

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

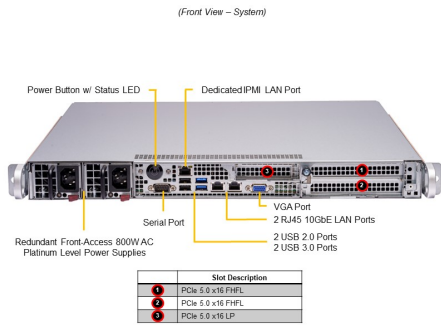
Multi-Access Edge Computing, Flex-RAN, Open-RAN vBBU, Artificial Intelligence (AI) on Edge, DU of 5G Application, Satellite Communication,

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;



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 E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Up to 32C/64T; Up to 60MB Cache
System Memory	Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM
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 x2 NVMe slot (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 LP slot • 2 PCIe 5.0 x16 FHFL slots
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1 support Chipset: Intel® C741 Network Connectivity: 2 RJ45 10GbE
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 USB 3.2 Gen1 Type-A ports Video: 1 VGA port



System Cooling	<p>Fans: 6 heavy duty fans with optimal fan speed control</p> <p>Air Shroud: 1 Air Shroud</p>
Power Supply	2x 800W Redundant (1 + 1) Platinum Level (94%) power supplies
Management	<p>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!</p>
PC Health Monitoring	<p>CPU: Monitors for CPU Cores, Chipset Voltages, Memory</p> <p>FAN: Fans with tachometer monitoring</p> <p>Status monitor for speed control</p> <p>Pulse Width Modulated (PWM) fan connectors</p> <p>Temperature: Monitoring for CPU and chassis environment</p> <p>CPU thermal trip support, PEPI</p>
Dimensions and Weight	<p>Weight: Gross Weight: 15 lbs (6.8 kg)</p> <p>Net Weight: 10 lbs (4.54 kg)</p> <p>Available Color: Silver</p>
Operating Environment	<p>Operating Temperature: 0°C ~ 40°C (32°F ~ 104°F)</p> <p>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</p> <p>Operating Relative Humidity: 8% to 90% (non-condensing)</p> <p>Non-operating Relative Humidity: 5% to 95% (non-condensing)</p>
Motherboard	Super X13SEW-TF
Chassis	CSE-515B-R801W