

# Twin SuperServer SYS-620TP-HTTR

2U 4-node TwinPro with 3 3.5" SATA drives per node and dual 10GbE



More details here

## Key Applications

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

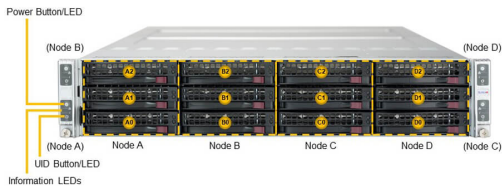
## Key Features

- 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;
- 2 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;
- 3x 3.5" hot-swap SATA drive bays;
- 4 heavy duty 8cm PWM fans with optimal fan speed control (Per System);
- Two 2200W redundant power supplies with PMBus;
- SATA (6Gbps); 3 slots per node; RAID 0, 1, 5 support. ASPEED AST2600 BMC, 2 USB, VGA, RoT;
- Four **hot-pluggable** systems (nodes) in a 2U form factor. Each node supports the following;;



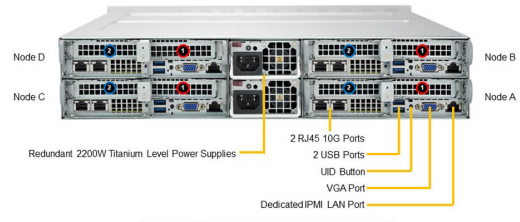
|                          |  |
|--------------------------|--|
| Form Factor              | 2U Rackmount<br>Enclosure: 438 x 88 x 774mm (17.25" x 3.47" x 30.5")<br>Package: 622 x 254 x 1143mm (24.5" x 10" x 45")  |
| Processor                | Dual Socket P+ (LGA-4189)<br>3rd Gen Intel® Xeon® Scalable processors<br>Up to 32C/64T; Up to 48MB Cache per CPU   |
| System Memory            | Slot Count: 16 DIMM slots<br>Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM  |
| Drive Bays Configuration | Default: Total 3 bay(s)<br>• 3 front hot-swap 3.5" SATA drive bay(s)   |
| Expansion Slots          | Default<br>• 2 PCIe 4.0 x16 LP slot(s)   |
| On-Board Devices         | SATA: SATA (6Gbps)<br>Chipset: Intel® C621A<br>Network Connectivity: 2 RJ45 10GBASE-T with Intel® X710-AT2   |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)<br>USB: 2 USB 3.0 port(s) (rear)<br>Video: 1 VGA port(s)<br>DOM: 2 Super <a href="#">DOM</a> (Disk on Module) port(s) |

(Front View – System)



| Drive Bay (Node A-D) | Description                      |
|----------------------|----------------------------------|
| 0-3                  | 3x 3.5" Hot-Swap SATA Drive Bays |

(Rear View – System)



| Slot (Node A-D) | Description                    |
|-----------------|--------------------------------|
| 1               | PCI-E 4.0 x16 Low Profile Slot |
| 2               | PCI-E 4.0 x16 Low Profile Slot |

CPU1 CPU2

|                       |   |
|-----------------------|---|
| System Cooling        | Fans: 4x 8cm heavy duty fans with optimal fan speed control<br>Air Shroud: 4 Air Shroud(s)  |
| Power Supply          | 1x 2200W Redundant Titanium Level (96%) power supply  |
| System BIOS           | BIOS Type: AMI 32MB SPI Flash EEPROM  |
| Management            | SuperCloud Composer; 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: Monitors for CPU Cores, Chipset Voltages, Memory<br>5 Phase-switching voltage regulator<br>FAN: Fans with tachometer monitoring<br>Status monitor for speed control<br>Pulse Width Modulated (PWM) fan connectors<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 90 lbs (40.9 kg)<br>Net Weight: 72 lbs (32.7 kg)<br>Available Color: Black front & silver body  |
| Operating Environment | Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)   |
| Motherboard           | <a href="#"><u>Super X12DPT-PT6</u></a>   |
| Chassis               | <a href="#"><u>CSV-827HQ+-R2K20BP4</u></a>  |