GPU SuperServer AS -A126GS-TNBR

DP AMD 10U System with NVIDIA HGX B200 8-GPU

More details here

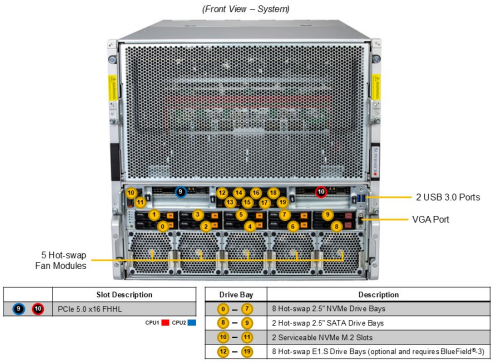
Key Applications

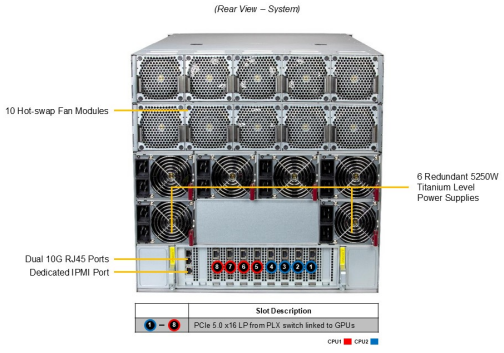
Scientific Research, High Performance Computing, AI/Deep Learning Training, Industrial Automation, Healthcare, Data center, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Climate and Weather Modeling, Finance & Economics,

Key Features

- Dual AMD EPYC™ 9005/9004 Series Processors;
- Total of 8 onboard SXM GPU accelerator cards (Air-cooled);
- Supports up to 24 DIMM slots, 6400 MT/s 6TB DDR5 memory (1DPC only) (Please check System Memory Section for detail);
- 8 PCIe 5.0 x16 LP + 2 PCIe 5.0 x16 FHHL slots
  Dual 10G NIC (X710), 1 VGA, 2 USB 3.0, and 1 Dedicated IPMI;
- 8 front hot-swap 2.5" NVMe + 2 hot-swap 2.5" SATA drive bays
  8 E1.S drive bays (optional- requires BF3)
  Dual Serviceable M.2 slots with RAID;
- Total of 6x 5250W (3+3)Titanium Level redundant power supplies (Power supply full redundancy based on configuration and application load);

Form Factor	10U Rackmount Enclosure: 449 x 438.8 x 843.28mm (17.6" x 17.2" x 33.2") Package: 730 x 710 x 1280mm (28.74" x 27.95" x 50.39")
Processor	Dual processor(s) AMD EPYC™ 9005/9004 Series Processors Up to 384C/768T
GPU	Max GPU Count: 8 onboard GPUs Supported GPU: NVIDIA SXM: HGX B200 8-GPU (180GB) 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/1 Channels Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor)
Drive Bays Configuration	Default: Total 10 bays • 8 front hot-swap 2.5" PCIe 5.0 x4 NVMe drive bays • 2 front hot-swap 2.5" SATA drive bays Option A: Total 8 bays • 8 front hot-swap E1.S NVMe* drive bays (*NVMe support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 NVMe slots (M-key)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 8 PCIe 5.0 x16 LP slots • 2 PCIe 5.0 x16 FHHL slots M.2: 2 M.2 NVMe slots (M-key 22110)
On-Board Devices	Chipset: System on Chip Network Connectivity: 2 RJ45 10GbE with Intel® X710
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 Type-A ports(Rear) Video: 1 VGA port TPM: 1 TPM header





System Cooling	Fans: Up to 19x 8cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud
Power Supply	6x 5250W Redundant (3 + 3) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB 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 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 Voltage: System temperature, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, CPU thermal trip support
Dimensions and Weight	Weight: Gross Weight: 341 lbs (155 kg) Net Weight: 293 lbs (133 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 H14DSG-OD**
Chassis	**CSE-GP1001TS-R000NPF**