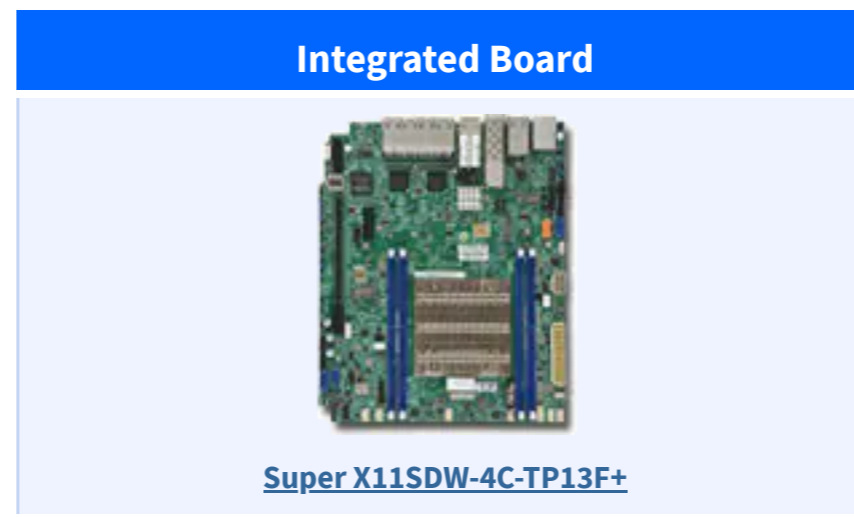


SuperServer E403-9D-4C-FRN13+



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



Super X11SDW-4C-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-2123IT Processor, 4 Cores, 8 Threads, 2.2 GHz, 60W
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](#) [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 | |
|-------------------------------|--|
| SYS-E403-9D-4C-FRN13+ | SuperServer E403-9D-4C-FRN13+ (Black) |
| Motherboard | |
| Super X11SDW-4C-TP13F+ | |
| Processor | |
| CPU | Intel® Xeon® processor D-2123IT, CPU TDP support 60W |
| Cores / Cache | 4 Cores, 8 Threads |
| System Memory | |
| Memory Capacity | Up to 512GB DDR4 ECC LRDIMM Up to 256GB DDR4 ECC RDIMM 4 DIMM slots |
| Memory Type | 2666/2400/2133MHz ECC DDR4 L/RDIMM Operating speed up to 2400MHz |
| DIMM Sizes | 128GB, 64GB, 32GB, 16GB |
| Memory Voltage | 1.2 V |
| On-Board Devices | |
| Chipset | System on Chip (SoC) |
| SATA | SATA3 (6Gbps) ports via SoC controller |
| Network Controllers | 4x 10G SFP+ via SoC 8x 1GbE with Intel I350-AM4 Single 1GbE with Intel I210 |
| IPMI | Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support |
| Video | VGA via Aspeed AST2500 BMC |
| Input / Output | |
| SATA | 4 SATA3 (6Gbps) ports; RAID 0, 1, 5, 10 |
| LAN | 9 RJ45 Gigabit Ethernet LAN ports 4 10G SFP+ LAN ports 1 RJ45 Dedicated IPMI LAN port |
| USB | 2 USB 3.0 ports (front) 2 USB 2.0 ports (front) |
| Video | 1 VGA port |
| Serial Port / Header | 1 COM via RJ45 |
| System BIOS | |
| BIOS Type | 128Mb SPI Flash with AMI BIOS |
| Management | |
| Software | Intel® Node Manager IPMI 2.0 NMI SUM Watch Dog SuperDoctor® 5 |

| Chassis | |
|--|---|
| Form Factor | Box PC |
| Model | CSE-E403iF-000NDBP2 |
| Dimensions and Weight | |
| Height | 4.62" (117mm) |
| Width | 10.5" (267mm) |
| Depth | 16" (406mm) |
| Weight | Gross Weight: 23 lbs (10.43 kg) Net Weight: 17 lbs (7.7 kg) |
| Available Colors | Black |
| Front Panel | |
| Buttons | Power On/Off button System Reset button |
| LEDs | Power LED Hard drive activity LED Network activity LEDs System Information LED |
| Expansion Slots | |
| PCI-Express | 2 PCI-E 3.0 x16 (FHFL) slots or 2 PCI-E 3.0 x8, 1 PCI-E 3.0 x16 (FHFL) slots |
| M.2 | 1 M.2 M-Key , 2280/22110 1 M.2 E-Key , 2230 1 M.2 B-Key , 3042 |
| Drive Bays | |
| Internal | 4 Internal 2.5" drive bays |
| System Cooling | |
| Fans | 3x 80x80mm PWM redundant fans |
| Power Supply | |
| 800W Redundant Power Supplies with PMBus | |
| Total Output Power | 750W: 100 - 127Vac 800W: 200 - 240Vac 800W: 230 - 240Vdc |
| Dimension (W x H x L) | 54.5 x 40.25 x 220 mm |
| Input | 750W: 100-127Vac / 10A 800W: 200-240Vac / 5.5A 800W: 230-240Vdc / 5.5A |
| +12V | Max: 62.5A /Min: 0.5A (100-127Vac) Max: 66.6A /Min: 0.5A (200-240Vac, 230-240Vdc) |
| +5Vsb | Max: 4A /Min: 0A |
| Output Type | Gold Finger |
| Certification | Platinum Level |
| DC option for: (AC counter-part) | PWS-601D-1R |
| Operating Environment / Compliance | |
| RoHS | RoHS Compliant |
| Environmental Spec. | 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 |
| Motherboard / Chassis | MBD-X11SDW-4C-TP13F+ | 1 | Super X11SDW-4C-TP13F+ Motherboard |
| | CSE-E403iF-000NDBP2 | 1 | Black 2.5U Embedded redundant BOX for FlexATX MB, W/O PWS |
| Add-on Card / Module | AOM-SDW-B16X2-P | 1 | AOM-SDW-B16X2, Dual PCIe x16 slot WIO Riser Card for Intel FlexRAN project,RoHS |
| Cable | Cable 1 CBL-0082L | 2 | Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG |
| | Cable 2 CBL-CDAT-0850 | 1 | CBL,VGA,DB15/F,w/Bracket TO 2X8F/P2.54,50CM,28/30AWG,RoHS |
| | Cable 3 CBL-CUSB-0831 | 1 | [NR] USB2.0, 2 PORT,2x TYPE-A to 2X5/P2.54,63cm,26AWG,RoHS |
| | Cable 4 CBL-PWCD-0260-IS | 1 | PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,18AWG,RoHS/REACH |
| | Cable 5 CBL-SAST-0641 | 4 | 45cm SATA Cable S-RA 30AWG,RoHS/REACH |
| FAN | FAN-0201L4 | 3 | 80x80x80 mm, 9.6K-9.9K RPM Counter-rotating Cooling Fan |
| Parts | MCP-260-00153-0B | 1 | 1U I/O Shield for X11SDW-14CN-TP13F+ with EMI Gasket, Black |
| Air Shroud | MCP-310-40302-0B | 1 | Mylar air shroud for X11SDW in CSE-E403iF, RoHS,Black |
| Power Supply | PWS-804P-1R | 2 | 1U 800W 100-240VAC/50-60Hz, and DC240V input |
| Power Distributor | 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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