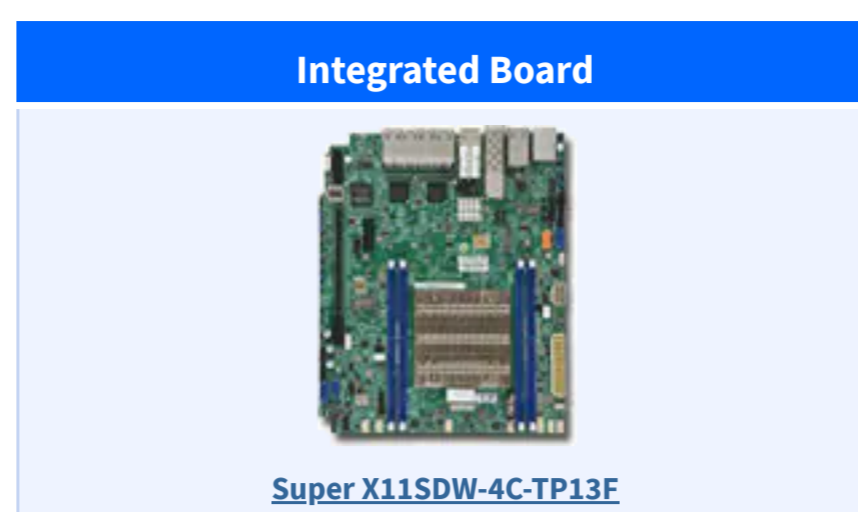


SuperServer 1019D-4C-FHN13TP



Views: | [Angled View](#) | [Top View](#) | [Front View](#) | [Rear View](#) |



Integrated Board

Super X11SDW-4C-TP13F

Key Applications

Multi-Access Edge Computing (MEC)
Centralized/Cloud Radio Access Network (C-RAN)
Universal Customer Premise Equipment (uCPE)
Software Defined WAN (SD-WAN)
Network Function Virtualization (NFV)
Artificial Intelligence (AI)

Key Features

1. Intel® Xeon® D-2123IT Processor, 4-Core, 8 Threads, 2.2 GHz, 60W
2. Up to 512GB ECC LRDIMM, up to 256GB reg. ECC RDIMM DDR4-2400Mz; in 4 DIMM slots
3. 2 PCI-E 3.0 x16 (FHFL) slots
4. 2 Hot-swap 2.5" drive bays, 2 Internal 2.5" SSD bays
5. 1 M-Key, 2280/22110, 1 E-Key, 2230, 1 B-Key, 3042
6. 9 GbE (1 port is used for management), 2x 10GbE, 2x 10G SFP+, and 1 Dedicated IPMI LAN ports
7. 2 USB 3.0, 1 VGA, 1 COM via RJ45
8. 350W AC-DC Multi-output Platinum Level Power Supply

- [Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Tested Memory](#) [Tested M.2 List](#) [Drive Options](#) [Manuals](#) [Quick-References Guide](#) [OS Certification Matrix](#)

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Specifications ^

| Product SKUs | |
|------------------------------|--|
| SYS-1019D-4C-FHN13TP | SuperServer 1019D-4C-FHN13TP (Black) |
| Motherboard | |
| Super X11SDW-4C-TP13F | |
| Processor | |
| CPU | Intel® Xeon® processor D-2123IT, CPU TDP support 80W |
| Cores / Cache | 4 Cores, 8 Threads |
| System Memory | |
| Memory Capacity | Up to 512GB DDR4 ECC LRDIMM Up to 256GB DDR4 ECC RDIMM 4 DIMM slots |
| Memory Type | 2666/2400/2133MHz ECC DDR4 L/RDIMM Operating speed up to 2400MHz |
| DIMM Sizes | 128GB, 64GB, 32GB, 16GB |
| Memory Voltage | 1.2 V |
| On-Board Devices | |
| Chipset | System on Chip (SoC) |
| SATA | SATA3 (6Gbps) ports via SoC controller |
| Network Controllers | Dual 10G SFP+ via SoC Dual 10GBase-T via Intel X557 8x 1GbE with Intel I350-AM4 Single 1GbE with Intel I210 |
| IPMI | Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support |
| Video | VGA via Aspeed AST2500 BMC |
| Input / Output | |
| SATA | 4 SATA3 (6Gbps) ports |
| LAN | 9 RJ45 Gigabit Ethernet LAN ports 2 RJ45 10GbE LAN ports 2 10G SFP+ LAN ports 1 RJ45 Dedicated IPMI LAN port |
| USB | 2 USB 3.0 ports (front) |
| Video | 1 VGA port |
| Serial Port / Header | 1 COM via RJ45 |
| System BIOS | |
| BIOS Type | 128Mb SPI Flash with AMI BIOS |
| Management | |
| Software | Intel® Node Manager IPMI 2.0 NMI SUM Watch Dog SuperDoctor® 5 |

