

# IoT SuperServer SYS-E403-14B-FRN2T

X14 2.5U Box PC with Intel Xeon 6 processor, support for 3 PCIe 5.0 x16 (FHFL) slots and 2 10GbE LAN ports



More details here

## Key Applications

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

## Key Features

- Single Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores up to 300W with air cooling;
- Up to 8 DIMMs supporting up to 2TB DDR5-6400MT/s RDIMM;
- 2 RJ45 10GBASE-T;
- Up to 3 PCIe 5.0 x16 FHFL slots;
- Up to 2 front hot-swap 2.5" NVMe + 2 internal fixed 2.5" SATA drive bays;
- 1 Redundant 800W Platinum Level power supply;
- Fan-based Embedded chassis with 16" (406.4mm) depth;



Form Factor	Fan-based Embedded Enclosure: 266.7 x 117.348 x 406.4mm (10.5" x 4.62" x 16") Package: 416 x 264 x 660mm (16.4" x 10.4" x 26")
Processor	Single Socket E2 (LGA-4710) Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores P-cores: 48C/96T; 288MB Cache E-cores: 144C/144T; 108MB Cache
GPU	Up to 1 double-width or 2 single-width GPUs
System Memory	Slot Count: 8 DIMM slots Max Memory (1DPC): 2TB 6400MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 4 bays <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> (*SATA support may require additional storage controller and/or cables) M.2: 2 M.2 PCIe 5.0 x2 NVMe slots (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> <li>• 3 PCIe 5.0 x16 FHFL slots</li> </ul>
On-Board Devices	Chipset: System on Chip Network Connectivity: 2 RJ45 10GBASE-T with Intel® X550 1 RJ45 1GbE with ASPEED AST2600
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GbE LAN ports (Intel® X550) USB: 4 USB 3.2 Gen1 Type-A ports(Front) Video: 1 VGA port(Front) Serial: 1 COM port(Front) TPM: 1 TPM Onboard TPM & TPM Header



System Cooling	Fans: Up to 3x 8cm heavy duty fans with optimal fan speed control 80x80x38mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	1x 800W Redundant Platinum Level (94%) power supply
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Supermicro Server Manager (SSM); 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) Net Weight: 18.5 lbs (8.16 kg) Available Color: Black
Operating Environment	Operating Temperature: 0°C to 45°C (32°F to 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="#"><u>Super X14SBW-TF</u></a>
Chassis	CSE-E403BiF-000NDBP2