

IoT SuperServer SYS-110P-FWTR

Intel Xeon Socket P+ (LGA-4189) 3rd Gen, 800W 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);
- 800W Redundant Power Supplies Level (94%+);



Form Factor	1U Rackmount Enclosure: 436.88 x 44.5 x 429.3mm (17.2" x 1.7" x 16.9") Package: 685 x 203 x 609mm (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 <ul style="list-style-type: none"> • 2 internal fixed 2.5" SATA drive bays M.2: 1 M.2 PCIe 3.0 x4 NVMe/SATA slot (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 1 PCIe 4.0 x16 LP slot • 2 PCIe 4.0 x16 FHFL slots
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1 support 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



System Cooling	Fans: Up to 6 heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud
Power Supply	2x 800W Redundant (1 + 1) Platinum Level (94%) 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 Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: CPU thermal trip support, PEPI Monitoring for CPU and chassis environment
Dimensions and Weight	Weight: Gross Weight: 15 lbs (6.8 kg) Net Weight: 10 lbs (4.54 kg) Available Color: Silver
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-R801W