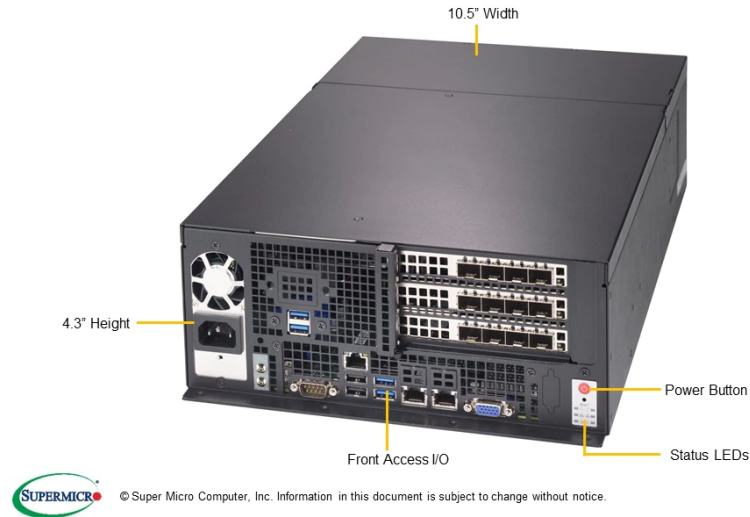


IoT SuperServer SYS-E403-12P-FN2T

NEW

SuperServer SYS-E403-12P-FN2T

(Angled View – System)



Key Applications

- Multi-Access Edge Computing (MEC)
- Universal Customer Premise Equipment (uCPE)
- Network Function Virtualization (NFV)
- Artificial Intelligence (AI) on Edge, Machine Learning (ML)
- Industrial Automation, Retail, Smart Medical Expert Systems

Key Features

1. Single Socket Intel® Xeon-SP (Ice Lake) up to 32 Cores
2. 3x PCI-E4.0 x16 slot
3. 2x 10 Gigabit Ethernet Ports
4. 4x 2.5" Internal Drive Bays
5. 4x USB 3.0, 2x USB 2.0

Specifications

Chassis

Form Factor	▪ Box PC
Model	▪ CSE-E403iF-000NBP

Dimensions and Weight

Height	▪ 4.3" (109mm)
Width	▪ 10.5" (267mm)
Depth	▪ 16" (406mm)
Package	▪ 9.75" (H) x 15.75" (W) x 21.5" (D)
Weight	▪ Net Weight: 18 lbs (8.16 kg) ▪ Gross Weight: 24 lbs (10.89 kg)
Available Color	▪ Black

Front Panel

Buttons	▪ Power On/Off ▪ UID button
LEDs	▪ HDD activity ▪ LAN1 activity ▪ LAN2 activity ▪ Power status ▪ System information

Expansion Slots

PCI-Express (PCI-E)	▪ Slot 1: PCI-E 4.0 x16 FHFL ▪ Slot 2: PCI-E 4.0 x16 FHFL ▪ Slot 3: PCI-E 4.0 x16 FHFL
----------------------------	--

Drive Bays / Storage

Drive Bays	▪ 4x 2.5" SATA drive bays
M.2	▪ 1 M.2 NVMe OR 1 M.2 SATA3 ▪ M-Key, 2280/22110

System Cooling

Fans	▪ 3 heavy duty fans with optimal fan speed control
Air Shroud	▪ 1 Air Shroud(s)

Power Supply

600W AC 100-240V Power Supply

Dimension (W x H x L)	▪ 100 x 40 x 220 mm
AC Input	▪ 600W: 100-240Vac / 3.5A-7.5A / 50-60Hz

Operating Environment

Product SKUs

SYS-E403-12P-FN2T	<ul style="list-style-type: none"> SuperServer SYS-E403-12P-FN2T (Black)
--------------------------	--

Motherboard**Super X12SPW-TF****Processor**

CPU	<ul style="list-style-type: none"> Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Support CPU TDP 85-205W
------------	--

Cores	<ul style="list-style-type: none"> Up to 32C/64T; Up to 48MB Cache
--------------	---

System Memory

Memory	<ul style="list-style-type: none"> Memory Capacity: 8 DIMM slots Memory Type: 3200MHz ECC DDR4 RDIMM/LRDIMM
---------------	---

Memory Voltage	<ul style="list-style-type: none"> 1.2 V
-----------------------	---

Error Detection	<ul style="list-style-type: none"> ECC
------------------------	---

On-Board Devices

SATA	<ul style="list-style-type: none"> SATA3 (6Gbps); RAID 0/1 support
-------------	---

Chipset	<ul style="list-style-type: none"> Intel® C621A
----------------	--

Network Connectivity	<ul style="list-style-type: none"> 2x 10GbE BaseT port(s)
-----------------------------	--

IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
-------------	--

Input / Output

Video	<ul style="list-style-type: none"> 1 VGA port(s)
--------------	---

Serial Port	<ul style="list-style-type: none"> 1 COM Port(s) (1 front)
--------------------	---

System BIOS

BIOS Type	<ul style="list-style-type: none">
------------------	--

BIOS Features	<ul style="list-style-type: none"> ACPI 6.0 RTC (Real Time Clock) Wakeup SMBIOS 3.0 or later
----------------------	---

Management

Software	<ul style="list-style-type: none"> SUM SPM Intel® Node Manager KVM with dedicated LAN NMI Watch Dog SuperDoctor® 5 IPMI 2.0
-----------------	---

Power Configurations	<ul style="list-style-type: none"> ACPI Power Management Power-on mode for AC power recovery
-----------------------------	--

Environmental Spec.

- 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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X12SPW-TF	1	Super X12SPW-TF Motherboard
	CSE-E403iF-000NBP	1	Box PC Chassis
Cable 1	CBL-0082L	2	Y SPLIT SATA POWER ADAPTER, PB FREE
Cable 2	CBL-CUSB-0832	1	USB 3.0(F) Type A 2x to USB3.0 20pin,73CM,30AWG,RoHS
Cable 3	CBL-PWCD-0260-IS	1	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,18AWG,RoHS/REACH
Cable 4	CBL-SAST-0616	1	Internal Mini SAS HD to 4 SATA 50CM, S, w/50cm SB
Cable 5	CBL-SAST-1207LP1-85	2	[NR]SlimSAS x8 STR to SlimSASLP x8 STR,20CM,LnRvs,85Ohm,RoHS
FAN 1	FAN-0200L4	3	80x80x38 mm, 13.5K RPM Cooling Fan for CSE-E403iF, RoHS
Parts	MCP-260-00078-0B	1	1U I/O shield for X11 Server MB with 5X5mm vent hole and EMI Gasket, Black
Air Shroud	MCP-310-40304-0B	1	Mylar air shroud for X12SPW in CSE-E403iF,Black
Manual	MNL-2455-QRG	1	E403-12P-FN2T Quick Reference Guide
Power Supply	PWS-601-1H	1	1U 600/680W MULTI OUTPUT PWS 80+ GOLD
Riser Card	RSC-W2R-666G4	1	2U RHS WIO Riser card with threePCI-E4.0X16Slots,HF,RoHS
Heatsink / Retention	SNK-P0077V	1	X12 ICX/CPX CPU Heatsink (78x113x25.5mm), VC Base, Cu Fin