

IoT SuperServer SYS-110D-4C-FRAN8TP



More details here

Key Applications

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

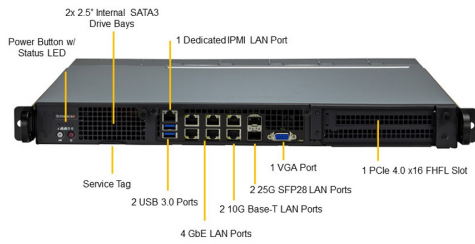
Key Features

- 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 800 W, 100-240 Vac;

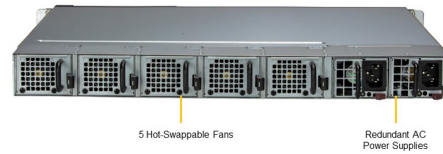


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|------------------|--|
| Form Factor | 1U Rackmount Enclosure: 437 x 43 x 399mm (17.2" x 1.7" x 15.7") Package: 680 x 200 x 605mm (26.7" x 7.9" x 23.8") |
| Processor | Single FCBGA-2579 Intel® Xeon® Processor D-2700 Series |
| GPU | Max GPU Count: 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)



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|-----------------------|--|
| System Cooling | Fans: 5 Counter-rotating, Hot-swappable 40x40x56mm Fan(s) |
| Power Supply | 800W Redundant Platinum 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-0191L | CBL-PWCD-0160-IS |
| Qty | 2 | 7 | 1 | 2 |
| Description | 7pin SATA (STR to STR), 29cm, PBF | FAN cbl,1x4,M, to 1x4,F,14CM,3A/pin,22AWG,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

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|-------------|--|
| Part Number | FAN-0207L4 |
| Qty | 5 |
| Description | 40x40x56 mm, 13K-11K RPM,Counter-rotating, Hot-swappable Fan |

Parts

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|-------------|--|--|
| 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

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

Manual

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

Power Supply

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|-------------|--|
| Part Number | PWS-804P-1R |
| Qty | 2 |
| Description | 1U 800W 100-240VAC/50-60Hz, and DC240V input |

Riser Card

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

*Power Distributor

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

*Drive Tray(s)

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

*Rear Window

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

*Front Panel

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

*Rail Set

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|-------------|--------------------------------------|--|
| 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

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|-------------|--|--|
| 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:

- Parts with * are inside the chassis
- 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

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