

IoT SuperServer SYS-211TP-HPTR



Key Applications

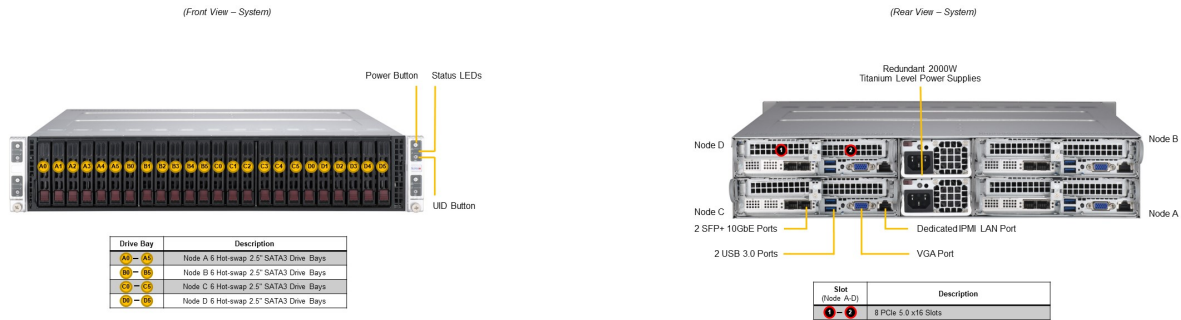
Multi-Access Edge Computing, Flex-RAN, Open-RAN vBBU, Telecom DRAN, CRAN, and Edge Core Application, Enterprise Edge Computing,

Key Features

- Single Socket E (LGA-4677) 5th Gen Intel® Xeon®/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 HHHL slot (per node);
- Front hot-swappable 2.5” HDD/SSD tray (6 tray per node); 2 NVMe M.2 2280 / 25110 (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;



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 Supports 85W - 85W TDP CPUs (Air Cooled)
System Memory	Slot Count: 8 DIMM slots/1 Channels Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM
Drive Bays	6x 2.5" hot-swap SATA drive bays 2 M.2 NVMe M-Key, 2280/25110
Expansion Slots	2 PCIe 5.0 x16 HHHL slot(s)
On-Board Devices	SATA: SATA3 (6Gbps) Chipset: Intel® C741 Network Connectivity: 2x 10GbE SFP+ with Intel® X710-BM2 IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 Dedicated IPMI LAN port 2x 10 GbE SFP+ (LAN1 shared with IPMI) USB: 2 USB 3.2 Gen1 port(s) (2 USB) Video: 1 VGA port(s)



System Cooling	Air Shroud: 4 Air Shroud(s) Fans: 4x 8cm heavy duty fans with optimal fan speed control 80x80x38mm Fan(s)
Power Supply	2000W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 256MB SPI Flash AMI 256MB SPI Flash AMI 256MB SPI Flash AMI 256MB SPI Flash AMI 256MB SPI Flash AMI 256MB SPI Flash AMI 256MB SPI Flash BIOS Features: UEFI 2.9
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
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	Height: 3.5" (88 mm) Width: 17.25" (438 mm) Depth: 28.75" (730 mm) Gross Weight: 90 lbs (40.8 kg) Net Weight: 70 lbs (31.8 kg) Packaging: 9.8" (H) x 20.7" (W) x 38" (D) Available Color: Silver
Operating Environment	Operating Temperature: 0°C ~ 35°C (32°F ~ 95°F) Non-operating Temperature: 0°C to 70°C (-40°F to 158°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