16 LP from PLX switch linked to GPUs
11 – 12	PCIe 5.0 x16 FHHL from PLX switch linked to GPUs
9 – 10	PCIe 5.0 x16 FHHL from PLX switch linked to GPUs (optional)

CPU1 CPU2

System Cooling	Fans: Up to 4x 8cm heavy duty fans with optimal fan speed control Liquid Cooling: Direct to Chip (D2C) Cold Plate (optional)
Power Supply	4x 5250W Redundant (2 + 2) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer® (SCC); 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: 7 +1 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory 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: 138.89 lbs (63 kg) Net Weight: 80.03 lbs (53 kg) Available Color: Silver
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 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-GP401TS-R000NP**