

Twin SuperServer SYS-220TP-HC8TR



More details here

Key Applications

High Performance Computing, Hyper-Converged Infrastructure, Big Data / Big Science,

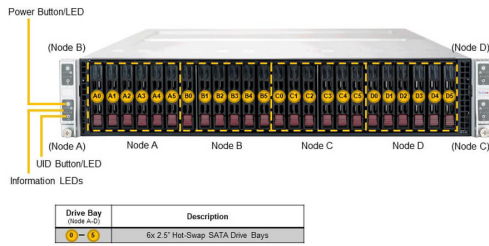
Key Features

- Dual Socket P+ (LGA-4189) 3rd Generation Intel® Xeon® Scalable Processors;
- Intel® C621A chipset;
- 16 DIMMs, Up to 4TB 3DS ECC DDR4-3200 LRDIMM/RDIMM;
- 1 PCIe 4.0 x16 (LP), 1 PCIe 4.0 x8 (with M.2 adapter installed for support 2 NVME up to 22x80 mm);
- Intel® X710 Dual port 10GBase-T LAN onboard;
- 6x 2.5" hot-swap SATA/SAS drive bays;
- 4 heavy duty 8cm PWM fans with optimal fan speed control (Per System);
- Two 2200W redundant power supplies with PMBus;
- Broadcom® 3808 SAS (12Gbps); 6 slots per node; HBA only, no RAID support.; ASPEED AST2600 BMC, 2 USB, VGA. RoT;

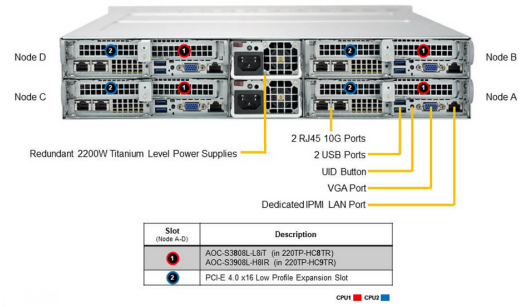


Form Factor	2U Rackmount Enclosure: 438 x 88 x 730mm (17.25" x 3.47" x 28.75") Package: 622 x 254 x 1143mm (24.5" x 10" x 45")
Processor	Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 32C/64T; Up to 48MB Cache per CPU
System Memory	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM
Drive Bays	6x 2.5" hot-swap SATA/SAS drive bays
Expansion Slots	1 PCIe 4.0 x16 LP slot(s)
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2x 10GbE BaseT with Intel® X710-AT2 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 IPMI LAN port USB: 2 USB 3.0 port(s) (2 rear) Video: 1 VGA port(s) Others: M.2 2 NVME M.2 (up to 22x80 mm) support via installed SCC-P2N2M2-P2 and M.2 for OS boot only. For 22x110mm M.2 support, need add AOC-SLG3-2M2 or AOC-SLG3-2H8M2 per node.

(Front View – System)



(Rear View – System)



System Cooling	Fans: 4x 8cm heavy duty fans with optimal fan speed control Air Shroud: 4 Air Shroud(s)
Power Supply	2200W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 5 Phase-switching voltage regulator 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: 3.47" (88 mm) Width: 17.25" (438 mm) Depth: 28.75" (730 mm) Gross Weight: 90 lbs (40.9 kg) Net Weight: 72 lbs (32.7 kg) Packaging: 10" (H) x 24.5" (W) x 45" (D) Available Color: Black front & silver body
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	Super X12DPT-PT6
Chassis	CSV-217HQ+-R2K20BP4