IoT SuperServer SYS-210P-FRDN6T

X12 2U Short-depth front I/O System with 2 x 10G & 4 x 1G ports, 2x 2.5"SATA bays and redundant DC PSU

More details here

Key Applications

AI Inference and Machine Learning, Cloud Computing, Network Function Virtualization (NFV), 5G Networking,

Key Features

- Design with compliance to NEBS-Level 3;
- Single Socket P+ (LGA-4189) 3rd Generation Intel® Xeon® Scalable Processors;
- 8 DIMM slots; Up to 2TB 3DS ECC DDR4-3200: RDIMM/LRDIMM/Intel® Intel® DCPMM;
- Up to 2 PCIe 4.0 FHHL & 2 HHHL expansion slots for Accelerator Add-On-Cards;
- Onboard 2x 10GbE ports & 4x 1GbE ports;
- 2x 2.5" drive bays for SATA drives;
- Redundant 600W DC -48V Power Supplies;
- Ultra short depth, 2U Front I/O Edge Server;

Form Factor	2U Rackmount Enclosure: 436.88 x 88.9 x 298.8mm (17.2" x 3.5" x 11.8") Package: 490 x 188 x 590mm (19.3" x 7.4" x 23.3")
Processor	Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 36C/72T; Up to 60MB Cache
GPU	Up to 2 double-width GPUs
System Memory	Slot Count: 8 DIMM slots Max Memory (2DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 2 bays • 2 front hot-swap 2.5" SATA drive bays M.2: 1 M.2 NVMe/SATA slot (M-key 2280/22110)
Expansion Slots	Default • 1 PCIe 3.0 x16 HHHL slot • 2 PCIe 3.0 x16 FHHL slots
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1 support Chipset: Intel® C621A Network Connectivity: 4 RJ45 1GbE 2 RJ45 10GbE

Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port
	       2 RJ45 10 GbE LAN ports (Intel® X550)
	       4 RJ45 1 GbE LAN ports (Intel® I350-AM4)
	USB: 2 USB 2.0 ports(front)
	       2 USB 3.2 Gen1 ports(front)
	Video: 1 VGA port

(Front View – System)

(Rear View – System)

Handle

Control Panel

COM Port
VGA Port
2 USB 2.0 Port
Dedicated IPMI LAN Port

Dual Function Switch
4 RJ45 GbE LAN Ports
2 RJ45 10GbE LAN Ports
2 USB 3.0 Ports

4 internal fans

Slot Description	
① ②	PCIe 4.0 x8 LP
③	PCIe 4.0 x8 FHHL (optional)
④ ④	PCIe 4.0 x16 FHHL

Drive Bay	Description
⓪ ①	2 Hot-swap 2.5" SATA3 Drive Bays
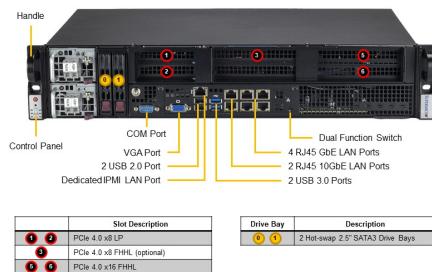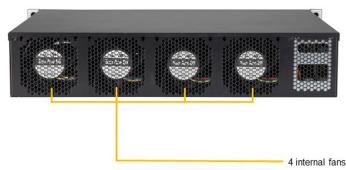
System Cooling	Fans: Up to 4x 4-PIN PWM 8cm Fan(s)
Power Supply	1x 600W Redundant Typical 90%+ Level (96%) power supply
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent 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: 22 lbs (10 kg) Net Weight: 17 lbs (7.7 kg) Available Color: Silver/Black
Operating Environment	Operating Temperature: 0°C to 35°C (32°F to 95°F) Non-operating Temperature: -40°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 X12SPM-LN6TF**
Chassis	**CSE-211M**