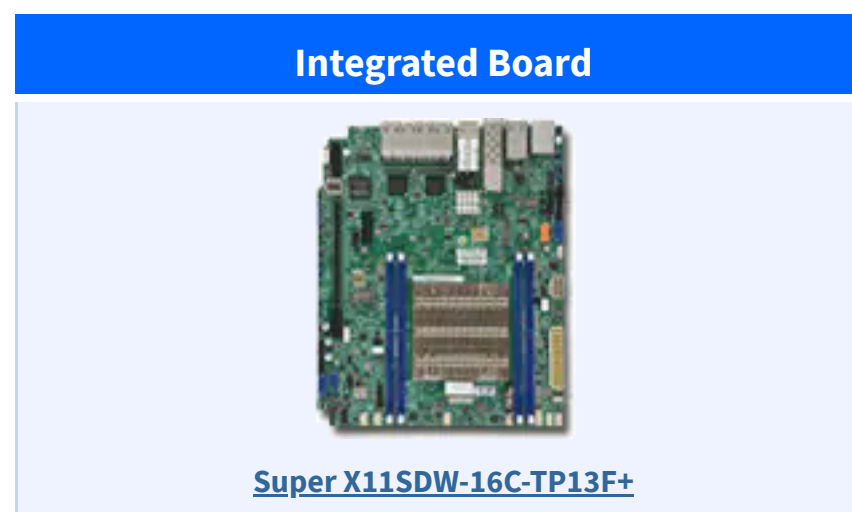


# SuperServer E403-9D-16C-FRN13+



Views: | [Angled View](#) | [Top View](#) | [Front View](#) | [Rear View](#) |



Super X11SDW-16C-TP13F+

## Key Applications

- Multi-Access Edge Computing (MEC)
- Universal Customer Premise Equipment (uCPE)
- Network Function Virtualization (NFV)
- Edge Computing, Vehicle to Everything Application (C-V2X / V2X)

## Key Features

1. Intel® Xeon® D-2183IT Processor, 16 Cores, 32 Threads, 2.2 GHz, 100W
2. Up to 512GB ECC LRDIMM, up to 256GB reg. ECC RDIMM DDR4-2400Mz; in 4 DIMM slots
3. 2 PCI-E 3.0 x16 or 2 PCI-E 3.0 x8 + 1 PCI-E 3.0 x16 (FHFL) slots
4. 4 Internal 2.5" drive bays
5. M.2: 1 M-Key 2280/22110, 1 E-Key 2230, 1 B-Key, 3042
6. 9 GbE (one for Ethernet management), 4x 10G SFP+, 1 Dedicated IPMI LAN port
7. 2 USB 3.0, 2 USB 2.0, 1 COM via RJ45, VGA via BMC
8. 800W Redundant Power Supplies **Platinum Level Certified**

[Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Manuals](#) [Quick-References Guide](#) [Tested Memory](#) [Tested M.2 List](#)

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

## Specifications ^

Product SKUs	
<b>SYS-E403-9D-16C-FRN13+</b>	SuperServer E403-9D-16C-FRN13+ (Black)
Motherboard	
<b>Super X11SDW-16C-TP13F+</b>	
Processor	
<b>CPU</b>	Intel® Xeon® processor D-2183IT, CPU TDP support 100W
<b>Cores / Cache</b>	16 Cores, 32 Threads
System Memory	
<b>Memory Capacity</b>	Up to 512GB DDR4 ECC LRDIMM Up to 256GB DDR4 ECC RDIMM 4 DIMM slots
<b>Memory Type</b>	2666/2400/2133MHz ECC DDR4 L/RDIMM Operating speed up to 2400MHz
<b>DIMM Sizes</b>	128GB, 64GB, 32GB, 16GB
<b>Memory Voltage</b>	1.2 V
On-Board Devices	
<b>Chipset</b>	System on Chip (SoC)
<b>SATA</b>	SATA3 (6Gbps) ports via SoC controller
<b>Network Controllers</b>	4x 10G SFP+ via SoC 8x 1GbE with Intel I350-AM4 Single 1GbE with Intel I210
<b>IPMI</b>	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
<b>Video</b>	VGA via Aspeed AST2500 BMC
Input / Output	
<b>SATA</b>	4 SATA3 (6Gbps) ports; RAID 0, 1, 5, 10
<b>LAN</b>	9 RJ45 Gigabit Ethernet LAN ports 4 10G SFP+ LAN ports 1 RJ45 Dedicated IPMI LAN port
<b>USB</b>	2 USB 3.0 ports (front) 2 USB 2.0 ports (front)
<b>Video</b>	1 VGA port
<b>Serial Port / Header</b>	1 COM via RJ45
System BIOS	
<b>BIOS Type</b>	128Mb SPI Flash with AMI BIOS
Management	
<b>Software</b>	Intel® Node Manager <a href="#">IPMI 2.0</a> NMI <a href="#">SUM</a> Watch Dog <a href="#">SuperDoctor® 5</a>

