

IoT SuperServer SYS-110D-4C-FRDN8TP



More details here

Key Applications

Intel® QuickAssist Technology, Networking Application, Firewall, uCPE, Telecom Application,

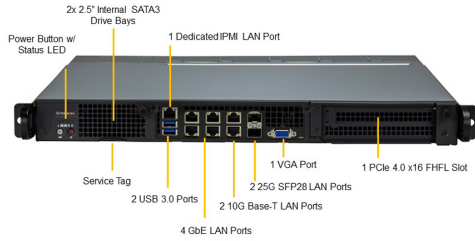
Key Features

- Intel® Xeon® Processor D-2712T, CPU TDP 65W;
- Up to 256GB Registered ECC RDIMM, DDR4-2667MHz; Up to 512GB LRDIMM LRDIMM, DDR4-2667MHz, in 4 DIMM slots;
- 2x Internal 2.5" drive bays(2x PCIe 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/PCIe 3.0 x4);
- 5x 40x56mm Hot-swap Counter-rotation PWM Fans;
- Redundant 600 W, -48 Vdc;



Form Factor	1U Rackmount Enclosure: 437 x 43 x 399mm (17.2" x 1.7" x 15.7") Package: 680 x 200 x 605mm (26.7" x 7.9" x 23.8")
Processor	Single FCBGA-2579 Intel® Xeon® Processor D-2700 Series
GPU	Max GPU Count: Up to 1 double-width or 1 single-width GPU(s) Supported GPU: NVIDIA PCIe: L4 CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect
System Memory	Slot Count: 4 DIMM slots Max Memory (1DPC): Up to 256GB/512GB 2667MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays	2x 2.5" SATA/PCIe drive bays 1 M.2 NVMe OR 1 M.2 SATA3 M-Key, 2242/2280
Expansion Slots	1 PCIe Gen 4 x16 FHFL slot(s)
On-Board Devices	Chipset: Intel® SoC Network Connectivity: 4x 1GbE BaseT with Intel® I350 2x 25GbE SFP28 with Intel® SOC 2x 10GbE BaseT with Intel® X550 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	LAN: 1 RJ45 Dedicated IPMI LAN port 4 RJ45 1Gbe Intel® I350 2 RJ45 10Gbe Intel® X550 2 SFP28 25Gbe Intel® SOC Video: 1 VGA port(s)

(Front View – System)



(Rear View – System)



System Cooling	Fans: 5 Counter-rotating, Hot-swappable 40x40x56mm Fan(s)
Power Supply	600W Redundant Typical 90%+ Level power supplies
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
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
Dimensions and Weight	Height: 1.7" (43 mm) Width: 17.2" (437 mm) Depth: 15.7" (399 mm) Gross Weight: 29 lbs (13.15 kg) Net Weight: 18 lbs (8.16 kg) Packaging: 7.9" (H) x 26.7" (W) x 23.8" (D) Available Color: Silver
Operating Environment	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)
Motherboard	Super X12SDV-4C-SPT8F
Chassis	CSE-515M-R000NP2

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis

Part Number	MBD-X12SDV-4C-SPT8F	CSE-515M-R000NP2
Qty	1	1
Description	Super X12SDV-4C-SPT8F Motherboard	1U Chassis

Cable

Part Number	CBL-0483L	CBL-OTHR-1214-24	CBL-PWCD-0974	CBL-0191L	CBL-PWCD-0160-IS
Qty	2	7	2	1	2
Description	7pin SATA (STR to STR), 29cm, PBF	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	PWCD,US,NEMAS-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH

Fan

Part Number	FAN-0207L4
Qty	5
Description	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

Air Shroud

Part Number	MCP-310-51504-0B
Qty	1
Description	Mylar Air Shroud for SC515M + X11 SDW

Manual

Part Number	MNL-2541-QRG
Qty	1
Description	110D-4C/8C/16C/20C-FRA(D)N8TP Quick Reference Guide

Power Supply

Part Number	PWS-601D-1R
Qty	2
Description	-48V DC input, 12V and 5Vsb 600W output for 1U redundancy

Riser Card

Part Number	RSC-S-6G4
Qty	1
Description	1U LHS Standard riser card with one PCIe 4.0 x16 slot,HF,Ro

*Power Distributor

Part Number	PDB-PT515M-2424
Qty	1
Description	1U support redundancy up to 800W for SC515M chassis with ATX

*Drive Tray(s)

Part Number	MCP-220-00137-0N
Qty	1
Description	Dual 2.5 HDD bracket (bracket base follow std 2.5

*Rear Window

Part Number	MCP-240-51505-0N
Qty	1
Description	Rear window for SC515M Redundant PWS chassis

*Front Panel

Part Number	MCP-280-80901-0N
Qty	1
Description	SC809 FRONT CONTROL PANEL ASSY

*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

*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.

Optional Parts List

SlimSAS x8 to PCIe 2x SFF-8639&PWR,G4,55CM,85OHM,Ro

Part Number	CBL-SAST-0953-1
Qty	1
Description	SlimSAS x8 to PCIe 2x SFF-8639&PWR,G4,55CM,85OHM,Ro