IoT SuperServer SYS-110P-FDWTR

Intel Xeon Socket P+ (LGA-4189) 3rd Gen, 600W -48 Vdc redundant PWS, 1U edge platform

Key Applications

Multi-Access Edge Computing (MEC), DU of 5G Application, Satellite Communication, VRAN/ORAN for Telecom, Edge AI,

Key Features

- Socket P+ (LGA-4189) support 3rd Gen Intel® Xeon® Scalable processors;
- 8 DIMMs; Up to 2TB 3DS ECC DDR4-3200: RDIMM/LRDIMM;
- 2x 2.5" drive bays; 1 M.2 NVMe OR 1 M.2 SATA3;
- 6 heavy duty fans with optimal fan speed control; 1 Air Shroud(s);
- 600W -48V Redundant Power Supplies Level (92%+);

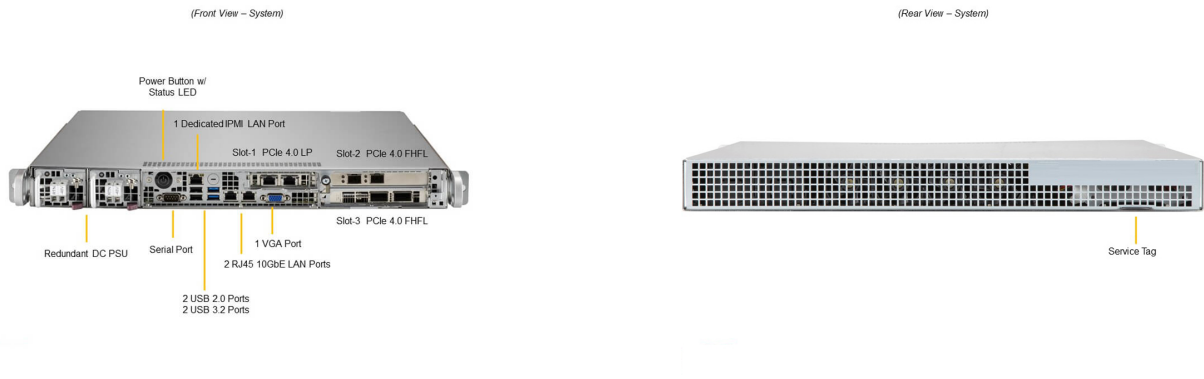|	
Form Factor	1U Enclosure: 437 x 43 x 429mm (17.2" x 1.7" x 16.9") Package: 686 x 203 x 610mm (27" x 8" x 24")
Processor	Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 32C/64T; Up to 48MB Cache
System Memory	Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2048GB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 2 bays • 2 internal fixed 2.5" SATA drive bays M.2: 1 M.2 NVMe/SATA slot (M-key 2280/22110)
Expansion Slots	Default • 1 PCIe 4.0 x16 LP slot • 2 PCIe 4.0 x16 FHFL slots
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1 support Chipset: System on Chip Network Connectivity: 2 RJ45 10GBASE-T with Intel® X550

Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port
	      2 RJ45 10 GbE LAN ports (Intel® X550-AT2)
	USB: 2 USB 2.0 Type-A ports
	      2 Type-A ports
	Video: 1 VGA port

(Front View – System)

(Rear View – System)

Power Button w/
Status LED

1 Dedicated IPMI LAN Port

Slot-1 PCIe 4.0 LP   Slot-2 PCIe 4.0 FHFL

Slot-3 PCIe 4.0 FHFL

1 VGA Port

2 RJ45 10GbE LAN Ports

Redundant DC PSU   Serial Port

2 USB 2.0 Ports
2 USB 3.2 Ports

Service Tag

System Cooling	Fans: Up to 6 heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud
Power Supply	2x 600W Redundant (1 + 1) Typical 90%+ Level (96%) power supplies
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: 14.99 lbs (6.8 kg) 　　　Net Weight: 10.01 lbs (4.54 kg) Available Color: No Paint
Operating Environment	Operating Temperature: 0°C to 40°C (32°F to 104°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 X12SPW-TF**
Chassis	**CSE-515B-R601W**