| Chassis | |
|------------------------------------|---|
| Form Factor | 1U Rackmount |
| Model | CSE-513BTS-350WB |
| Dimensions and Weight | |
| Height | 1.7" (43mm) |
| Width | 17.2" (437mm) |
| Depth | 15" (381mm) |
| Package | 6.9" (H) x 19.5" (W) x 22.4" (D) |
| Weight | Gross Weight: 25 lbs (11.34 kg) Net Weight: 14 lbs (6.35 kg) |
| Available Colors | Black |
| Front Panel | |
| Buttons | Power On/Off button System Reset button |
| LEDs | Power LED Hard drive activity LED Network activity LEDs System Information LED |
| Expansion Slots | |
| PCI-Express | 2 PCI-E 3.0 x16 (FHFL) slots |
| M.2 | 1 M.2 M-Key , 2280/22110 1 M.2 E-Key , 2230 1 M.2 B-Key , 3042 |
| Drive Bays | |
| Hot-swap | 2 Hot-swap 2.5" drive bays |
| Internal | 2 Internal 2.5" SSD bays (optional) |
| System Cooling | |
| Fans | 4x 40x28mm PWM fans (up to 6) |
| Power Supply | |
| 350W AC power supply w/ PFC | |
| AC Voltage | 100-240 V, 50-60 Hz, 5.0-2.5 Amp |
| +5V | Max.: 15 Amp Min.: 0.2 Amp |
| +5V standby | Max.: 3 Amp Min.: 0 Amp |
| +12V | Max.: 29 Amp Min.: 0.5 Amp |
| -12V | Max.: 0.2 Amp Min.: 0 Amp |
| +3.3V | Max.: 12 Amp Min.: 0.2 Amp |
| Certification | Platinum Level Certified [Test Report] |
| Operating Environment / Compliance | |
| RoHS | RoHS Compliant |
| Environmental Spec. | Operating Temperature: 0°C to 45°C (32°F to 113°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 |
| Motherboard / Chassis | MBD-X11SDW-4C-TP13F | 1 | Super X11SDW-4C-TP13F Motherboard |
| | CSE-513BTS-350WB | 1 | 1U Chassis |
| Backplane | BPN-SAS3-826TQ-B2B | 1 | 2-port 2U SAS3 12Gbps backplane, support up to 2x 2.5-inch SAS3/SATA3 HDD/SSD |
| Cable 1 | CBL-0473L | 2 | SATA,INT,ROUND,ST-ST,21CM,30AWG |
| Cable 2 | CBL-CDAT-0662 | 1 | CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,61.5CM,28AWG |
| Cable 3 | CBL-CDAT-0850 | 1 | CBL,VGA,DB15/F,w/Bracket TO 2X8F/P2.54,50CM,28/30AWG,RoHS |
| Parts | MCP-260-00144-0B | 1 | 1U I/O Shield for X11SDW with EMI Gasket, Black |
| Air Shroud | MCP-310-51303-0B | 1 | Mylar Air shroud for SC513B + UP MB X11SDW |
| Riser Card | RSC-R1UW-2E16 | 1 | 1U LHS W/O Riser card with two PCI-E x16 slots |
| * Power Supply | PWS-350-1H | 1 | 1U Single AC-DC 350W Platinum Level, multiple output power supply (180mm) |
| * Cable 4 | CBL-0160L | 1 | NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt) |
| * Cable 5 | CBL-0335L | 1 | CBL,FRONT CNTL,20 TO 20 PIN,RA,RND TUBE,73CM,28AWG |
| * FAN 1 | FAN-0154L4 | 4 | 40x40x28 mm, 22.5K RPM, SC813MF Middle Cooling Fan,RoHS/REACH |
| * Drive Tray(s) | MCP-220-00180-0B | 2 | 2.5" New ID gen 3 hot-swap HDD tray with lock feature (with plastic bracket) |
| * Parts | MCP-260-00078-0B | 1 | 1U I/O shield for X11 Server MB with 5X5mm vent hole and EMI Gasket, Black |
| * Front Panel | MCP-280-80901-0N | 1 | SC809 FRONT CONTROL PANEL ASSY |
| * Rail Set | MCP-290-00102-0N | 1 set | Outer rail, quick-release type, 25.6" to 33.05" |
| * Rail Set | MCP-290-00108-0B | 1 set | Inner rail, front, short (quick) for 1U 17.2 |
| * Fan Holder | MCP-320-00060-0N | 1 | Fan tray for six 40x28 fans in SC813M (for X11DPL-i 12"x10.15") |
| * Parts | MCP-340-00001-01 | 2 | Dummy fan 40x28mm |

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 | | | |
|---------------------|------------------|-----|---|
| | Part Number | Qty | Description |
| Rack Bracket | MCP-290-00016-0N | - | 1U open rack bracket set for CSE-PT51L, MCP-290-00054-0N |
| HDD Bracket | MCP-220-00137-0N | - | Dual 2.5 HDD bracket (bracket base follow std 2.5" HDD screw holes) |
| Cable | CBL-0082L | - | Y SPLIT SATA POWER ADAPTER, PB FREE |
| Cable | CBL-0473L | - | 21CM 30AWG SATA CBL, S-S |

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