

GPU SuperServer AS -4126GS-NMR-LCC

DP AMD 4U System with AMD Instinct MI325X 8 GPU and liquid cooling



Key Applications

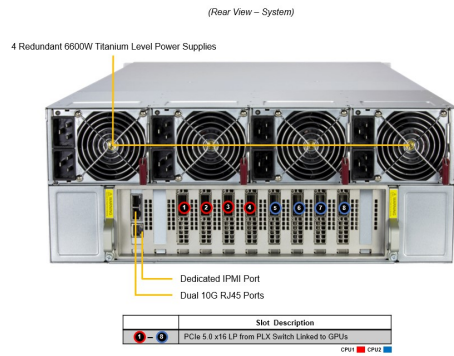
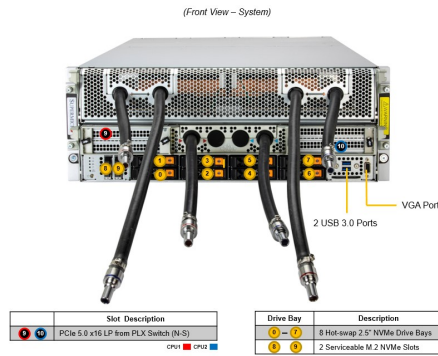
High Performance Computing, AI/Deep Learning Training, Industrial Automation, Retail, Healthcare, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Climate and Weather Modeling, Finance & Economics,

Key Features

- Dual processor(s) AMD EPYC™ 9005/9004 Series Processors up to 500W with Liquid Cooling;
- Support for up to 8 onboard :OAM GPU accelerator modules;
- Up to 24 DIMMs supporting up to 9TB DDR5-6400 in 1DPC;
- 2 RJ45 10GbE;
- Up to 8 PCIe 5.0 x16 LP + 2 PCIe 5.0 x16 FHHL slots;
- Up to 8 front hot-swap 2.5" NVMe drive bays;
- 4 Redundant 6600W Titanium Level power supplies;



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 384C/768T
GPU	Max GPU Count: Up to 8 onboard GPUs Supported GPU: AMD: Instinct™ MI325X 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 9TB 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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



System Cooling	Fans: 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 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: 140 lbs (63.5 kg) Net Weight: 80 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 H14DSG-OD
Chassis	CSE-GP403TS-R000NP2