

# SuperServer E403-9D-14CN-FN13TP



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



Super X11SDW-14CNT-TP13F

## 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-2177NT Processor, 14 Cores, 28 Threads, 1.9 GHz, 105W
2. Up to 512GB ECC LRDIMM, up to 256GB reg. ECC RDIMM DDR4-2666Mz; 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, 2242/3042
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

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

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-14CN-FN13TP** SuperServer E403-9D-14CN-FN13TP (**Black**)

### Motherboard

**Super X11SDW-14CNT-TP13F**

### Processor

**CPU** Intel® Xeon® processor D-2177NT, CPU TDP support 105W  
**Cores / Cache** 14 Cores, 28 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 2666MHz  
**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

**Software** Intel® Node Manager  
[IPMI 2.0](#)  
NMI  
[SUM](#)  
Watch Dog  
[SuperDoctor® 5](#)

### 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 (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 , 2242/3042

### 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  
**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
<b>Motherboard / Chassis</b>	MBD-X11SDW-14CNT-TP13F	1	Super X11SDW-14CNT-TP13F Motherboard
	CSE-E403IF-505	1	Embedded Server Box
<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	1	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
	CBL-0483L	2	SATA,INT,ROUND,ST-ST,29CM,30AWG
	CBL-CDAT-0850	1	CBL,VGA,DB15/F,w/Bracket TO 2X8F/P2.54,50CM,28/30AWG,RoHS
<b>Parts</b>	MCP-260-00144-0B	1	1U I/O Shield for X11SDW with EMI Gasket, Black
	MCP-310-50502-0B	1	Air shroud for SC505 + X10SDV-7TP8F
<b>Air Shroud</b>	MCP-310-50502-0B	1	Air shroud for SC505 + X10SDV-7TP8F
<b>Power Supply</b>	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.

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