SuperServer E403-9D-4C-FN13TP

Integrated Board

Super X11SDW-4C-TP13F

Drivers & Utilities | BIOS | IPMI | 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.

Coming Soon

Key Features

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

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 (FH3/4L) 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), 2x 10GbE, 2x 10G SFP+, and 1 Dedicated IPMI LAN port
7. 2 USB 3.0, 2 USB 2.0, 1 COM via RJ45, VGA via BMC
8. 600W Multi-output Gold Level Power Supply

Specifications

Product SKUs

SYS-E403-9D-4C-FN13TP	▪ SuperServer E403-9D-4C-FN13TP (**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	▪ Dual 10G SFP+ via SoC ▪ Dual 10GBase-T via Intel X557 ▪ 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 ▪ 2 RJ45 10GbE LAN ports ▪ 2 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

Chassis

Form Factor	▪ Box PC
Model	▪ **CSE-E403IF-505**

Dimensions and Weight

Height	▪ 4.3" (109mm)
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 (FH3/4L) slots or ▪ 2 PCI-E 3.0 x8, 1 PCI-E 3.0 x16 (FH3/4L) 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

600W AC multi output power supply w / PFC

AC Voltage	▪ 100-240 V, 50-60 Hz, 7.5-3.1 Amp
+5V	▪ 20 Amp
+5V standby	▪ 3 Amp
+12V	▪ 49 Amp
+3.3V	▪ 16 Amp
Certification	**Gold Certified** [Test Report]

Operating Environment / Compliance

RoHS	▪ RoHS Compliant

Software	▪ Intel® Node Manager ▪ IPMI 2.0 ▪ NMI ▪ SUM ▪ Watch Dog ▪ SuperDoctor® 5

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-505	1	Embedded Server Box
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 1	CBL-0082L	1	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable 2	CBL-0483L	2	SATA,INT,ROUND,ST-ST,29CM,30AWG
Cable 3	CBL-CDAT-0850	1	CBL,VGA,DB15/F,w/Bracket TO 2X8F/P2.54,50CM,28/30AWG,RoHS
Parts	MCP-260-00144-0B	1	1U I/O Shield for X11SDW with EMI Gasket, Black
Air Shroud	MCP-310-50502-0B	1	Air shroud for SC505 + X10SDV-7TP8F
Power Supply	PWS-601-1H	1	1U 600/680W MULTI OUTPUT PWS 80+ GOLD

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.