

# Hyper SuperServer AS -1126HS-TN

1U Hyper with up to 12 hot-swap 2.5" NVMe/SAS/SATA bays and 3 PCIe 5.0 x16 slots + 1 PCIe 5.0 x16 AIOM slot



## 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);
- 2 PCIe 5.0 x16 FHFL slots  
1 PCIe 5.0 x16 FHHL slot;
- Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible);
- 8 Hot-swap 2.5" NVMe/SATA drive bays  
Optional 4 Hot-swap 2.5" NVMe/SATA drive support via additional parts  
2 M.2 PCIe 3.0 NVMe slots;
- Dual 1600W / 2000W / 2600W Redundant Titanium Level power supplies (Power supply full redundancy based on configuration and application load);



<b>Form Factor</b>	1U Rackmount Enclosure: 437 x 43 x 778.7mm (17.2" x 1.7" x 30.66") Package: 672 x 224 x 1100mm (26.46" x 8.82" x 43.31")
<b>Processor</b>	Dual processor(s) AMD EPYC™ 9005/9004 Series Processors Up to 384C/768T
<b>System Memory</b>	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)
<b>Drive Bays Configuration</b>	Default: Total 8 bays <ul style="list-style-type: none"> <li>• 8 front hot-swap 2.5" NVMe*/SATA* drive bays</li> </ul> Option A: Total 12 bays <ul style="list-style-type: none"> <li>• 12 front hot-swap 2.5" NVMe*/SATA* drive bays</li> </ul> (*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)
<b>Expansion Slots</b>	PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> <li>• 1 PCIe 5.0 x16 FHHL slot</li> <li>• 2 PCIe 5.0 x16 FHFL slots</li> <li>• 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)</li> </ul> CXL Support: Up to 4 CXL 2.0 x16 devices
<b>On-Board Devices</b>	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
<b>Input / Output</b>	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) 1 USB 3.0 port(front) Video: 1 VGA port TPM: 1 TPM Onboard/port 80

(Front View – System)



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



Drive Bay	Description
0 - 11	12 Hot-swap 2.5" NVMe/SATA* Drive Bays

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

System Cooling	Fans: Up to 8 counter-rotating 40x40x56mm Fan(s) Air Shroud: 2 Air Shrouds
Power Supply	2x 1600W 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® (SCC); 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 Pulse Width Modulated (PWM) fan connectors Status monitor for speed control 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: 41.4 lbs (18.8 kg) Net Weight: 19.2 lbs (8.7 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	<a href="#"><b>Super H14DSH</b></a>
Chassis	<b>CSE-HS101-R000NFP</b>