Hyper SuperServer AS -2126HS-TN
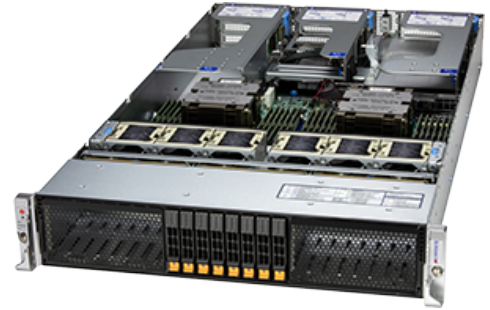
2U Hyper with up to 24 hot-swap 2.5" NVMe/SAS/SATA bays and 4 PCIe 5.0 x16 slots + 1 PCIe 5.0 x16 AIOM slot

More details here

Key Applications

Virtualization, Software-defined Storage, AI Inference and Machine Learning,
Cloud Computing, Enterprise Server, High Performance Computing (HPC),

Key Features

- Dual AMD EPYC™ 9005/9004 Series Processors;
- Support up to DDR5 24 DIMM slots (1DPC), speed up to 6400MT/s
  (Please check System Memory Section for detail);
- Optional PCIe slot configurations up to 8 PCIe 5.0 x8 or 4 PCIe 5.0 x16 slots
  or mix and match;
- Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0
  compatible);
- Up to 24 front hot-swap 2.5" NVMe/SATA drive bays
  2 M.2 PCIe 3.0 NVMe slots;
- Capabilities for GPU and CXL 2.0 support;

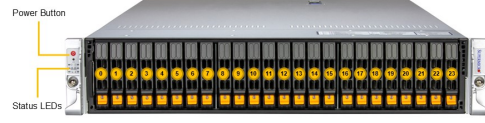|	
Form Factor	2U Rackmount Enclosure: 437 x 88.9 x 806.2mm (17.2" x 3.5" x 31.74") Package: 672 x 253 x 1100mm (26.46" x 9.96" x 43.31")
Processor	Dual processor(s) AMD EPYC™ 9005/9004 Series Processors Up to 384C/768T
GPU	Max GPU Count: Up to 3 double-width GPUs Supported GPU: NVIDIA PCIe: H100 NVL GPU-GPU Interconnect: PCIe
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" NVMe*/SATA* drive bays
	Option A: Total 24 bays
	  • 24 front hot-swap 2.5" NVMe*/SATA* drive bays
	(*NVMe/SATA support may require additional storage controller and/or cables, please see the optional parts list for details)
	M.2: 2 M.2 PCIe 3.0 x4 NVMe slots (M-key 2280/22110)

Expansion Slots	PCI-Express (PCIe) Configuration: Option A*
	  • 4 PCIe 5.0 x16 FHFL double-width slots
	  • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
	Option B*
	  • 8 PCIe 5.0 x8 (in x16) FHFL slots
	  • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
	CXL Support: Up to 4 CXL 2.0 x16 devices

On-Board Devices	Chipset: System on Chip Network Connectivity: Via AIOM IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) Video: 1 VGA port TPM: 1 TPM Onboard/port 80

(Front View – System)

Power Button

Status LEDs

Drive Bay	Description
0 — 7	8 Hot-swap 2.5" NVMe/SATA* Drive Bays

*NVMe/SATA support requires additional parts from the optional parts list

(Front View – System)
Optional Configuration

Power Button

Status LEDs

Drive Bay	Description
0 — 23	24 Hot-swap 2.5" NVMe/SATA* Drive Bays

*NVMe/SATA support requires additional parts from the optional parts list

System Cooling	Fans: 6 counter-rotating 60x60x56mm Fan(s) Air Shroud: 2 Air Shrouds
Power Supply	2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies

System BIOS	BIOS Type: AMI 64MB SPI Flash EEPROM
	BIOS Features: Plug and Play (PnP)
	                  UEFI 2.8
	                  USB Keyboard support
	                  ACPI 6.5
	                  SMBIOS 3.7 or later

Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); KVM with dedicated LAN ; IPMI 2.0; Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!; IPMIView

PC Health Monitoring	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: 75 lbs (34 kg) Net Weight: 45 lbs (20.5 kg) Available Color: Silver
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	**Super H14DSH**
Chassis	**CSE-HS201-R000NFP**