

IoT SuperServer SYS-111E-FDWTR

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



More details here

Key Applications

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

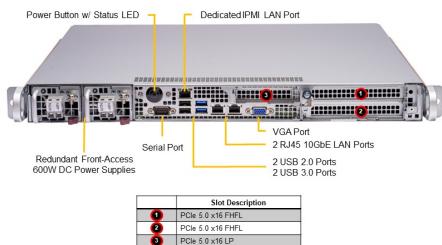
Key Features

- Support 5th and 4th Gen Intel® Xeon® Scalable processors;
- NEBS Level 3 Certified;
- 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 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 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

(Front View – System)



(Rear View – System)

**System Cooling**

Fans: Up to 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 to 40°C (32°F to 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](#)