

Hyper SuperServer SYS-220H-TN24R



More details here

Key Applications

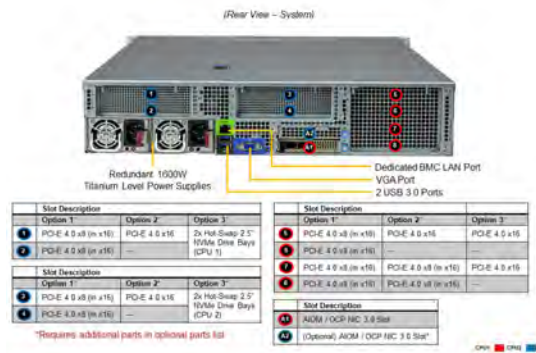
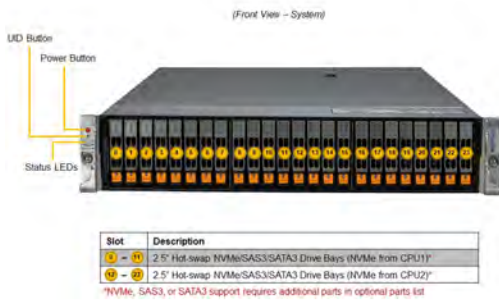
Virtualization, Software-defined Storage, AI Inference and Machine Learning, Cloud Computing, Enterprise Server,

Key Features

- Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processors;
- 32 DIMM Slots; Up to 8TB DRAM; Up to 8TB Intel® Optane™ Persistent Memory (up to 12TB with DRAM); 3200/2933/2666 ECC DDR4 LRDIMM; RDIMM; Intel® Optane™ Persistent Memory 200 series;
- Optional PCIe slot configurations up to 8 PCIe 4.0 x8 or 4 PCIe 4.0 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);
- 24x 2.5" hot-swap NVMe/SATA/SAS drive bays; 2x internal M.2 NVMe/SATA drive slots; Optional RAID support via storage add-on card;
- 4 heavy duty hot-swap fans with optimal fan speed control;



Form Factor	2U Rackmount Enclosure: 437 x 88.9 x 760mm (17.2" x 3.5" x 29.9") Package: 605 x 263 x 1107mm (23.8" x 10.4" x 43.6")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
System Memory	32 DIMM slots Up to 8TB ECC LRDIMM, DDR4-3200MHz Up to 8TB Intel® DCPMM, DDR4-3200MHz Up to 8TB ECC RDIMM, DDR4-3200MHz
Drive Bays	24x 2.5" hot-swap NVMe/SATA/SAS drive bays; Optional RAID support via RAID Controller AOC
Expansion Slots	4 (Optional) PCIe 4.0 x16 or x8 FH, 10.5"L slot(s) 4 (Optional) PCIe 4.0 x8 FH, 10.5"L slot(s) Note: If PCIe slot 1 is configured as x16, PCIe slot 2 is disabled; If PCIe slot 3 is configured as x16, PCIe slot 4 is disabled; If PCIe slot 5 is configured as x16, PCIe slot 6 is disabled; If PCIe slot 7 is configured as x16, PCIe slot 8 is disabled. For 24 NVMe configurations, PCIe slots 3,4,5,6,7,8 and AIOM slot A2 cannot be used. For 8 NVMe configurations, AIOM slot A2 cannot be used. For 16 NVMe configurations, PCIe slots 3,4 and AIOM slot A2 cannot be used.
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support NVMe: NVMe; RAID 0/1/5/10 support (Intel® VROC RAID Key required) Chipset: Intel® C621A Network Connectivity: 2x 1GbE BaseT with Intel® i350-AM2 (optional) 4x 1GbE BaseT or 4x 1GbE SFP with Intel® i350-AM4 (optional) 2x 10GbE BaseT with Intel® X550-AT2 (optional) 2x 10GbE SFP+ with Intel® X710-BM2 (optional) 4x 10GbE SFP+ with Intel® XL710-BM1 (optional) 4x 10GbE RJ45/SFP+ with Intel® X710-TM4 (optional) 2x 25GbE SFP28 with Broadcom® BCM57414 (optional) 4x 25GbE RJ45/SFP28 with Mellanox® CX-4 Lx EN Intel® X550-AT2 (optional) 2x 100GbE QSFP28 with Broadcom® BCM57508 (optional) IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 Dedicated BMC LAN port USB: 2 USB 3.0 port(s) (2 rear) Video: 1 VGA port(s)



System Cooling	4x 8cm heavy duty fan(s)
Power Supply	1600W 1U redundant power supply Dimension (W x H x L): 73.5 x 40 x 265 mm Output Type: 25 Pairs Gold Finger Connector
System BIOS	BIOS Type: AMI 256MB SPI Flash
Management	SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM; IPMI 2.0; Redfish API
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	Height: 3.5" (88.9 mm) Width: 17.2" (437 mm) Depth: 29.9" (760 mm) Gross Weight: 66 lbs (30 kg) Net Weight: 40 lbs (18.2 kg) Packaging: 10.4" (H) x 23.8" (W) x 43.6" (D) Available Color: N/A
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 X12DHM-6
Chassis	CSE-HS219-R1K63P