

SuperServer 1019C-FHTN8



Integrated Board



Super X11SCM-LN8F

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Key Features

- ☐ uCPE Network Appliance
- ☐ Network Security Appliance
- ☐ Virtualization

1. Single Socket H4 (LGA 1151) supports Intel® Xeon® processor E-2100 / E-2200 series, 8th Gen. Intel® Core™ i3 Processors, Intel® Celeron®, Intel® Pentium®
2. Intel® C246 chipset
3. Up to 128GB unbuffered ECC UDIMM, DDR4-2666MHz, 4 DIMM slots
4. 1 PCI-E 3.0 x16 (FHFL) slot
5. 2 Hot-swap 2.5" SATA3 drive bays, 2 Internal 2.5" SATA3 drive bays (SSD only)
6. **M.2 Interface:**
1 SATA/PCI-E 3.0 x4 and 1 PCI-E 3.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key
7. 8 GbE LAN ports, 1 Dedicated IPMI LAN
8. 2 USB 3.1, 2 USB 2.0, 1 VGA
9. 350W AC-DC multiple output Platinum Level Power Supply

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

Specifications

Product SKUs

- SYS-1019C-FHTN8** ■ SuperServer 1019C-FHTN8 (Black)

Motherboard

Super X11SCM-LN8F

Processor

- CPU** ■ Single Socket H4 (LGA 1151), CPU TDP support up to 80W
■ Support Intel® Xeon® processor E-2100 / E-2200 series, 8th Gen. Intel® Core™ i3 Processors, Intel® Celeron®, Intel® Pentium®

System Memory

- Memory Capacity** ■ 4 DIMM slots
■ Up to 128GB Unbuffered ECC UDIMM
- Memory Type** ■ 2666/2400/2133MHz ECC DDR4 SDRAM
- DIMM Sizes** ■ 32GB, 16GB, 8GB, 4GB
- Note** ■ 128GB system memory capacity will be available in 2019 through a published BIOS update.

On-Board Devices

- Chipset** ■ Intel® C246 chipset
- SATA** ■ Intel® C246 controller for SATA3 (6 Gbps) ports; RAID 0, 1, 5, 10
- IPMI** ■ Support for Intelligent Platform Management Interface v.2.0
■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
■ ASPEED AST2500 BMC
- Network Controllers** ■ Eight LAN with Intel® I210-AT
- Video** ■ VGA via Aspeed AST2500 BMC

Input / Output

- SATA** ■ 5 SATA3 (6Gbps) ports
- LAN** ■ 8 RJ45 Gigabit Ethernet LAN ports
■ 1 RJ45 Dedicated IPMI LAN port
- USB** ■ 2 USB 3.1 ports (front)
■ 2 USB 2.0 ports (front)
- Video** ■ 1 VGA port
- Serial Port / Header** ■ 1 COM port (option)

System BIOS

- BIOS Type** ■ UEFI 256Mb

Management

Chassis

- Form Factor** ■ 1U Rackmount

- Model** ■ **CSE-513BTQC-350B**

Dimensions and Weight

- Height** ■ 1.7" (43mm)
- Width** ■ 17.2" (437mm)
- Depth** ■ 15" (381mm)
- Package** ■ 8" (H) x 24" (W) x 27" (D)
- Weight** ■ Gross Weight: 14.1 lbs (6.4 kg)
■ Net Weight: 10.0 lbs (4.54 kg)
- Available Colors** ■ Black front panel with silver chassis

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** ■ 1 PCI-E 3.0 x16 (FHFL) slot
- M.2** ■ M.2 Interface: 1 SATA/PCI-E 3.0 x4 and 1 PCI-E 3.0 x4
■ M.2 Form Factor: 2280/22110
■ M.2 Key: M-Key

Drive Bays

- Hot-swap** ■ 2 Hot-swap 2.5" SATA3 drive bays
- Internal** ■ 2 Internal 2.5" SATA3 drive bays (SSD only)

System Cooling

- Fans** ■ 4x 40x28mm 4-pin PWM fans (optional: 2 additional fans)

Power Supply

350W AC power supply w / PFC

- AC Voltage** ■ 100-240 V, 50-60 Hz, 4.2-1.8 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]

Software

- Intel® Node Manager
 - IPMI 2.0
 - NMI
 - SSM, SPM, SUM
 - Watch Dog
 - SuperDoctor® 5
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Operating Environment / Compliance

RoHS

- RoHS Compliant
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Environmental Spec.

- Operating Temperature:
0°C to 40°C (32°F to 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)
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Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SCM-LN8F	1	Super X11SCM-LN8F Motherboard
	CSE-513BTQC-350B	1	1U Chassis
Backplane	BPB-SAS3-826TQ-B2B	1	2-port 2U SAS3 12Gbps backplane, support up to 2x 2.5-inch SAS3/SATA3 HDD/SSD
Cable 1	CBL-0206L	2	SATA,INT,ROUND,ST-ST,48CM,26AWG
Cable 2	CBL-0296L	1	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable 3	CBL-CDAT-0662	1	CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,61.5CM,28AWG
Parts	MCP-150-00015-0B	1	Rubber pad, 3.0mm H, 10x10mm
Parts	MCP-260-00131-0B	1	1U I/O Shield for SC513B & X11SCL-LN4F with EMI Gasket, black color
Air Shroud	MCP-310-51302-0B	1	Mylar Air shroud for SC513B with UP X11SCM MB
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 with PIC-E x16 output
Heatsink / Retention	SNK-P0049P	1	1U Passive Enhanced Performance CPU Heat Sink for Intel Socket H Series Processors
* 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-sw ap 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.