

Hyper SuperServer SYS-121H-TNR

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, AI Inference and Machine Learning, Cloud Computing, Enterprise Server,

Key Features

- Dual Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors;
- 32 DIMM slots supporting up to 8TB of memory; RDIMMs up to DDR5-5600;
- 3 PCIe 5.0 x16 slots with support for 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/SATA/SATA drive bays; 2x internal M.2 NVMe/SATA drive slots; Optional RAID support via storage add-on card;
- 8 heavy duty hot-swap fans with optimal fan speed control;



Form Factor

1U Rackmount
Enclosure: 437 x 43 x 747mm (17.2" x 1.7" x 29.4")
Package: 605 x 206 x 1032mm (23.8" x 8.1" x 40.6")

Processor

Dual Socket E (LGA-4677)
5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors
Supports Intel Xeon CPU Max Series with high bandwidth memory (HBM)
Up to 64C/128T; Up to 320MB Cache per CPU

GPU

Max GPU Count: Up to 1 double-width or 3 single-width GPUs
Supported GPU: NVIDIA PCIe: H100, L4, L40S, RTX A4000, RTX A5000

System Memory

Slot Count: 32 DIMM slots
Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM
Max Memory (2DPC): Up to 8TB 4400MT/s ECC DDR5 RDIMM

Kreski
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Drive Bays Configuration

Default: Total 8 bays

- 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays

 Option A: Total 12 bays

- 12 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays

 (*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 NVMe/SATA slots (M-key 2280/22110)

Expansion Slots

PCI-Express (PCIe) Configuration: Default

- 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)

 M.2: 2 M.2 NVMe/SATA slots (B+M-key 2280/22110)

On-Board Devices

SATA: SATA (6Gbps) ; RAID 0/1/5/10 support
 NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required)
 Chipset: Intel® C741
 Network Connectivity: Via AIOM

Input / Output

LAN: 1 RJ45 1 GbE Dedicated BMC LAN port
 USB: 2 USB 2.0 ports(rear)
 1 USB 3.0 port(front)
 Video: 1 VGA port

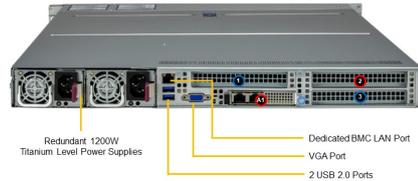
(Front View – System)



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

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

(Rear View – System)



Slot	Description
A1	AIOM / OCP 3.0 IBC slot
1	PCIe 5.0 x16 slot (FH, 6.6'L)
2	PCIe 5.0 x16 slot (FH, 10.5'L)
3	PCIe 5.0 x16 slot (FH, 10.5'L)

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 Titanium Level (96%) Hot-plug power supplies

System BIOS

BIOS Type: AMI 64MB SPI Flash

Management

SuperCloud Composer®, Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); 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: 49 lbs (22.2 kg)
 Net Weight: 34 lbs (15.4 kg)
 Available Color: N/A



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 X13DEM](#)

Chassis

CSE-HS119-R1K24P2



Najlepsze technologie dla firm

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