GPU SuperServer AS -4126GS-NMR-LCC

DP AMD 4U Liquid-Cooled System with AMD Instinct™ MI355X 8-GPU (onsite service is required for liquid-cooling)

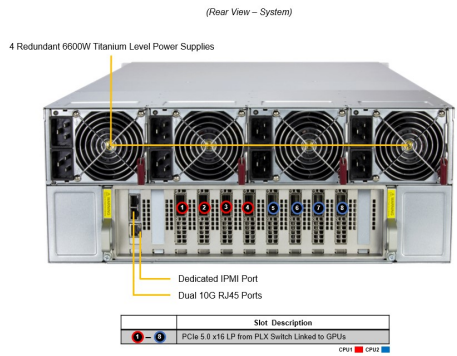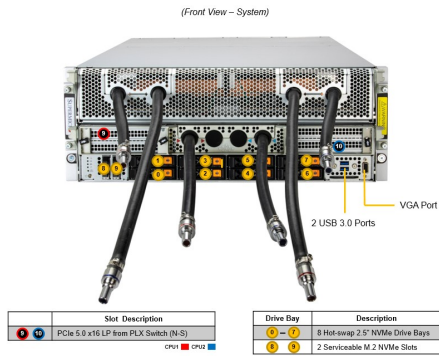More details here

Key Applications

High Performance Computing, AI/Deep Learning Training, Industrial Automation, 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;
- Supports up to 24 DIMMs slots, 6400 MT/s 6TB DDR5 in 1DPC (Please check System Memory Section for detail);
- Supports 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 drive bays;
- 8x MI325x or MI355x onboard OAM GPU accelerator modules;
- Total of 4 Redundant (2+2) 6600W 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: 730 x 410 x 1280mm (28.7" x 16.14" x 50.39")
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™ MI355X Accelerators, 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 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	System on Chip
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)

VGA Port
2 USB 3.0 Ports

4 Redundant 6600W Titanium Level Power Supplies
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: 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**