

# 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,

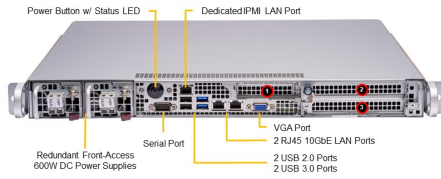
## Key Features

- 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	<p>1U Rackmount</p> <p>Enclosure: 436.88 x 44.5 x 429.3mm (17.2" x 1.7" x 16.9")</p> <p>Package: 685 x 203 x 609mm (27" x 8" x 24")</p>
Processor	<p>Single Socket E (LGA-4677)</p> <p>5th Gen Intel® Xeon®/4th Gen Intel® Xeon® Scalable processors</p> <p>Up to 32C/64T; Up to 60MB Cache</p> <p>Supports 85W - 85W TDP CPUs (Air Cooled)*</p> <p>*Air Cooled CPUs with TDP over 205W only supported under specific conditions. Contact a Supermicro representative for details.</p>
System Memory	<p>Slot Count: 8 DIMM slots</p> <p>Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM</p>
Drive Bays	<p>2x 2.5" SATA drive bays</p> <p>1x M-Key 22110/2280 (PCIe 3.0 x2 (NVMe))</p>
Expansion Slots	<p>1 PCIe 5.0 x16 LP slot(s)</p> <p>2 PCIe 5.0 x16 FHFL slot(s)</p>
On-Board Devices	<p>SATA: SATA3 (6Gbps); RAID 0/1 support</p> <p>Chipset: Intel® C741</p> <p>Network Connectivity: 2x 10GbE port(s)</p> <p>IPMI: Support for Intelligent Platform Management Interface v.2.0</p> <p>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</p>
Input / Output	<p>LAN: 1 RJ45 Dedicated IPMI LAN port</p> <p>2 RJ45 10GbE (Intel® X550-AT2)</p> <p>USB: 2 USB 2.0 port(s) (2 Type A)</p> <p>2 USB 3.2 Gen1 port(s) (2 Type A)</p> <p>Video: 1 VGA port(s)</p> <p>Serial Port: 1 COM Port(s) (1 front)</p>

(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	<a href="#">Super X13SEW-TF</a>
Chassis	CSE-515B-R601W