

# Twin SuperServer SYS-620TP-HTTR



## Key Applications

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

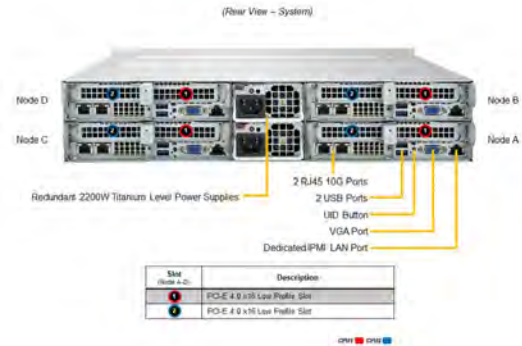
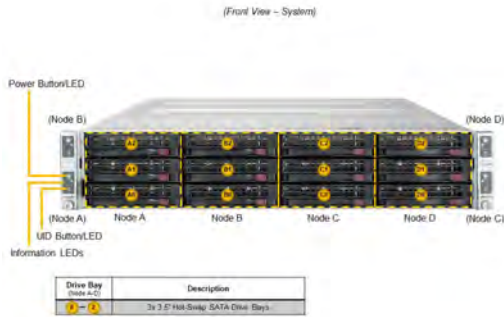
## Key Features

- 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 PCI-E 4.0 x16 (LP), 1 PCI-E 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;

[More details here](#)



<b>Form Factor</b>	2U Rackmount Enclosure: 438 x 88 x 774mm (17.25" x 3.47" x 30.5") Package: 622 x 254 x 1143mm (24.5" x 10" x 45")
<b>Processor</b>	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA 4189 (Socket P+) supported TDP up to 185W; 2 UPI
<b>System Memory</b>	16 DIMM slots Up to 4TB ECC RDIMM, DDR4-3200MHz
<b>Drive Bays</b>	3x 3.5" hot-swap SATA drive bays;
<b>Expansion Slots</b>	Slot 1: PCI-E 4.0 x16 LP Slot 2: PCI-E 4.0 x16 LP Internal Slot: M.2
<b>On-Board Devices</b>	SATA: SATA3 (6Gbps) via Intel C621A; RAID 0, 1, 5 support 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
<b>Input / Output</b>	LAN: 1 RJ45 Dedicated IPMI LAN port USB: 2 USB 3.0 port(s) (2 rear) Video: 1 VGA port(s) DOM: 2 SuperDOM (Disk on Module) port Others: M.2 2 NVME M.2 (up to 22x80 mm) support via installed SCC-P2N2M2-P2 and M.2 for OS boot only.



<b>Cooling System</b>	4x 8cm heavy duty fan(s)
<b>Power Supply</b>	1U 2200W Redundant, Titanium, 76(W) X 40(H) X 336(L) mm Dimension (W x H x L): 76 x 40 x 336 mm Output Type: Gold Finger Connector
<b>System BIOS</b>	BIOS Type: AMI 32MB SPI Flash EEPROM
<b>Management</b>	SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM; IPMI 2.0; Redfish API; Supermicro Out of Band (OOB) Software License Key (Included per Node)
<b>PC Health Monitoring</b>	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
<b>Dimensions and Weight</b>	Height: 3.47" (88 mm) Width: 17.25" (438 mm) Depth: 30.5" (774 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
<b>Operating Environment</b>	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)
<b>Motherboard</b>	<a href="#">Super X12DPT-PT6</a>
<b>Chassis</b>	CSV-827HQ+-R2K20BP4