

# IoT SuperServer SYS-211TP-HPTR

X13 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 E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors (per node);
- Intel® C741 Chipset;
- 8 DIMMs; Up to 2TB ECC DDR5-5600MT/s R-DIMM / R-DIMM 3DS (per node);
- 2 PCIe Gen5 x16 HHHHL slot (per node);
- 2 NVMe M.2 2280 / 25110 (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 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;;



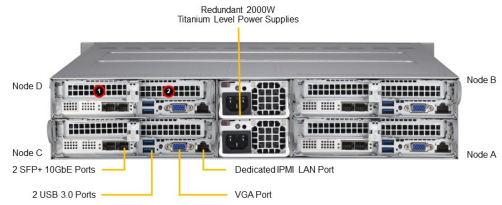
Form Factor	2U Rackmount Enclosure: 438 x 88 x 730mm (17.25" x 3.5" x 28.75") Package: 526 x 250 x 965mm (20.7" x 9.8" x 38")
Processor	Single Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Up to 60C/120T; Up to 300MB Cache
System Memory	Slot Count: 8 DIMM slots/1 Channels Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 6 bay(s) <ul style="list-style-type: none"> <li>• 6 front hot-swap 2.5" SATA drive bay(s)</li> </ul> M.2: 2 M.2 PCIe 5.0 x4 NVMe slot(s) (M-key 2280/22110/25110; VROC required for RAID)
Expansion Slots	Default <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x16 HHHHL slot(s)</li> </ul>
On-Board Devices	SATA: SATA (6Gbps) Chipset: Intel® C741 Network Connectivity: 2 SFP+ 10GbE with Intel® X710-BM2
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) 2 SFP+ 10 GbE LAN port(s) (IPMI shared on LAN port 1) USB: 2 USB 3.2 Gen1 Type-A port(s) (rear) Video: 1 VGA port(s) (Rear)

(Front View – System)



Drive Bay	Description
A1 – A6	Node A 6 Hot-swap 2.5" SATA3 Drive Bays
B1 – B6	Node B 6 Hot-swap 2.5" SATA3 Drive Bays
C1 – C6	Node C 6 Hot-swap 2.5" SATA3 Drive Bays
D1 – D6	Node D 6 Hot-swap 2.5" SATA3 Drive Bays

(Rear View – System)



Slot (Node A-D)	Description
1 – 2	8 PCIe 5.0 x16 Slots

**System Cooling** Fans: 4 heavy duty fans with optimal fan speed control 8cm Fan(s)  
Air Shroud: 4 Air Shroud(s)

**Power Supply** 2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies

**System BIOS** BIOS Type: AMI 256MB SPI Flash  
BIOS Features: RTC (Real Time Clock) Wakeup  
SPI dual/quad speed support  
Riser Card audio detection support  
ACPI Power Management 6.4  
SMBIOS 3.5 or later  
PCI firmware 4.0  
UEFI 2.9

**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  
FAN: Fans with tachometer monitoring  
Status monitor for speed control  
Pulse Width Modulated (PWM) fan connectors  
Temperature: Monitoring for CPU and chassis environment  
CPU thermal trip support, PEPI

**Dimensions and Weight** Weight: Gross Weight: 90 lbs (40.8 kg)  
Net Weight: 70 lbs (31.8 kg)  
Available Color: Black front & silver body

**Operating Environment** RoHS Compliant  
Operating Temperature: 0°C ~ 35°C (32°F ~ 95°F)  
Non-operating Temperature: 0°C to 70°C (32°F to 140°F)  
Operating Relative Humidity: 8% to 90% (non-condensing)  
Non-operating Relative Humidity: 5% to 95% (non-condensing)

**Motherboard** [Super X13SET-PT](#)

**Chassis** CSE-217HQ+-R2K04BP4