

# IoT SuperServer SYS-110D-8C-FRAN8TP

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## Key Applications

- Intel® QuickAssist Technology

## Key Features

1. Intel® Xeon® Processor D-2733NT, CPU TDP 80W
2. Up to 256GB Registered ECC RDIMM, DDR4-3200MHz; Up to 512GB LRDIMM LRDIMM, DDR4-3200MHz, in 4 DIMM slots
3. 2x Internal 2.5" drive bays(2x PCI-E 4.0 NVMe x8 SlimSAS and 1x OcuLink options)
4. 4x GbE, 2x 25G SFP28 and 2x 10G Base-T
5. 1x M.2 M-Key 2242/2280 (SATA/PCI-E 3.0 x4)
6. 5x 40x56mm Hot-swap Counter-rotation PWM Fans
7. Redundant 800 W, 100-240 Vac

# Specifications

## Chassis

|                    |                          |
|--------------------|--------------------------|
| <b>Form Factor</b> | ■ 1U Rackmount           |
| <b>Model</b>       | ■ <b>CSE-515M-R00NP2</b> |

## Dimensions and Weight

|                        |   |
|------------------------|---|
| <b>Height</b>          | ■ 1.7" (43mm)   |
| <b>Width</b>           | ■ 17.2" (437mm)   |
| <b>Depth</b>           | ■ 15.7" (399mm)   |
| <b>Package</b>         | ■ 7.9" (H) x 26.7" (W) x 23.8" (D)                                  |
| <b>Weight</b>          | ■ Net Weight: 18 lbs (8.16 kg)<br>■ Gross Weight: 29 lbs (13.15 kg) |
| <b>Available Color</b> | ■ Silver  |

## Front Panel

|                |  |
|----------------|--|
| <b>Buttons</b> | ■ Power On/Off<br>■ UID button   |
| <b>LEDs</b>    | ■ HDD activity<br>■ LAN1 activity<br>■ LAN2 activity<br>■ Power status<br>■ System information |

## Expansion Slots

|                            |                                     |
|----------------------------|-------------------------------------|
| <b>PCI-Express (PCI-E)</b> | ■ Slot 6: 1 PCIe PCI-E 4.0 x16 FHFL |
|----------------------------|-------------------------------------|

## Drive Bays / Storage

|                   |   |
|-------------------|---|
| <b>Drive Bays</b> | ■ 2x 2.5" SATA/PCIe drive bays                    |
| <b>M.2</b>        | ■ 1 M.2 NVMe OR 1 M.2 SATA3<br>■ M-Key, 2242/2280 |

## System Cooling

|             |   |
|-------------|---|
| <b>Fans</b> | ■ 5 Counter-rotating, Hot-swappable 40x40x56mm Fan(s) |
|-------------|---|

## Power Supply

800W Redundant AC 100-240V Power Supplies with PMBus

|                              |   |
|------------------------------|---|
| <b>Dimension (W x H x L)</b> | ■ 54.5 x 40 x 220 mm                    |
| <b>AC Input</b>              | ■ 600W: 100-240Vac / 5.5A-10A / 50-60Hz |

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Certification</b> | ■ [ <a href="#">Test Report</a> ] |
|----------------------|-----------------------------------|

## Operating Environment

**Product SKUs**

- SYS-110D-8C-FRAN8TP**
  - SuperServer SYS-110D-8C-FRAN8TP (**Silver**)

**Motherboard**

**Super X12SDV-8C-SPT8F**

**Processor**

- CPU**
  - Single FCBGA-2579
  - Intel® Xeon® Processor D-2700 Series
  - Support CPU TDP 80W

**System Memory**

- Memory**
  - Memory Capacity: 4 DIMM slots
  - Up to 256/512GB: ECC RDIMM/LRDIMM
  - Memory Type: 3200MHz 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

**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

### Parts List - (Items Included)

|                              | Part Number         | Qty   | Description  |
|------------------------------|---------------------|-------|--|
| <b>Motherboard / Chassis</b> | MBD-X12SDV-8C-SPT8F | 1     | Super X12SDV-8C-SPT8F Motherboard  |
|                              |                     | 1     | 1U Chassis   |
|                              | CSE-515M-R000NP2    |       |  |
| <b>Cable 1</b>               | CBL-0483L           | 2     | 29CM 30AWG SATA S/S CBL  |
| <b>Cable 2</b>               | CBL-OTHR-1214-24    | 2     | FAN cbl,1x4,M, to 1x4,F,14CM,3A/pin,22AWG,RoHS                             |
| <b>FAN 1</b>                 | FAN-0207L4          | 2     | 40x40x56 mm, 13K-11K RPM,Counter-rotating, Hot-swappable Fan               |
| <b>Parts</b>                 | MCP-260-00099-0B    | 1     | 1U Black I/O Shield for A2SDi-TP8F with EMI Gasket                         |
| <b>Air Shroud</b>            | MCP-310-51504-0B    | 1     | Mylar Air Shroud for SC515M + X11 SDW                                      |
| <b>Manual</b>                | MNL-2275-QRG        | 1     | 1019D-4C/14CN/16C-RA/DN13TP+ Quick Reference Guide                         |
| <b>Power Supply</b>          | PWS-804P-1R         | 2     | 1U 800W 100-240VAC/50-60Hz, and DC240V input                               |
| <b>Riser Card</b>            | RSC-S-6G4           | 1     | 1U LHS Standard riser card with one PCI-E 4.0 x16 slot,HF,Ro               |
| <b>*Power Distributor</b>    | PDB-PT515M-2424     | 1     | 1U support redundancy up to 800W for SC515M chassis with ATX               |
| <b>*Cable 3</b>              | CBL-0191L           | 1     | FRONT CTL CABLE 20 PIN TO 20 PIN W/TUBE,50CM,PBF                           |
| <b>*Cable 4</b>              | CBL-OTHR-1214-24    | 3     | FAN cbl,1x4,M, to 1x4,F,14CM,3A/pin,22AWG,RoHS                             |
| <b>*Cable 5</b>              | CBL-PWCD-0160-IS    | 2     | PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH                     |
| <b>*FAN 2</b>                | FAN-0207L4          | 3     | 40x40x56 mm, 13K-11K RPM,Counter-rotating, Hot-swappable Fan               |
| <b>*Drive Tray(s)</b>        | MCP-220-00137-0N    | 1     | Dual 2.5 HDD bracket (bracket base follow std 2.5                          |
| <b>*Rear Window</b>          | MCP-240-51505-0N    | 1     | Rear window for SC515M Redundant PWS chassis                               |
| <b>*Parts</b>                | MCP-260-00078-0B    | 1     | 1U I/O shield for X11 Server MB with 5X5mm vent hole and EMI Gasket, Black |
| <b>*Front Panel</b>          | MCP-280-80901-0N    | 1     | SC809 FRONT CONTROL PANEL ASSY   |
| <b>*Rail Set</b>             | MCP-290-00102-0N    | 1set  | Outer rail, quick-release type, 25.6" to 33.05"                            |
| <b>*Rail Set</b>             | MCP-290-00108-0B    | 1 set | Inner rail, front, short (quick) for 1U 17.2                               |
| <b>*Fan Holder</b>           | MCP-320-51501-0N    | 2     | 1U hot-swap 4056 dummy fan tray for SC515M (no venting hole)               |
| <b>*Fan Holder</b>           | MCP-320-51502-0N    | 1     | 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.