GPU SuperServer AS -4126GS-NBR-LCC

DP AMD 4U Liquid-Cooled System with NVIDIA HGX B200 8-GPU (complete rack and onsite service are required)
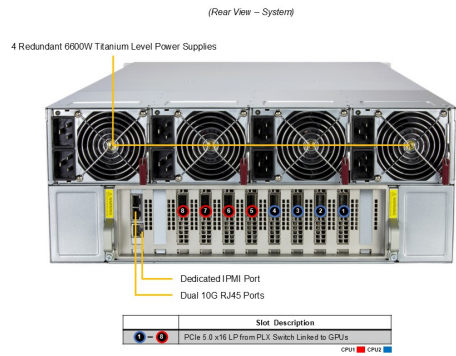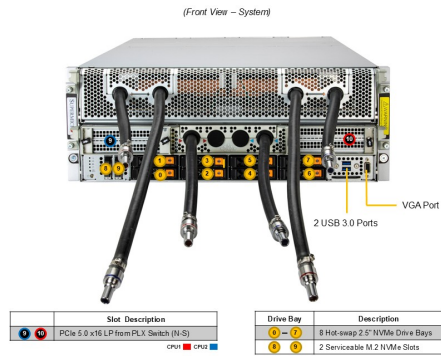
Key Applications

High Performance Computing, Engineering/scientific research, AI/Deep Learning Training, Industrial Automation, Healthcare, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Climate and Weather Modeling, Finance & Economics,

Key Features

- *Rack solution and onsite service required for purchase*;
- Dual processor(s) AMD EPYC™ 9005/9004 Series Processors up to 500W with Liquid Cooling;
- Supports up to 24 DIMM Slots, 6400 MT/s 6TB DDR5 memory (Please check System Memory Section for detail);
- Up to 8 PCIe 5.0 x16 LP + 2 PCIe 5.0 x16 FHHL slots;
- 2 RJ45 10GbE;
- Total of 8 front hot-swap 2.5" NVMe;
- Support of 8 onboard SXM GPU accelerator cards with Liquid Cooling;
- Total of 4x 6600W Redundant (2 + 2) Titanium Level power supplies (Power supply full redundancy based on configuration and application load);

Form Factor	4U Rackmount Enclosure: 449 x 174 x 895.35mm (17.6" x 6.85" x 35.25") Package: 1280 x 410 x 730mm (50.39" x 16.14" x 28.7")
Processor	Dual processor(s) AMD EPYC™ 9005/9004 Series Processors Up to 192C/384T; Up to 384MB Cache per CPU
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 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 8 bays • 8 front hot-swap 2.5" PCIe 5.0 x4 NVMe drive bays 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(default))
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

(Front View – System)

(Rear View – System)

4 Redundant 6600W Titanium Level Power Supplies

VGA Port

2 USB 3.0 Ports

Dedicated IPMI Port

Dual 10G RJ45 Ports

Slot	Description
9 — 10	PCIe 5.0 x16 LP from PLX Switch (N-S)
	CPU1 ▮ CPU2 ▮

Drive Bay	Description
0 — 7	8 Hot-swap 2.5" NVMe Drive Bays
8 — 9	2 Serviceable M.2 NVMe Slots

Slot	Description
1 — 8	PCIe 5.0 x16 LP from PLX Switch Linked to GPUs
	CPU1 ▮ CPU2 ▮

System Cooling	Fans: Up to 5x 6cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud Liquid Cooling: Direct to Chip (D2C) Cold Plate
Power Supply	4x 6600W Redundant (2 + 2) 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

Dimensions and Weight	Weight: Gross Weight: 236 lbs (107 kg) Net Weight: 203 lbs (92 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-GP403TS-R000NP**