

Hyper SuperServer SYS-122H-TN

1U Hyper with 8 hot-swap 2.5" NVMe/SAS/SATA bays and 3 PCIe 5.0 x16 + 1 PCIe 5.0 x16 AIOM slot



More details here

Key Applications

Virtualization, Software-defined Storage, High Performance Computing, Cloud Computing, Enterprise Server,

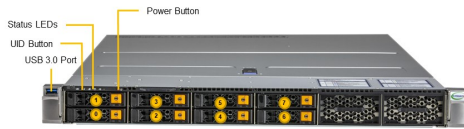
Key Features

- Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores;
- 32 DIMM slots supporting up to 8TB of memory;
- 3 PCIe 5.0 x16 slots with support for Network/Storage/GPU/Accelerator cards;
- Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible);
- 8x 2.5" hot-swap NVMe/SATA/SAS drive bays; Optional 4x 2.5" hot-swap NVMe/SAS/SATA drive bays; 2x internal M.2 NVMe drive slots; Optional RAID support via storage add-on card;



Form Factor	<p>1U Rackmount</p> <p>Enclosure: 438.4 x 43.6 x 743.38mm (17.3" x 1.71" x 29.27")</p> <p>Package: 604.8 x 203 x 950mm (23.81" x 7.99" x 37.4")</p>
Processor	<p>Dual Socket E2 (LGA-4710)</p> <p>Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores</p> <p>P-cores: Up to 86C/172T; Up to 336MB Cache per CPU</p> <p>E-cores: Up to 144C/144T; Up to 108MB Cache per CPU</p>
GPU	<p>Max GPU Count: Up to 1 double-width or 3 single-width GPUs</p> <p>Supported GPU:</p> <p>NVIDIA PCIe: A1000, L4, NVIDIA RTX PRO™ 4500 Blackwell Server Edition, RTX 2000 Ada, RTX 4000 Ada Generation</p>
System Memory	<p>Slot Count: 32 DIMM slots</p> <p>Max Memory (1DPC): Up to 4TB 6400MT/s ECC DDR5 RDIMM</p> <p>Max Memory (1DPC): Up to 1TB 8000MT/s ECC DDR5 MRDIMM (P-core only)</p> <p>Max Memory (2DPC): Up to 8TB 5200MT/s ECC DDR5 RDIMM</p>
Drive Bays Configuration	<p>Default: Total 8 bays</p> <ul style="list-style-type: none"> • 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays <p>Option A: Total 12 bays</p> <ul style="list-style-type: none"> • 12 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays <p>(*NVMe/SAS/SATA support may require additional storage controller and/or cables, please see the optional parts list for details)</p> <p>M.2: 2 M.2 PCIe 5.0 x2 NVMe slots (M-key 2280/22110)</p>
Expansion Slots	<p>Default</p> <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 FHHL slot • 2 PCIe 5.0 x16 FH/10.5"L slots • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	<p>NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required)</p> <p>Network Connectivity: Via AIOM</p>
Input / Output	<p>LAN: 1 RJ45 1 GbE Dedicated BMC LAN port</p> <p>USB: 2 USB 3.0 ports(rear)</p> <p>1 USB 3.0 port(front)</p> <p>Video: 1 VGA port</p>

(Front View – System)



Drive Bay	Description
1 - 2	4 Hot-swap 2.5" NVMe/SAS3/SATA3 Drive Bays (NVMe from CPU1)
3 - 4	4 Hot-swap 2.5" NVMe/SAS3/SATA3 Drive Bays (NVMe from CPU2)

*NVMe, SAS3, or SATA3 support requires additional parts in optional parts list

(Rear View – System)



Slot	Slot Description
1	PCIe 5.0 x16 FH, 6.6" L
2	PCIe 5.0 x16 FH, 10.5" L
3	AOM OCP 3.0 Compatible

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System Cooling	Fans: Up to 8 counter-rotating 40x40x56mm Fan(s) Air Shroud: 2 Air Shrouds Liquid Cooling: Direct to Chip (D2C) Cold Plate (optional)
Power Supply	2x 1200W Redundant (1 + 1) Titanium Level (96%) Hot-plug power supplies
System BIOS	BIOS Type: AMI 64MB SPI Flash
Management	SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); 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 Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 41 lbs (18.6 kg) Net Weight: 18.7 lbs (8.5 kg) Available Color: Silver
Operating Environment	Name: A2 Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -30°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 80% (max 21° DP; non-condensing) Non-operating Relative Humidity: 8% to 90% (max 38° DP; non-condensing)
Motherboard	Super X14DBM-SP
Chassis	CSE-HS119-R000NP2