

# 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);



|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | 1U Rackmount<br>Enclosure: 437 x 43 x 778.7mm (17.2" x 1.7" x 30.66")<br>Package: 672 x 224 x 1100mm (26.46" x 8.82" x 43.31")                                                                                                                                                                                                                                                                                                        |
| Processor                | Dual processor(s)<br>AMD EPYC™ 9005/9004 Series Processors<br>Up to 384C/768T                                                                                                                                                                                                                                                                                                                                                         |
| System Memory            | Slot Count: 24 DIMM slots<br>Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)<br>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"> <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)<br>M.2: 2 M.2 PCIe 3.0 x4 NVMe slots (M-key 2280/22110) |
| Expansion Slots          | 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                                                                                                                                                                         |
| On-Board Devices         | Chipset: System on Chip<br>Network Connectivity: Via AIOM<br>IPMI: Support for Intelligent Platform Management Interface v.2.0<br>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support                                                                                                                                                                                                                                       |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>USB: 2 USB 3.0 ports(rear)<br>1 USB 3.0 port(front)<br>Video: 1 VGA port<br>TPM: 1 TPM Onboard/port 80                                                                                                                                                                                                                                                                                    |



| Drive Bay                            | Description |
|--------------------------------------|-------------|
| 8 Hot-swap 2.5" NVMe/SATA Drive Bays |             |

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



| Drive Bay                             | Description |
|---------------------------------------|-------------|
| 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)<br>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<br>BIOS Features: Plug and Play (PnP)<br>UEFI 2.8<br>USB Keyboard support<br>ACPI 6.5<br>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<br>Pulse Width Modulated (PWM) fan connectors<br>Status monitor for speed control<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors<br>Voltage:<br>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)<br>Net Weight: 19.2 lbs (8.7 kg)<br>Available Color: Silver                                                                                                                                                                                                                                                                  |
| Operating Environment | Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)                                                                                                                             |
| Motherboard           | <a href="#">Super H14DSH</a>                                                                                                                                                                                                                                                                                                                                          |
| Chassis               | CSE-HS101-R000NFP                                                                                                                                                                                                                                                                                                                                                     |