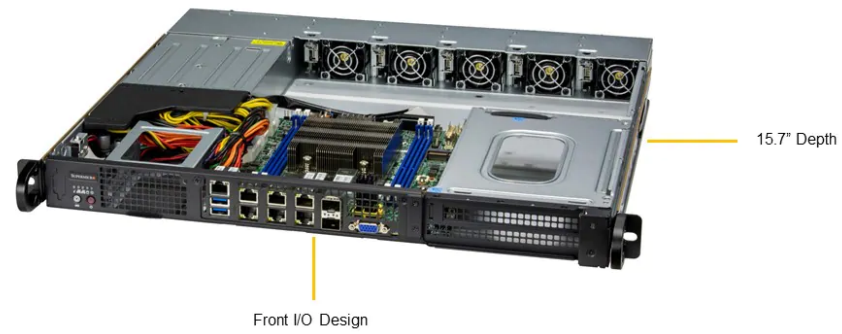


IoT SuperServer SYS-110D-14C-FRDN8TP

(Angled View – System)



Key Applications

- Intel® QuickAssist Technology

Key Features

Intel® Xeon® Processor D-2766NT, CPU TDP 97W

Up to 256GB Registered ECC RDIMM, DDR4-2933MHz; Up to 512GB LRDIMM LRDIMM, DDR4-2933MHz, in 4 DIMM slots

2x Internal 2.5" drive bays(2x PCI-E 4.0 NVMe x8 SlimSAS and 1x OCUlink options)

4x GbE, 2x 25G SFP28 and 2x 10G Base-T

1x M.2 M-Key 2242/2280 (SATA/PCI-E 3.0 x4)

5x 40x56mm Hot-swap Counter-rotation PWM Fans

Redundant 600 W, -48 Vdc

Specifications

Product SKUs

SuperServer **SYS-110D-14C-FRDN8TP** (Silver)

Motherboard**Super X12SDV-14C-SPT8F****Processor****CPU**

Single FCBGA-2579
Intel® Xeon® Processor D-2700 Series
Support CPU TDP 97W

System Memory**Memory**

Memory Capacity: 4 DIMM slots
Up to 256/512GB: ECC RDIMM/LRDIMM
Memory Type: 2667MHz ECC DDR4
RDIMM/LRDIMM

Memory Voltage

1.2 V

Error Detection

ECC

On-Board Devices**Chipset**

Intel® SoC

Network Connectivity

4x 1GbE GbE
2x 25GbE SFP28
2x 10GbE Base-T

IPMI

Support for Intelligent Platform
Management Interface v.2.0
IPMI 2.0 with virtual media over LAN and
KVM-over-LAN support

Input / Output**Video**

1 VGA port(s)

Management**Software**

SuperDoctor® 5
IPMI 2.0

Power Configurations

ACPI Power Management
Power-on mode for AC power recovery

PC Health Monitoring**CPU**

Monitors for CPU Cores, Chipset Voltages,
Memory

FAN

Fans with tachometer monitoring Pulse
Width Modulated (PWM) fan connectors
Status monitor for speed control

Temperature

CPU thermal trip support, PEPI Monitoring
for CPU and chassis environment

Chassis**Form Factor**

1U Rackmount

Model

CSE-515M-R000NP2

Dimensions and Weight**Height**

1.7" (43mm)

Width

17.2" (437mm)

Depth

15.7" (399mm)

Package

7.9" (H) x 26.7" (W) x 23.8" (D)

Weight

Net Weight: 18 lbs (8.16 kg)
Gross Weight: 29 lbs (13.15 kg)

