

GPU SuperServer AS -5126GS-TNRT2

DP AMD 5U System with 10 PCIe GPUs via PLX switch



More details here

Key Applications

AI / Deep Learning, 3D Rendering Farm, Visualization / Simulation, High Performance Computing, Multimedia/Digital Content creation,

Key Features

- Dual processor(s) AMD EPYC™ 9005 Series Processors up to 500W with air cooling;
- Support for up to 10 double-width PCIe GPU accelerator cards;
- Up to 24 DIMMs supporting up to 9TB DDR5-6000 in 1DPC;
- Flexible networking with AIOM support;
- Up to 13 PCIe 5.0 x16 FHFL slots;
- Up to 2 front hot-swap 2.5" SATA + 8 front hot-swap 2.5" NVMe drive bays;



Form Factor

5U Rackmount
 Enclosure: 437 x 222.5 x 737mm (17.2" x 8.75" x 29")
 Package: 720 x 440 x 1080mm (28.34" x 17.32" x 42.51")

Processor

Dual processor(s)
 AMD EPYC™ 9005/9004 Series Processors
 Up to 192C/384T

GPU

Max GPU Count: Up to 10 double-width GPUs
 Supported GPU: NVIDIA PCIe: H100 NVL, H200 NVL (141GB), L40S
 CPU-GPU Interconnect: PCIe 5.0 x16 Switch Dual-Root
 GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional), AMD Infinity Fabric™ Link (optional)

System Memory

Slot Count: 24 DIMM slots
 Max Memory (1DPC): Up to 9TB 6000MT/s ECC DDR5 RDIMM

Drive Bays Configuration

Default: Total 10 bays
 • 2 front hot-swap 2.5" SATA drive bays
 • 8 front hot-swap 2.5" NVMe drive bays
 M.2: 1 M.2 PCIe 3.0 x4 NVMe slot (M-key)

Expansion Slots

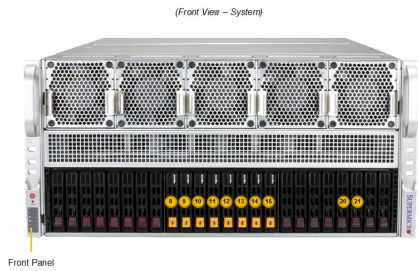
Default
 • 11 PCIe 5.0 x16 FHFL slots
 Option A
 • 13 PCIe 5.0 x16 FHFL slots

On-Board Devices

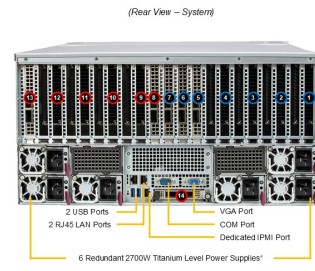
SATA: SATA (6Gbps)
 Chipset: System on Chip
 Network Connectivity: 2 RJ45 10GbE

Input / Output

LAN: 1 RJ45 1 GbE Dedicated BMC LAN port
 2 RJ45 10 GBASE-T LAN ports
 USB: 2 ports(rear)
 Video: 1 VGA port



Drive Bay	Description
1 - 8	8 Hot-swap 2.5" NVMe Drive Bays
9 - 10	2 Hot-swap 2.5" SATA Drive Bays



Slot	Slot Description
1 - 8	PCIe 5.0 x16 FHFL
9	PCIe 5.0 x16 A1OM (DCP 3.0)

*Full redundancy based on configuration and application load.

System Cooling	Fans: 10 heavy duty fans with optimal fan speed control
Power Supply	6x 2700W 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); 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 7 +1 Phase-switching voltage regulator 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: 100 lbs (45.3 kg) Net Weight: 65.5 lbs (29.7 kg) Available Color: Black Front & Silver Body
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 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-O-CPU
Chassis	CSE-528G2TS-R000NDP