Hyper SuperServer SYS-222HA-TN

2U Hyper with 8 hot-swap 2.5" NVMe/SAS/SATA bays and 4 PCIe 5.0 x16 slots + up to 2 PCIe 5.0 x16 AIOM slots

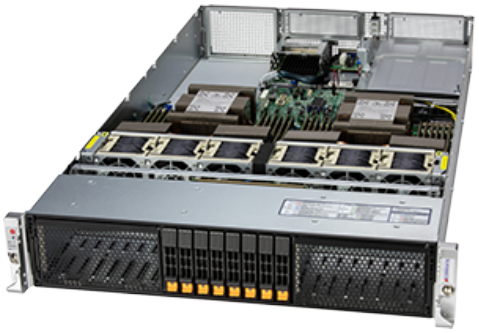
More details here

Key Applications

Virtualization, Artificial Intelligence, Data Analytics, High Performance Computing (HPC),

Key Features

- Dual Intel® Xeon® 6900-Series Processors with P-cores and Xeon 6+ processors up to 500W;
- Up to 24 DIMMs supporting up to 6TB 6400MT/s DDR5 RDIMM or 6TB 8800MT/s DDR5 MRDIMM;
- Optional PCIe slot configurations up to 8 PCIe 5.0 x8 or 4 PCIe 5.0 x16 slots with support for double-width GPU/Accelerator cards;
- Flexible networking options with up to 2 AIOM networking slots (OCP NIC 3.0 compatible);
- 8x 2.5" hot-swap NVMe/SATA/SAS drive bays with optional configurations for 16x/24x 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	2U Rackmount Enclosure: 437 x 88.9 x 806.2mm (17.2" x 3.5" x 31.74") Package: 672 x 253 x 1100mm (26.46" x 9.96" x 43.31")
Processor	Dual Socket BR (LGA-7529) Intel® Xeon® 6900 Series processors with P-cores and Intel Xeon 6+ processors P-cores: Up to 128C/256T; Up to 504MB Cache per CPU E-cores: Up to 288C/288T; Up to 576MB Cache per CPU
GPU	Max GPU Count: Up to 4 double-width or 8 single-width GPUs Supported GPU: NVIDIA PCIe: H100 NVL, A16, L4, L40S, NVIDIA RTX PRO™ 4500 Blackwell, NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition, RTX 5000 Ada CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect
System Memory	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 6TB 8800MT/s ECC DDR5 MRDIMM (P-core only) Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM (P-core) Max Memory (1DPC): Up to 3TB 8000MT/s ECC DDR5 RDIMM (E-core)
Drive Bays Configuration	Default: Total 8 bays • 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays Option A: Total 16 bays • 16 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays Option B: Total 24 bays • 24 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 PCIe 5.0 x2 NVMe slots (M-key 2280/22110)
Expansion Slots	PCI-Express (PCIe) Configuration: Option A* • 4 PCIe 5.0 x16 FH/10.5"L double-width slots • 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible) Option B* • 8 PCIe 5.0 x8 (in x16) FH/10.5"L slots • 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible) CXL Support: Up to 4 CXL 2.0 x16/x8 devices
On-Board Devices	NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required)

Network Connectivity: Via AIOM

Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.2 Gen1 ports (Rear) Video: 1 VGA port

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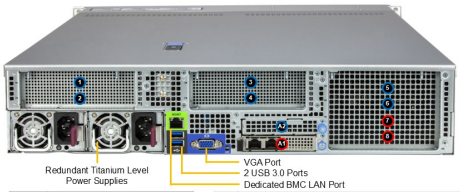
(Front View – System)



Drive Bay	Description
0 – 7	8 Hot-swap 2.5" NVMe/SAS3/SATA3 Drive Bays (NVMe from CPU1)[1]

[1]NVMe, SAS3, and SATA3 support requires additional parts from the optional parts list

(Rear View – System)



	Slot Description	
	Option 1[1]	Option 2[1]
1 3	PCIe 5.0 x8 (in x16)	PCIe 5.0 x16
2 4	PCIe 5.0 x8 (in x16)	---

	Slot Description		
	Option 1[1]	Option 2[1]	Option 3[1]
5	PCIe 5.0 x8 (in x16)	PCIe 5.0 x16	PCIe 5.0 x16
6	PCIe 5.0 x8 (in x16)	---	---
7	PCIe 5.0 x8 (in x16)[2]	PCIe 5.0 x8 (in x16)[2]	PCIe 5.0 x16[2]
8	PCIe 5.0 x8 (in x16)[2]	PCIe 5.0 x8 (in x16)[2]	---

	Slot Description
AM	AIOM/OCP NIC 3.0 Slot
AS	AIOM/OCP NIC 3.0 Slot (optional)[1]

[1] Requires additional parts from optional parts list
[2] Not available in 16 and 24 NVMe drive bay configurations

CPU1 CPU2

System Cooling	Fans: Up to 6 counter-rotating 60x60x56mm Fan(s) Air Shroud: 2 Air Shrouds Liquid Cooling: Direct to Chip (D2C) Cold Plate (optional)
Power Supply	2x 2600W 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: 75 lbs (34 kg) Net Weight: 45 lbs (20.5 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-AP**
Chassis	**CSE-HS201-R000NFP**

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