

IoT SuperServer SYS-111E-FDWTR



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,

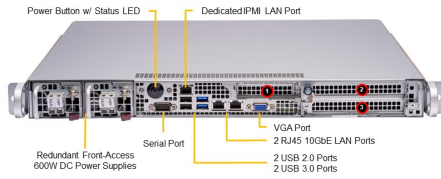
Key Features

- 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);
- 600W DC 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)



Slot Description	
	PCIe 5.0 x16 LP
	PCIe 5.0 x16 FHL
	PCIe 5.0 x16 FHWL

(Rear View – System)



System Cooling	Fans: 6 heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s)
Power Supply	2x 600W Redundant (1 + 1) Typical 90%+ 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	Super X13SEW-TF
Chassis	CSE-515B-R601W

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis

Part Number	MBD-X13SEW-TF	CSE-515B-R601W
Qty	1	1
Description	Super X13SEW-TF Motherboard	1U Chassis

Cable

Part Number	CBL-0082L	CBL-0483L	CBL-PWCD-0974	CBL-MCIO-1218M5 OR	CBL-MCIO-1218M5-1
Qty	1	2	2	1	-
Description	Y SPLIT SATA POWER ADAPTER, PB FREE	7pin SATA (STR to STR), 29cm, PBF	48VDC input power cable, 2M, 12AWG, 3 wires, RoHS/REACH,RoHS	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-601S-1R
Qty	2
Description	1U 600W Redundant DC48V input w/PMBus power supply, W54.5xH4

*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 Store (https://store.supermicro.com/40mm-fan-0163l4.html)
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 \(/en/products/SMC_global_skus\)](#)