

SuperServer E403-9D-16C-FN13TP



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



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-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), 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-16C-FN13TP SuperServer E403-9D-16C-FN13TP (**Black**)

Motherboard

Super X11SDW-16C-TP13F

Processor

CPU Intel® Xeon® processor D-2183IT, CPU TDP support 100W
Cores / Cache 16 Cores, 32 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

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 , 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
Motherboard / Chassis	MBD-X11SDW-16C-TP13F	1	Super X11SDW-16C-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
	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
Parts	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
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.

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