

# IoT SuperServer SYS-110D-14C-FRAN8TP

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(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 800 W, 100-240 Vac

## Specifications

## Product SKUs

SuperServer **SYS-110D-14C-FRAN8TP** (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

800W Redundant Power  
Supplies with PMBus

## Dimension

### (W x H x L)

54.5 x 40 x 220 mm

### AC Input

100-127Vac / 50-60Hz  
200-240Vac / 50-60Hz

### DC Input

230-240Vdc

### +12V

Max: 62.5A / Min: 0A (100Vac-127Vac)  
Max: 66.6A / Min: 0A (200Vac-240Vac)  
Max: 66.6A / Min: 0A (230Vdc-240Vdc)

### 5V SB

Max: 4A / Min: 0A

## Output Type

Gold Finger Connector

## Certification



Platinum Level

[ [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-OTHR-1214-24	CBL-0191L	CBL-OTHR-1214-24	CBL-PWCD-0160-IS
Qty	2	4	1	3	2
Description	29CM 30AWG SATA S/S CBL	FAN cbl,1x4,M, to 1x4,F,14CM,3A/pin,22AWG,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	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH

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
<b>Parts</b>		
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
<b>Air Shroud</b>		
Part Number	MCP-310-51504-0B	
Qty	1	
Description	Mylar Air Shroud for SC515M + X11 SDW	
<b>Manual</b>		
Part Number	MNL-2541-QRG	
Qty	1	
Description	110D-4C/8C/16C/20C-FRA(D)N8TP Quick Reference Guide	
<b>Power Supply</b>		
Part Number	PWS-804P-1R	
Qty	2	
Description	1U 800W 100-240VAC/50-60Hz, and DC240V input	
<b>Riser Card</b>		
Part Number	RSC-S-6G4	
Qty	1	
Description	1U LHS Standard riser card with one PCI-E 4.0 x16 slot,HF,Ro	
<b>*Power Distributor</b>		
Part Number	PDB-PT515M-2424	
Qty	1	
Description	1U support redundancy up to 800W for SC515M chassis with ATX	
<b>*Drive Tray(s)</b>		
Part Number	MCP-220-00137-0N	
Qty	1	
Description	Dual 2.5 HDD bracket (bracket base follow std 2.5	
<b>*Rear Window</b>		
Part Number	MCP-240-51505-0N	
Qty	1	
Description	Rear window for SC515M Redundant PWS chassis	
<b>*Front Panel</b>		
Part Number	MCP-280-80901-0N	
Qty	1	
Description	SC809 FRONT CONTROL PANEL ASSY	
<b>*Rail Set</b>		
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
<b>*Fan Holder</b>		
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.