

Hyper SuperServer SYS-122HA-TN-LCC

1U Hyper with 8 hot-swap 2.5" NVMe bays and 2 PCIe 5.0 x16 + 1 PCIe 5.0 x16 AIOM slot

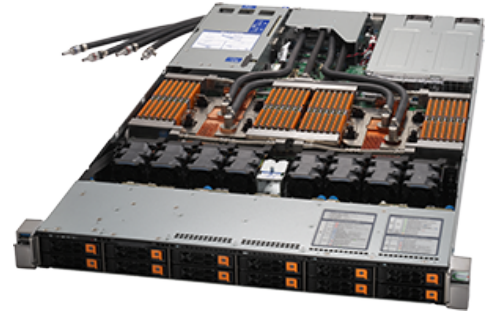


Key Applications

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

Key Features

- Dual Intel® Xeon® 6900-Series Processors with P-cores up to 500W with D2C liquid cooling;
- Up to 24 DIMMs supporting up to 6TB 6400MT/s DDR5 RDIMM or 3TB 8800MT/s DDR5 MRDIMM;
- 8 2.5" hot-swap NVMe drive bays; Optional 4 2.5" hot-swap NVMe drive bays;
- 2 PCIe 5.0 x16 slots (full-height, 10.5" length);
- 1 AIOM/OCP 3.0 NIC slot for flexible networking options;
- Redundant titanium level power supplies with options from 1600W to 2600W;
- 1U Rackmount chassis with 30.66" (778.7mm) depth;



Form Factor	<p>1U Rackmount</p> <p>Enclosure: 437 x 43 x 778.7mm (17.2" x 1.7" x 30.66")</p> <p>Package: 672 x 224 x 1100mm (26.46" x 8.82" x 43.31")</p>
Processor	<p>Dual Socket BR (LGA-7529)</p> <p>Intel® Xeon® 6900 series processors with P-cores</p> <p>Up to 128C/256T; Up to 504MB Cache per CPU</p>
System Memory	<p>Slot Count: 24 DIMM slots</p> <p>Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM</p> <p>Max Memory (1DPC): Up to 3TB 8800MT/s ECC DDR5 MRDIMM</p>
Drive Bays Configuration	<p>Default: Total 8 bays</p> <ul style="list-style-type: none"> • 8 front hot-swap 2.5" NVMe drive bays <p>Option A: Total 12 bays</p> <ul style="list-style-type: none"> • 12 front hot-swap 2.5" NVMe drive bays <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"> • 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>Chipset: System on Chip</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>

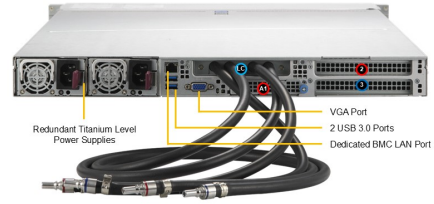
(Front View – System)



Drive Bay	Description
1 – 6	6 Hot-swap 2.5" NVMe/SAS/SATA3 Drive Bays (NVMe from CPU1)
7 – 8	2 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 Description	
1	PCIe 5.0 x16 Slot (FH, 10.5")
2	PCIe 5.0 x16 Slot (FH, 10.5")
3	AQM/QCP 3.0 NIC Slot
4	Liquid Cooling Tubes

CPU1 CPU2 Liquid Cooling

System Cooling	Fans: 8 counter-rotating 40x40x56mm Fan(s) Liquid Cooling: Direct to Chip (D2C) Cold Plate
Power Supply	2x 1600W 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: 41.4 lbs (18.8 kg) Net Weight: 19.2 lbs (8.7 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-APL
Chassis	CSE-HS101-R000NFP