Twin SuperServer SYS-220TP-HC8TR

2U 4-node TwinPro with 6 2.5" SAS/SATA drives per node and dual 10GbE

More details here

Key Applications

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



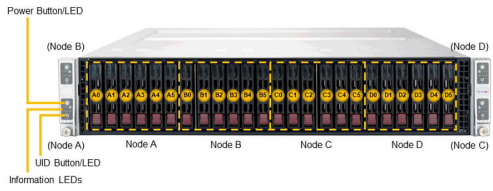
Key Features

- Four hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:;
- 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 Configuration	Default: Total 6 bays • 6 front hot-swap 2.5" SAS/SATA drive bays
Expansion Slots	Default • 1 PCIe 4.0 x16 (in x16) LP slot
On-Board Devices	Network Connectivity: 2 RJ45 10GBASE-T with Intel® X710-AT2 BMC: ASPEED AST2600 BMC
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports (rear) Video: 1 VGA port

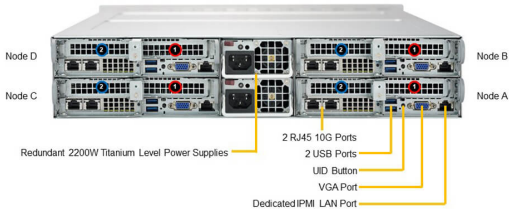
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(Front View – System)



Drive Bay (Node A-D)	Description
0 – 5	6x 2.5" Hot-Swap SATA Drive Bays

(Rear View – System)



Slot (Node A-D)	Description
1	AOC-S3808L-L8iT (in 220TP-HC8TR) AOC-S3908L-H8iR (in 220TP-HC9TR)
2	PCI-E 4.0 x16 Low Profile Expansion Slot

CPU1 CPU2

System Cooling	Fans: Up to 4x 8cm heavy duty fans with optimal fan speed control Air Shroud: 4 Air Shrouds
Power Supply	1x 2200W Redundant Titanium Level (96%) power supply
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	CPU: 5 Phase-switching voltage regulator 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: 90 lbs (40.9 kg) Net Weight: 72 lbs (32.7 kg) Available Color: Black front & silver body
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 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**

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