

IoT SuperServer SYS-110P-FDWTR

Intel Xeon Socket P+ (LGA-4189) 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, DU of 5G Application, Satellite Communication,

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 Rackmount
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

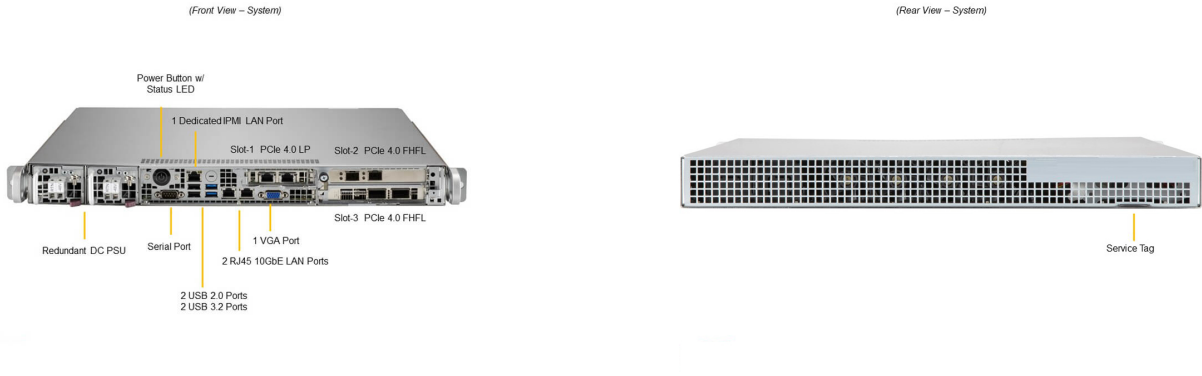
Default
• 1 PCIe 4.0 x16 LP slot
• 2 PCIe 4.0 x16 FHFL slots

On-Board Devices

SATA: SATA (6Gbps) ; RAID 0/1 support
Chipset: Intel® C621A
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



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|-----------------------|--|
| System Cooling | Fans: 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 ~ 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-515B-R601W |