Hyper SuperServer SYS-122HA-TN-LCC

1U Hyper with 12 hot-swap 2.5" NVMe bays and 2 PCIe 5.0 x16 + 1 PCIe 5.0 x16 AIOM slot

More details here

Key Applications

Virtualization, High Performance Computing, Artificial Intelligence, Data Analytics,



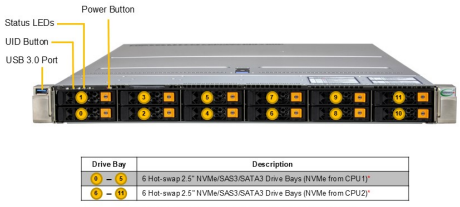
Key Features

- Dual Intel® Xeon® 6900-Series Processors with P-cores and Xeon 6+ processors up to 500W with D2C liquid cooling;
- Up to 24 DIMMs supporting up to 6TB 6400MT/s DDR5 RDIMM or 6TB 8800MT/s DDR5 MRDIMM with P-cores, Or up to 3TB 8000MT/s ECC DDR5 RDIMM with E-cores;
- 12 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	1U Rackmount Enclosure: 437 x 43 x 778.7mm (17.2" x 1.7" x 30.66") Package: 672 x 224 x 1100mm (26.46" x 8.82" 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
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 12 bays • 12 front hot-swap 2.5" NVMe drive bays M.2: 2 M.2 PCIe 5.0 x2 NVMe slots (M-key 2280/22110)
Expansion Slots	Default • 2 PCIe 5.0 x16 FH/10.5"L slots • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
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 3.0 ports(rear) 1 USB 3.0 port(front) Video: 1 VGA port

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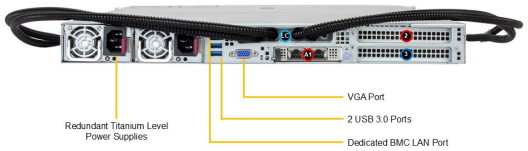
(Front View – System)



Drive Bay	Description
0 – 5	6 Hot-swap 2.5" NVMe/SAS3/SATA3 Drive Bays (NVMe from CPU1)*
6 – 11	6 Hot-swap 2.5" NVMe/SAS3/SATA3 Drive Bays (NVMe from CPU2)*

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

(Rear View – System)



	Slot Description
2	PCIe 5.0 x16 FH/10.5"L
3	PCIe 5.0 x16 FH/10.5"L
AM	PCIe 5.0 x16 AIOM (OCP 3.0)
LC	Liquid Cooling Tubes

CPU1 CPU2 Liquid Cooling

System Cooling	Fans: Up to 8 counter-rotating 40x40x56mm Fan(s) Liquid Cooling: Direct to Chip (D2C) Cold Plate
Power Supply	2x 1600W Redundant (1 + 1) Titanium Level (96%) Hot-plug 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 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: 41.4 lbs (18.8 kg) Net Weight: 19.2 lbs (8.7 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-APL**
Chassis	**CSE-HS101-R000NFP**

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