IoT SuperServer SYS-211TP-HPTRD

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,



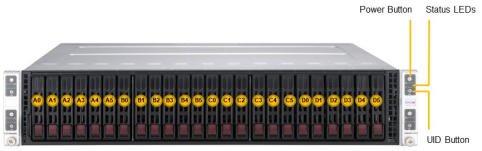
Key Features

- 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 HHHL 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 DC 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 bays • 6 front hot-swap 2.5" SATA drive bays M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 2280/22110/25110; VROC required for RAID)
Expansion Slots	Default • 2 PCIe 5.0 x16 HHHL slots
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 BMC LAN port 2 SFP+ 10 GbE LAN ports (IPMI shared on LAN port 1) USB: 2 USB 3.2 Gen1 Type-A ports(rear) Video: 1 VGA port(Rear)

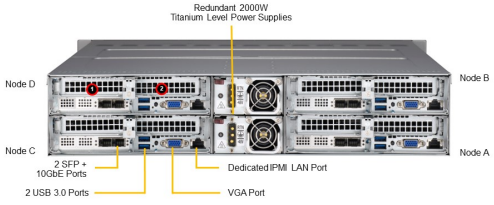
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(Front View – System)



Drive Bay	Description
A0 – A5	Node A 6 Hot-swap 2.5" SATA3 Drive Bays
B0 – B5	Node B 6 Hot-swap 2.5" SATA3 Drive Bays
C0 – C5	Node C 6 Hot-swap 2.5" SATA3 Drive Bays
D0 – D5	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: 4x 8cm heavy duty fans with optimal fan speed control 80x80x38mm Fan(s) Air Shroud: 4 Air Shrouds
Power Supply	2x 2000W Redundant (1 + 1) power supplies
System BIOS	BIOS Type: AMI 256MB SPI Flash BIOS Features: RTC (Real Time Clock) Wakeup UEFI 2.8 SPI dual/quad speed support Riser Card audio detection support ACPI Power Management 6.4 SMBIOS 3.5 or later PCI firmware 4.0
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+-R2K03BP4**

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