# IoT SuperServer SYS-210TP-HPTR

X12 SuperEdge 2U4-Node UP rear I/O Server with 24 SATA bays

More details here

## Key Applications

Multi-Access Edge Computing, Flex-RAN, Open-RAN vBBU, Telecom DRAN, CRAN, and Edge Core Application, Enterprise Edge Computing,



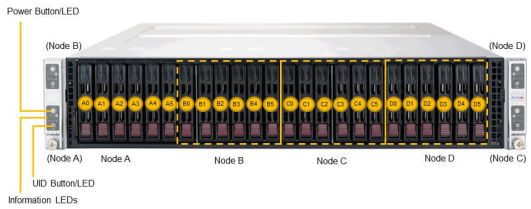
## Key Features

- Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processor (per node);
- Intel® C621A Chipset;
- 8 DIMMs; Up to 2TB 3DS ECC DDR4-3200: RDIMM/LRDIMM (per node);
- 2 PCIe Gen4 x16 HHHL slot (per node);
- 2 NVMe M.2 2280/22110 (per node)
  Front hot-swappable 2.5” HDD/SSD tray (6 tray per node);
- 4 heavy duty 8cm PWM fans with optimal fan speed control (Per System);
- 1+1 Redundant 2000W Titanium Level AC Power Supplies (per system);
- Intel® X710 Dual port 10G SFP+ onboard;
- Four hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:;

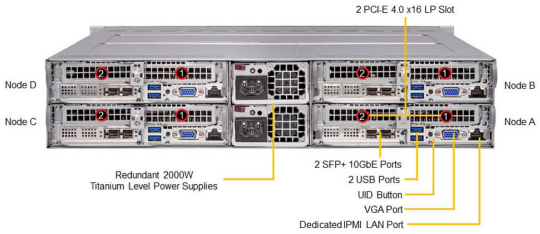
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|---|---|
| Form Factor | 2U Rackmount<br>Enclosure: 438 x 88 x 730mm (17.25" x 3.5" x 28.75")<br>Package: 526 x 250 x 965mm (20.7" x 9.8" x 38") |
| Processor | Single Socket P+ (LGA-4189)<br>3rd Gen Intel® Xeon® Scalable processors<br>Up to 32C/64T; Up to 48MB Cache |
| System Memory | Slot Count: 8 DIMM slots<br>Max Memory (2DPC): Up to 8TB 3200MT/s ECC DDR4 RDIMM/LRDIMM |
| Drive Bays Configuration | Default: Total 6 bay(s)<br>• 6 front hot-swap 2.5" SATA drive bay(s)<br>M.2: 2 M.2 NVMe slot(s) (M-key 2280/22110) |
| Expansion Slots | Default<br>• 2 PCIe 4.0 x16 HHHL slot(s) |
| On-Board Devices | SATA: SATA (6Gbps) via Intel® C621A; RAID 0/1/5/10 support(Intel® VROC RAID key required)<br>Chipset: Intel® C621A<br>Network Connectivity: 2 SFP+ 10GbE with Intel® X710-BM2 |
| Input / Output | LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)<br>2 SFP+ 10 GbE LAN port(s) (IPMI shared on LAN port 1)<br>USB: 2 USB 3.2 Gen1 Type-A port(s) (rear)<br>Video: 1 VGA port(s) (Rear) |

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*(Front View – System)*




*(Rear View – System)*




| | |
|---|---|
| System Cooling | Fans: 4x 8cm heavy duty fans with optimal fan speed control 80x80x38mm Fan(s)<br>Air Shroud: 4 Air Shroud(s) |
| Power Supply | 2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies |
| System BIOS | BIOS Type: AMI 32MB UEFI |
| 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>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>CPU thermal trip support, PEPI |
| Dimensions and Weight | Weight: Gross Weight: 90 lbs (40.8 kg)<br>Net Weight: 70 lbs (31.8 kg)<br>Available Color: Black front & silver body |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 0°C ~ 35°C (32°F ~ 95°F)<br>Non-operating Temperature: 0°C to 70°C (32°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing) |
| Motherboard | **Super X12SPT-PT** |
| Chassis | **CSE-217HQ+-000NBP4** |

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