

# IoT SuperServer SYS-111E-FWTR



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,

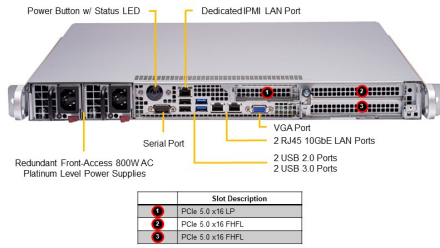
## Key Features

- 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 Supports 85W - 85W TDP CPUs (Air Cooled)* *Air Cooled CPUs with TDP over 205W only supported under specific conditions. Contact a Supermicro representative for details.
System Memory	Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM
Drive Bays	2x 2.5" SATA drive bays 1x M-Key 22110/2280 (PCIe 3.0 x2 (NVMe))
Expansion Slots	1 PCIe 5.0 x16 LP slot(s) 2 PCIe 5.0 x16 FHFL slot(s)
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1 support Chipset: Intel® C741 Network Connectivity: 2x 10GbE port(s) IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 Dedicated IPMI LAN port 2 RJ45 10GbE (Intel® X550-AT2) USB: 2 USB 2.0 port(s) (2 Type A) 2 USB 3.2 Gen1 port(s) (2 Type A) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 front)

(Front View – System)



(Rear View – System)



System Cooling	Fans: 6 heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s)
Power Supply	800W Redundant Level power supplies
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
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	Height: 1.7" (44.5 mm) Width: 17.2" (436.88 mm) Depth: 16.9" (429.3 mm) Gross Weight: 15 lbs (6.8 kg) Net Weight: 10 lbs (4.54 kg) Packaging: 8" (H) x 27" (W) x 24" (D) Available Color: Silver
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	<a href="#">Super X13SEW-TF</a>
Chassis	CSE-515B-R801W

## Parts List

### Standard Parts (Parts Included)

Motherboard / Chassis				
Part Number	MBD-X13SEW-TF	CSE-515B-R801W		
Qty	1	1		
Description	Super X13SEW-TF Motherboard	1U Chassis		
Cable				
Part Number	CBL-0082L	CBL-0483L	CBL-MCIO-1218M5 OR	CBL-MCIO-1218M5-1
Qty	1	2	1	-
Description	Y SPLIT SATA POWER ADAPTER, PB FREE	7pin SATA (STR to STR), 29cm, PBF	MCIO x8 (STR to STR),18CM,85OHM,RoHS	MCIO x8 (STR to STR),18CM,85OHM,RoHS
Fan				
Part Number	FAN-0167L4			
Qty	2			
Description	40x40x56 mm, 20.5K-17.6K RPM, Counter-rotating Fan for SC947 SBB and 1U Twin Pro Series Servers			
Manual				
Part Number	MNL-2570-QRG			
Qty	1			
Description	111E-FWTR/FDWTR Quick Reference Guide			
Riser Card				
Part Number	RSC-W-66G5	RSC-WR-6G5+		
Qty	1	1		
Description	1U LHS WIO Riser card with two PCIe 5.0 X16 slots,HF,R	1U RHS WIO Riser card with one PCIe 5.0 X16 slot,HF,RoH		
Software				
Part Number	SFT-OOB-LIC			
Qty	1			
Description	License key for enabling OOB BIOS management			
Heatsink / Retention				
Part Number	SNK-P0087P			
Qty	1			
Description	1U Passive CPU HS for X13 Intel Eagle Stream Platform			
*Power Supply				
Part Number	PWS-804S-1R			
Qty	2			
Description	800W 100-240Vac input, Platinum, base module PWS-804P-1R			
*Power Distributor				
Part Number	PDB-PT514-2824			
Qty	1			
Description	1U redundant power distributor board for SC514, SC113 etc., (rename from PDB-PT514-1824),RoHS/REACH			

#### Notes:

1. Parts with \* are inside the chassis
2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

### Optional Parts List

AOC supporting bracket				
Part Number	MCP-120-51501-0N			
Qty	1			
Description	1U WIO supporting bracket for SC515B AOC(AOC-P3IMB-M-P2)			
Fan				
Part Number	FAN-0163L4 <a href="https://store.supermicro.com/40mm-fan-0163l4.html">Store (https://store.supermicro.com/40mm-fan-0163l4.html)</a>			
Qty	6			
Description	Required when supports a 350W CPU			
TPM security module				
Part Number	AOM-TPM-9670V-O			
Qty	1			
Description	SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor			

[Global SKU \(/en/products/SMC\\_global\\_skus\)](#)