Chassis	
<b>Form Factor</b>	Box PC
<b>Model</b>	<b>CSE-E403IF-000NDBP2</b>
Dimensions and Weight	
<b>Height</b>	4.62" (117mm)
<b>Width</b>	10.5" (267mm)
<b>Depth</b>	16" (406mm)
<b>Weight</b>	Gross Weight: 23 lbs (10.43 kg) Net Weight: 17 lbs (7.7 kg)
<b>Available Colors</b>	Black
Front Panel	
<b>Buttons</b>	Power On/Off button System Reset button
<b>LEDs</b>	Power LED Hard drive activity LED Network activity LEDs System Information LED
Expansion Slots	
<b>PCI-Express</b>	2 PCI-E 3.0 x16 (FHFL) slots or 2 PCI-E 3.0 x8, 1 PCI-E 3.0 x16 (FHFL) slots
<b>M.2</b>	1 M.2 M-Key , 2280/22110 1 M.2 E-Key , 2230 1 M.2 B-Key , 3042
Drive Bays	
<b>Internal</b>	4 Internal 2.5" drive bays
System Cooling	
<b>Fans</b>	3x 80x80mm PWM redundant fans
Power Supply	
800W Redundant Power Supplies with PMBus	
<b>Total Output Power</b>	750W: 100 - 127Vac 800W: 200 - 240Vac 800W: 230 - 240Vdc
<b>Dimension (W x H x L)</b>	54.5 x 40.25 x 220 mm
<b>Input</b>	750W: 100-127Vac / 10A 800W: 200-240Vac / 5.5A 800W: 230-240Vdc / 5.5A
<b>+12V</b>	Max: 62.5A /Min: 0.5A (100-127Vac) Max: 66.6A /Min: 0.5A (200-240Vac, 230-240Vdc)
<b>+5Vsb</b>	Max: 4A /Min: 0A
<b>Output Type</b>	Gold Finger
<b>Certification</b>	<b>Platinum Level</b>
<b>DC option for: (AC counter-part)</b>	PWS-601D-1R
Operating Environment / Compliance	
<b>RoHS</b>	RoHS Compliant
<b>Environmental Spec.</b>	Operating Temperature: 0°C ~ 50°C (32°F ~ 122°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	
<b>Motherboard / Chassis</b>	MBD-X11SDW-16C-TP13F+	1	Super X11SDW-16C-TP13F+ Motherboard	
	CSE-E403IF-000NDBP2	1	Black 2.5U Embedded redundant BOX for FlexATX MB, W/O PWS	
<b>Add-on Card / Module</b>	AOM-SDW-B16X2-P	1	AOM-SDW-B16X2, Dual PCIe x16 slot WIO Riser Card for Intel FlexRAN project,RoHS	
	<b>Cable 1</b>	CBL-0082L	2	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
	<b>Cable 2</b>	CBL-CDAT-0850	1	CBL,VGA,DB15/F,w/Bracket TO 2X8F/P2.54,50CM,28/30AWG,RoHS
	<b>Cable 3</b>	CBL-CUSB-0831	1	[NR] USB2.0, 2 PORT,2x TYPE-A to 2X5/P2.54,63cm,26AWG,RoHS
	<b>Cable 4</b>	CBL-PWCD-0260-IS	4	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,18AWG,RoHS/REACH
	<b>Cable 5</b>	CBL-SAST-0641	4	45cm SATA Cable S-RA 30AWG,RoHS/REACH
	<b>FAN</b>	FAN-0201L4	3	80x80x80 mm, 9.6K-9.9K RPM Counter-rotating Cooling Fan
<b>Parts</b>	MCP-260-00153-0B	1	1U I/O Shield for X11SDW-14CN-TP13F+ with EMI Gasket, Black	
<b>Power Supply</b>	PWS-804P-1R	2	1U 800W 100-240VAC/50-60Hz, and DC240V input	
<b>Power Distributor</b>	PDB-PT403-8824	1	PDB-PT403-8824 is modified from PDB-PT802-8824 for E403 syst	

Notes:

1. Parts with \* are inside the chassis
2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

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