

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,

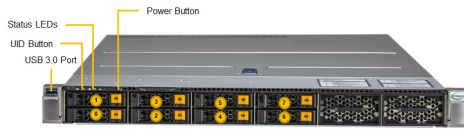
Key Features

- Dual Intel® Xeon® 6 6700 series processors with E-cores;
- 32 DIMM slots supporting up to 2TB 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	1U Rackmount Enclosure: 438.4 x 43.6 x 743.38mm (17.3" x 1.71" x 29.27") Package: 605 x 203 x 950mm (23.82" x 7.99" x 27.4")
Processor	Dual Socket E2 (LGA-4710) Intel® Xeon® 6 6700 series processors with E-cores Up to 144C/144T; Up to 108MB Cache per CPU
GPU	Max GPU Count: Up to 1 double-width or 3 single-width GPU(s) CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
System Memory	Slot Count: 32 DIMM slots Max Memory (1DPC): Up to 2TB 6400MT/s ECC DDR5 RDIMM Max Memory (2DPC): Up to 2TB 5200MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 8 bay(s) <ul style="list-style-type: none"> • 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bay(s) Option A: Total 12 bay(s) <ul style="list-style-type: none"> • 12 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bay(s) (*NVMe/SAS/SATA support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 PCIe 5.0 x2 NVMe slot(s) (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 FHHL slot(s) • 2 PCIe 5.0 x16 FH/10.5"L slot(s) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)
On-Board Devices	NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required) Chipset: System on Chip Network Connectivity: Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port(s) USB: 2 USB 3.0 port(s) (rear) 1 USB 3.0 port(s) (front) Video: 1 VGA port(s)

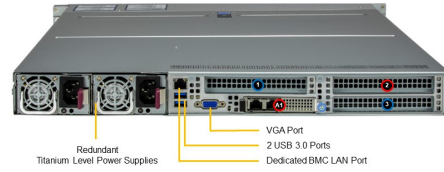
(Front View – System)



Drive Bay	Description
1 - 4	4 Hot-swap 2.5" NVMe/SAS/SATA3 Drive Bays (NVMe from CPU1)
5 - 8	4 Hot-swap 2.5" NVMe/SAS/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	AIOM OCP 3.0 Compatible

System Cooling	Fans: 8 counter-rotating 40x40x56mm Fan(s) Liquid Cooling: Direct to Chip (D2C) Cold Plate (optional)
Power Supply	2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB SPI Flash
Management	SuperCloud Composer; 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 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: 41 lbs (18.6 kg) Net Weight: 18.7 lbs (8.5 kg) Available Color: Silver
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 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 X14DBM-SP
Chassis	CSE-HS119-R000NP2