Available Color

Silver

Front Panel**Buttons**

Power On/Off
UID button

LEDs

HDD activity
LAN1 activity
LAN2 activity
Power status
System information

Expansion Slots**PCI-Express (PCI-E)**

1 x PCIe 4.0 x 16 FHFL

Drive Bays / Storage**Drive Bays**

2x 2.5" SATA/PCIe drive bays

M.2

1 M.2 NVMe OR 1 M.2 SATA3
M-Key, 2242/2280

System Cooling**Fans**

5 Counter-rotating, Hot-swappable
40x40x56mm Fan(s)

Power Supply

600W Redundant DC -48V
Power Supplies with PMBus

Total Output Power

600W : (-44) - (-65) Vdc

Dimension**(W x H x L)**

54.5 x 40 x 220 mm

+12V

Max: 50A

5V SB

Max: 3A / Min: 0A

Certification**[Test Report]****Operating Environment****Environmental Spec.**

Operating Temperature:
0°C ~ 40°C (32°F ~ 104°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**Standard Parts (Parts Included)**

Motherboard / Chassis

Part Number	MBD-X12SDV-14C-SPT8F	CSE-515M-R000NP2
Qty	1	1
Description	Super X12SDV-14C-SPT8F Motherboard	1U Chassis

Cable

Part Number	CBL-0483L CBL-PWCD-0160-IS	CBL-OTHR-1214-24	CBL-PWCD-0974	CBL-0191L	CBL-OTHR-1214-24
Qty	2 2	4	2	1	3
Description	29CM 30AWG SATA S/S CBL PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH	FAN cbl,1x4,M, to 1x4,F,14CM,3A/pin,22AWG,RoHS	48VDC input power cable, 2M, 12AWG, 3 wires, RoHS/REACH,RoHS	FRONT CTL CABLE 20 PIN TO 20 PIN W/TUBE,50CM,PBF	FAN cbl,1x4,M, to 1x4,F,14CM,3A/pin,22AWG,RoHS

Fan

Part Number	FAN-0207L4	FAN-0207L4
Qty	2	3
Description	40x40x56 mm, 13K-11K RPM,Counter-rotating, Hot- swappable Fan	40x40x56 mm, 13K-11K RPM,Counter-rotating, Hot- swappable Fan

Parts

Part Number	MCP-260-00099-0B	MCP-260-00078-0B
Qty	1	1
Description	1U Black I/O Shield for A2SDi-TP8F with EMI Gasket	1U I/O shield for X11 Server MB with 5X5mm vent hole and EMI Gasket, Black
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Air Shroud		
Part Number	MCP-310-51504-0B	
Qty	1	
Description	Mylar Air Shroud for SC515M + X11 SDW	
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Manual		
Part Number	MNL-2541-QRG	
Qty	1	
Description	110D-4C/8C/16C/20C-FRA(D)N8TP Quick Reference Guide	
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Power Supply		
Part Number	PWS-601D-1R	
Qty	2	
Description	-48V DC input, 12V and 5Vsb 600W output for 1U redundancy	
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Riser Card		
Part Number	RSC-S-6G4	
Qty	1	
Description	1U LHS Standard riser card with one PCI-E 4.0 x16 slot,HF,Ro	
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*Power Distributor		
Part Number	PDB-PT515M-2424	
Qty	1	
Description	1U support redundancy up to 800W for SC515M chassis with ATX	
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*Drive Tray(s)		
Part Number	MCP-220-00137-0N	
Qty	1	
Description	Dual 2.5 HDD bracket (bracket base follow std 2.5	
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*Rear Window		
Part Number	MCP-240-51505-0N	
Qty	1	
Description	Rear window for SC515M Redundant PWS chassis	
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*Front Panel		
Part Number	MCP-280-80901-0N	
Qty	1	
Description	SC809 FRONT CONTROL PANEL ASSY	
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*Rail Set		
Part Number	MCP-290-00102-0N	MCP-290-00108-0B
Qty	1set	1 set
Description	Outer rail, quick-release type, 25.6	Inner rail, front, short (quick) for 1U 17.2
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*Fan Holder		
Part Number	MCP-320-51501-0N	MCP-320-51502-0N
Qty	2	1
Description	1U hot-swap 4056 dummy fan tray for SC515M (no venting hole)	1U hot-swap 4056 fan tray for FAN-0207L4 in SC515M (with venting hole)

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.