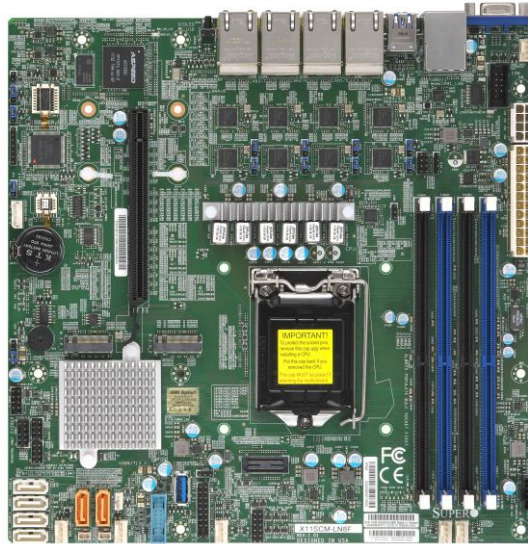


X11SCM-LN8F



Eight 1GbE RJ45

Key Features

1. 8th/9th Generation Intel® Core™i3/Pentium®/Celeron® Processor, Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor, Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 95W TDP
2. Intel® C246
3. 8 LAN with Intel® Ethernet Controller I210-AT
4. Up to 128GB Unbuffered ECC UDIMM, DDR4-2666MHz, in 4 DIMM slots
5. 1 PCI-E 3.0 x16
 - 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
 - Double Height Connector
6. Intel® C246 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10
7. 2 SuperDOM with built-in power
8. 5x USB 3.0 ports, 4x USB 2.0 ports
9. 1 VGA, 1 COM, 1 TPM

Specifications

Product SKUs

MBD-X11SCM-LN8F	<ul style="list-style-type: none"> X11SCM-LN8F
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Physical Stats

Form Factor	<ul style="list-style-type: none"> microATX
Dimension	<ul style="list-style-type: none"> 9.6" x 9.6" (24.38cm x 24.38cm)

Processor

CPU	<ul style="list-style-type: none"> 8th/9th Generation Intel® Core™ i3/Pentium®/Celeron® Processor, Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 95W TDP
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Core	<ul style="list-style-type: none"> Up to 8 cores, 16 threads
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Note	<ul style="list-style-type: none"> BIOS version 1.0b or above is required to support Intel® Xeon® E-2200 and 9th Generation Intel® Core™ i3/Pentium®/Celeron® Processors
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System Memory

Memory Capacity	<ul style="list-style-type: none"> 4 DIMM slots Up to 128GB ECC UDIMM, DDR4-2666MHz
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Memory Type	<ul style="list-style-type: none"> 2666/2400/2133MHz SDRAM 72-bit,
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DIMM Sizes	<ul style="list-style-type: none"> 4GB, 8GB, 16GB, 32GB
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Memory Voltage	<ul style="list-style-type: none"> 1.2V
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Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors
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On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® C246
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SATA	<ul style="list-style-type: none"> Intel® C246 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10
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IPMI	<ul style="list-style-type: none"> ASPEED AST2500
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Graphics	<ul style="list-style-type: none"> ASPEED AST2500 BMC
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Network Controllers	<ul style="list-style-type: none"> Octal LAN with Intel® Ethernet Controller I210-AT
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Input / Output

SATA	<ul style="list-style-type: none"> 6 SATA3 (6Gbps) port(s)
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LAN	<ul style="list-style-type: none"> 8 RJ45 Gigabit Ethernet LAN ports
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USB	<ul style="list-style-type: none"> 4 USB 2.0 port(s) (2 rear; 2 via header) 5 USB 3.1 Gen1 port(s) (2 via header; 2 rear; 1 type A)
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Expansion Slots

PCI-E	<ul style="list-style-type: none"> 1 PCI-E 3.0 x16
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M.2	<ul style="list-style-type: none"> M.2 Interface: 1 SATA/PCI-E 3.0 x4; 1 PCI-E 3.0 x4 Form Factor: 2280/22110 Key: M-Key Double Height Connector
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System BIOS

BIOS Type	<ul style="list-style-type: none"> 256MB UEFI
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BIOS Features	<ul style="list-style-type: none"> ACPI 6.0 SMBIOS 2.7 Plug and Play (PnP) RTC (Real Time Clock) Wakeup UEFI 2.7 USB Keyboard support PCI 3.0
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Management

Software	<ul style="list-style-type: none"> SuperDoctor® 5, NMI, SUM, SPM, Intel® Node Manager, SSM, IPMI2.0, Watchdog
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System Management Software	<ul style="list-style-type: none"> IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
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Power Configurations	<ul style="list-style-type: none"> ACPI Power Management
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PC Health Monitoring

Voltage	<ul style="list-style-type: none"> VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 6 -fan status, +5V standby, +5V, +3.3V, +12V, Memory Voltages
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LED	<ul style="list-style-type: none"> UID/Remote UID CPU / System Overheat LED
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Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support Thermal Monitor 2 (TM2) support PECI
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FAN	<ul style="list-style-type: none"> 6x 4-pin fan headers (up to 6 fans) Thermal control tachometer fan connectors Fan speed control 6 fans with tachometer status monitoring Overheat LED indication
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Other Features	<ul style="list-style-type: none"> WOL, UID, Node Manager Support, M.2 NGFF connector, Dual Cooling Zones, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, Chassis intrusion header, Chassis intrusion detection, ACPI power management
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Video Output	■ 1 VGA port(s)
Serial Port	■ 1 COM Port(s) (1 header)
TPM	■ 1 TPM Header

Operating Environment

Operating Temperature Range ■ 0°C - 50°C (32°F - 122°F)

Non-Operating Temperature Range ■ -40°C - 70°C (-40°F - 158°F)

Operating Relative Humidity Range ■ 8% - 90% (non-condensing)

Non Operating Relative Humidity Range ■ 5% - 95% (non-condensing)

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SCM-LN8F	1	X11SCM-LN8F Motherboard
I/O Cables	CBL-0044L • eStore	2	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00130-0N	1	STD I/O Shield for X11SCM-LN8F with EMI Gasket

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SCM-LN8F	1	X11SCM-LN8F Motherboard
I/O Cables	CBL-0044L • eStore	6	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00130-0N	1	STD I/O Shield for X11SCM-LN8F with EMI Gasket
QRG	MNL-2075-QRG	1	Motherboard Quick Reference Guide

Optional Parts List			
Name	Part Number	Qty	Description
1U I/O Shield	MCP-260-00132-0B	1	1U I/O Shield for X11SCM-LN8F with EMI Gasket (for standard 1U chassis: SC510, SC504, SC505)
	MCP-260-00131-0N	1	
TPM security module	AOM-TPM-9671H	1	SPI capable TPM 1.2 with Infineon 9670 controller with horizontal form factor SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor SPI capable TPM 1.2 with Infineon 9670 controller with vertical form factor SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor
	AOM-TPM-9670H	1	
	AOM-TPM-9671V	1	
	AOM-TPM-9670V	1	

Chassis (Optimized for X11SCM-LN8F)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	<ul style="list-style-type: none"> ● SC813MFTQC-R407CB SC515-R407 SC514-R407C SC113MTQ-R400CB SC512F-350B1 ● SC813MFTQC-350CB2 SC515-350 Heatsink:SNK-P0046P 	<ul style="list-style-type: none"> SC825TQC-R740LPB SC825TQC-R802LPB Heatsink:SNK-P0046A4 			

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Server (Optimized for X11SCM-LN8F)

Server Name

SYS-1019C-FHTN8

