

# IoT SuperServer SYS-E403-13E-FRN2T

X13 2.5U Box PC with Intel 5th / 4th Gen Intel Xeon Scalable processor and support for 3 PCIe 5.0 x16 (FHFL) slots and 2 10GbE LAN



## Key Applications

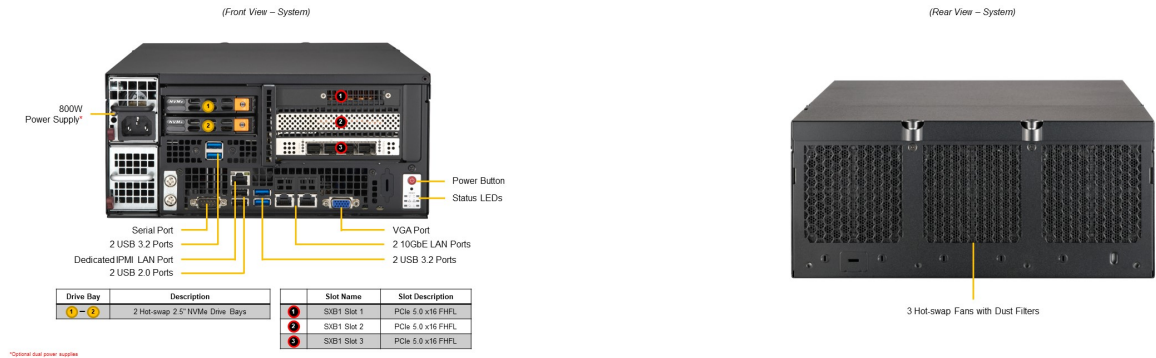
Multi-Access Edge Computing (MEC), Universal Customer Premise Equipment (uCPE), Industrial Automation, Retail, Machine Learning (ML), Edge AI,

## Key Features

- Support 5th and 4th Gen Intel® Xeon® Scalable processors;
- Up to 8 DIMMs and total 2TB 3DS ECC DDR5-5600 RDIMM;
- 3x PCIe5.0 x16 slot;
- 2x 10 Gigabit Ethernet Ports;
- Up to 2 front hot-swap 2.5" NVMe + 2 internal fixed 2.5" SATA drive bays;



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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | <p>Fan-based Embedded</p> <p>Enclosure: 266.7 x 117.348 x 406.4mm (10.5" x 4.62" x 16")</p> <p>Package: 416 x 264 x 660mm (16.4" x 10.4" x 26")</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>                                                                                                                                                                    |
| GPU                      | <p>Max GPU Count: Up to 1 double-width or 2 single-width GPUs</p> <p>Supported GPU: NVIDIA PCIe: A10, A2, L4, L40, L40S, RTX 4000 Ada Generation, RTX 6000 Ada Generation</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 Configuration | <p>Default: Total 4 bays</p> <ul style="list-style-type: none"> <li>• 2 front hot-swap 2.5" NVMe drive bays</li> <li>• 2 internal fixed 2.5" SATA* drive bays</li> </ul> <p>(*SATA support may require additional storage controller and/or cables)</p> <p>M.2: 1 M.2 PCIe 3.0 x2 NVMe slot (M-key 2280/22110)</p> |
| Expansion Slots          | <p>Default</p> <ul style="list-style-type: none"> <li>• 3 PCIe 5.0 x16 FHFL slots</li> </ul>                                                                                                                                                                                                                       |
| On-Board Devices         | <p>NVMe: NVMe; RAID 0/1 support(Intel® VROC RAID key required)</p> <p>Chipset: Intel® C741</p> <p>Network Connectivity: 2 RJ45 10GBASE-T with Intel® X550-AT2</p> <p>1 RJ45 1GbE with Realtek RTL8211F PHY (dedicated IPMI)</p>                                                                                    |
| Input / Output           | <p>LAN: 1 RJ45 1 GbE Dedicated BMC LAN port</p> <p>2 RJ45 10 GbE LAN ports (Intel® X550-AT2)</p> <p>USB: 2 USB 2.0 Type-A ports(front)</p> <p>4 USB 3.2 Gen1 Type-A ports(Front)</p> <p>Video: 1 VGA port(Front)</p> <p>Serial: 1 COM port(Front)</p>                                                              |



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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: Up to 3x 8cm heavy duty fans with optimal fan speed control 80x80x38mm Fan(s)<br>Air Shroud: 1 Air Shroud                                                                                                                            |
| Power Supply          | 1x 800W Redundant Platinum Level (94%) power supply                                                                                                                                                                                        |
| 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! |
| Dimensions and Weight | Weight: Gross Weight: 24.5 lbs (10.95 kg)<br>Net Weight: 18.5 lbs (8.16 kg)<br>Available Color: Black                                                                                                                                      |
| Operating Environment | Operating Temperature: 0°C to 45°C (32°F to 113°F)<br>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)  |
| Motherboard           | <a href="#">Super X13SEW-TF</a>                                                                                                                                                                                                            |
| Chassis               | CSE-E403BiF-000NDBP2                                                                                                                                                                                                                       |