

# IoT SuperServer SYS-211E-FRDN2T

X13 2U Short-depth front I/O System with 2 x 10G ports, 2x 2.5" NVMe drive bays and redundant DC PSU



More details here

## Key Applications

5G Core and Edge, AI Inference and Machine Learning, Network Function Virtualization, Cloud Computing,

## Key Features

- Design with compliance to NEBS-Level 3;
- Single Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors;
- 8 DIMM slots; Up to 2TB 3DS ECC DDR5-5600; R-DIMM/R-DIMM 3DS;
- Up to 3 PCIe 5.0 x16 FHHL, 1 PCIe 5.0 X16 HHHL & 1 PCIe 5.0 x8 FHHL expansion slots for Accelerator Add-On-Cards  
Up to 6 Configurable PCIe 5.0 slots (4 standard + 2 optional);
- Onboard 2x 10GbE ports;
- 2x 2.5" NVMe drive bays;
- Redundant 600W DC -48V Power Supplies;
- Ultra short depth, 2U Front I/O Edge Server;

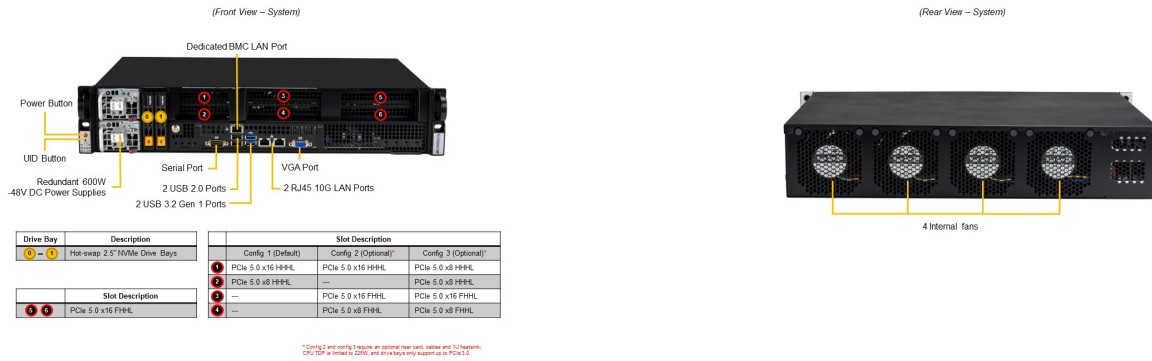


<b>Form Factor</b>	2U Rackmount Enclosure: 436.88 x 88.9 x 298.8mm (17.2" x 3.5" x 11.8") Package: 490 x 188 x 590mm (19.3" x 7.4" x 23.3")
<b>Processor</b>	Single Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Up to 60C/120T; Up to 112.5MB Cache
<b>GPU</b>	Max GPU Count: Up to 3 single-width GPU(s) Supported GPU: NVIDIA PCIe: A2 Intel PCIe: Intel Data Center GPU Flex 140 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
<b>System Memory</b>	Slot Count: 8 DIMM slots Max Memory (2DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM
<b>Expansion Slots</b>	Default <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x16 FHHL slot(s)</li> <li>• 1 PCIe 5.0 x16 HHHL slot(s)</li> <li>• 1 PCIe 5.0 x8 HHHL slot(s)</li> </ul> Option A* <ul style="list-style-type: none"> <li>• 3 PCIe 5.0 x16 FHHL slot(s)</li> <li>• 1 PCIe 5.0 x16 HHHL slot(s)</li> <li>• 1 PCIe 5.0 x8 FHHL slot(s)</li> </ul> Option B* <ul style="list-style-type: none"> <li>• 3 PCIe 5.0 x16 FHHL slot(s)</li> <li>• 2 PCIe 5.0 x8 HHHL slot(s)</li> <li>• 1 PCIe 5.0 x8 HHHL slot(s)</li> </ul>
<b>On-Board Devices</b>	NVMe: NVMe; RAID 0/1 support(Intel® VROC RAID key required) Chipset: Intel® C741 Network Connectivity: 2 QSFP28 25GbE with Intel® XXV710 (optional) 2 QSFP+ 40GbE with Intel® X710-BM2 (optional) 4 RJ45 1GbE with Intel® I350 (optional) 2 QSFP28 100GbE with Intel® E810-CAM2 (optional) 2 RJ45 10GBASE-T with Intel® X550 2 SFP+ 10GbE with Intel® X710-BM2 (optional) 2 QSFP56 100GbE (optional) 4 QSFP28 25GbE with Intel® E810-CAM1 (optional) 2 QSFP56 200GbE (optional) 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 1 GbE Dedicated BMC LAN port(s)  
2 RJ45 10 GbE LAN port(s) (Intel® X550-AT2)  
USB: 2 USB 2.0 port(s) (front)  
2 USB 3.2 Gen1 port(s) (front)  
Video: 1 VGA port(s)  
Serial: 1 port(s)

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System Cooling	Fans: 4x 4-PIN PWM 8cm Fan(s)
Power Supply	2x 600W Redundant Typical 90%+ Level power supplies
System BIOS	BIOS Type: AMI 256MB SPI Flash
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	Weight: Gross Weight: 22 lbs (10 kg) Net Weight: 17 lbs (7.7 kg) Available Color: Silver/Black
Operating Environment	Operating Temperature: 0°C ~ 45°C (32°F ~ 113°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 X13SEM-TF</a>
Chassis	CSE-211M