

# IoT SuperServer SYS-111E-FWTR

1U Short-depth front I/O System with 2x 10G ports, 2x 2.5" drive bays and AC redundant PSU



## Key Applications

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

## Key Features

- Support 5th and 4th Gen Intel® Xeon® Scalable processors;
- 8 DIMMs; Up to 2TB 3DS ECC DDR5-5600 RDIMM;
- 2x 2.5" drive bays; 1 M.2 NVMe (PCIe 3.0 x2 from PCH);
- 6 heavy duty fans with optimal fan speed control; 1 Air Shroud(s);
- 800W AC Redundant Power Supplies Level;



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| Form Factor              | 1U Rackmount<br>Enclosure: 436.88 x 44.5 x 429.3mm (17.2" x 1.7" x 16.9")<br>Package: 685 x 203 x 609mm (27" x 8" x 24")   |
| Processor                | Single Socket E (LGA-4677)<br>5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors<br>Up to 32C/64T; Up to 60MB Cache   |
| System Memory            | Slot Count: 8 DIMM slots<br>Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM   |
| Drive Bays Configuration | Default: Total 2 bays <ul style="list-style-type: none"> <li>• 2 internal fixed 2.5" SATA drive bays</li> </ul> M.2: 1 M.2 PCIe 3.0 x2 NVMe slot (M-key 2280/22110)      |
| Expansion Slots          | Default <ul style="list-style-type: none"> <li>• 1 PCIe 5.0 x16 LP slot</li> <li>• 2 PCIe 5.0 x16 FHFL slots</li> </ul>  |
| On-Board Devices         | SATA: SATA (6Gbps) ; RAID 0/1 support<br>Chipset: Intel® C741<br>Network Connectivity: 2 RJ45 10GbE  |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>2 RJ45 10 GbE LAN ports (Intel® X550-AT2)<br>USB: 2 USB 2.0 Type-A ports<br>2 USB 3.2 Gen1 Type-A ports<br>Video: 1 VGA port |



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| System Cooling        | Fans: Up to 6 heavy duty fans with optimal fan speed control<br>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<br>FAN: Fans with tachometer monitoring<br>Pulse Width Modulated (PWM) fan connectors<br>Status monitor for speed control<br>Temperature: CPU thermal trip support, PEPI<br>Monitoring for CPU and chassis environment |
| Dimensions and Weight | Weight: Gross Weight: 15 lbs (6.8 kg)<br>Net Weight: 10 lbs (4.54 kg)<br>Available Color: Silver   |
| Operating Environment | Operating Temperature: 0°C to 40°C (32°F to 104°F)<br>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)                                    |
| Motherboard           | <a href="#">Super X13SEW-TF</a>  |
| Chassis               | CSE-515B-R801W   |