IoT SuperServer SYS-110P-FRDN2T

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

More details here

Key Applications

Multi-Access Edge Computing, Flex-RAN, Open-RAN vBBU, Artificial Intelligence (AI) on Edge, Machine Learning (ML),



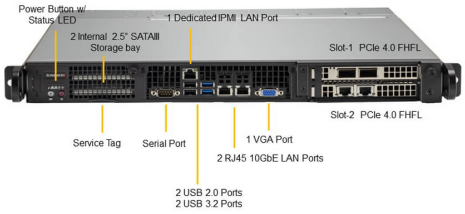
Key Features

- Socket P+ (LGA-4189) support 3rd Gen Intel® Xeon® Scalable processors;
- 8x DIMMs; Up to 2TB 3DS ECC DDR4-3200: RDIMM/LRDIMM;
- 2x PCIe Gen4 x16 FHFL slot;
- 2x 2.5" drive bays; 1x M.2 NVMe OR 1x M.2 SATA3;
- 5x hot-swappable counter rotated fans with optimal fan speed control;
- Redundant 600W DC Power Supplies;
- Front-access I/O: 2x 10GBase-T, 1x Dedicated IPMI, 2x USB3.0, 2x USB2.0, 1x COM, 1x VGA;

Form Factor	1U Rackmount Enclosure: 437 x 43 x 399mm (17.2" x 1.7" x 15.7") 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 (2DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 2 bay(s) • 2 internal fixed 2.5" SATA drive bay(s) M.2: 1 M.2 PCIe 3.0 x4 NVMe/SATA slot(s) (M-key 2280/22110)
Expansion Slots	Default • 2 PCIe 4.0 x16 FHFL slot(s)
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1 support Chipset: Intel® C621A Network Connectivity: 2 RJ45 10GBASE-T with Intel® X550
Input / Output	LAN: 2 RJ45 10 GbE LAN port(s) USB: 2 USB 3.0 Type-A port(s) 2 USB 2.0 Type-A port(s) Video: 1 VGA port(s)

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(Front View – System)



(Rear View – System)



System Cooling	Fans: 5 heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s)
Power Supply	1x 600W Redundant Typical 90%+ Level (92%) 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: 18 lbs (8.16 kg) Available Color: Black
Operating Environment	Operating Temperature: 0°C ~ 40°C (32°F ~ 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-515M-R601**

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