

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,

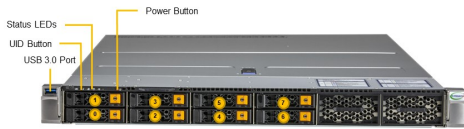
Key Features

- 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;



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|---------------------------------|--|
| 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: 605 x 203 x 950mm (23.82" x 7.99" x 27.4")</p> |
| Processor | <p>Dual Socket E2 (LGA-4710)</p> <p>Intel® Xeon® 6 6700 series processors with E-cores</p> <p>Up to 144C/144T; Up to 108MB Cache per CPU</p> |
| GPU | <p>Up to 1 double-width or 3 single-width GPU(s)</p> |
| System Memory | <p>Slot Count: 32 DIMM slots</p> <p>Max Memory (1DPC): Up to 2TB 6400MT/s ECC DDR5 RDIMM</p> <p>Max Memory (2DPC): Up to 2TB 5200MT/s ECC DDR5 RDIMM</p> |
| Drive Bays Configuration | <p>Default: Total 8 bay(s)</p> <ul style="list-style-type: none"> • 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bay(s) <p>Option A: Total 12 bay(s)</p> <ul style="list-style-type: none"> • 12 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bay(s) <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 slot(s) (M-key 2280/22110)</p> |
| Expansion Slots | <p>Default</p> <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 | <p>NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required)</p> <p>Chipset: System on Chip</p> <p>Network Connectivity: Via AIOM</p> |
| Input / Output | <p>LAN: 1 RJ45 1 GbE Dedicated BMC LAN port(s)</p> <p>USB: 2 USB 3.0 port(s) (rear)</p> <p>1 USB 3.0 port(s) (front)</p> <p>Video: 1 VGA port(s)</p> |

(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 |

crucial | crucial

| | |
|-----------------------|--|
| 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 |