


X11SSH-LN4F

Home > Products > Motherboards > [X11SSH-LN4F]



Key Features

- Single socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v6/v5, Intel® 7th/6th Gen. Core™ i3 series, Intel® Celeron® and Intel® Pentium®
- Intel® C236 chipset
- Up to 64GB Unbuffered ECC UDIMM DDR4 2400MHz; 4 DIMM slots
- Expansion slots:
1 PCI-E 3.0 x8 (in x16),
1 PCI-E 3.0 x8,
1 PCI-E 3.0 x4 (in x8)
- Quad GbE LAN with Intel® i210-AT
- 8 SATA3 (6Gbps) via C236; RAID 0, 1, 5, 10
- I/O: 1 VGA, 2 COM, TPM header
- Support Intel® VHD with selected CPU
- 5 USB 3.0 (2 rear, 2 via header(s), 1 Type A), 6 USB 2.0 (2 rear, 4 via header(s))
- M.2 NGFF connector
M.2 Interface: PCI-E 3.0 x2
Form Factor: 2280
Key: M-Key
Double Height Connector

Links & Resources

- [Tested Memory List](#)
- [Tested HDD / SSD List](#)
- [Tested M.2 List](#)
- [Tested AOC List](#)
- [Motherboard Manual](#)
- [Quick Reference Guide](#)
- [Update Your BIOS](#)
- [BMC/IPMI Firmware](#)
- [Download the Latest Drivers and Utilities](#)
- [Download Driver CD](#)
- [OS Compatibility](#)



Specifications

Product SKUs	
MBD-X11SSH-LN4F	■ X11SSH-LN4F
Physical Stats	
Form Factor	■ Micro-ATX
Dimensions	■ 9.6" x 9.6" (24.38cm x 24.38cm)
Processor/Cache	
CPU	<ul style="list-style-type: none"> Intel® 7th/6th Generation Core i3 series, Intel® Celeron®, Intel® Pentium®, Intel® Xeon® processor E3-1200 v6/v5. Single Socket H4 (LGA 1151) supported, CPU TDP support 80W
Note	■ BIOS version 2.0 or above is required to support 7th Generation Intel® Core™ i3 Processors and Intel® Xeon® Processor E3-1200 v6 series
System Memory	
Memory Capacity	■ 64GB Unbuffered ECC UDIMM, DDR4-2400MHz, in 4 DIMM slots
Memory Type	■ 2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs
DIMM Sizes	■ 4GB, 8GB, 16GB
Memory Voltage	■ 1.2V
Error Detection	■ Corrects single-bit errors
On-Board Devices	
Chipset	■ Intel® C236
SATA	■ Intel® C236 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	■ ASPEED AST2400 BMC
Network Controllers	■ Quad LAN with Intel® Ethernet Controller I210-AT
Graphics	■ Aspeed AST2400 BMC
Input / Output	
USB	<ul style="list-style-type: none"> ■ 6 USB 2.0 ports (2 rear + 4 headers) ■ 5 USB 3.0 ports (2 rear + 2 headers + 1 Type A)

Expansion Slots	
PCI-E	<ul style="list-style-type: none"> ■ 1 PCI-E 3.0 x8 (in x16 slot), ■ 1 PCI-E 3.0 x8, ■ 1 PCI-E 3.0 x4 (in x8 slot)
M.2	<ul style="list-style-type: none"> ■ M.2 Interface: PCI-E 3.0 x2 ■ Form Factor: 2280 ■ Key: M-Key ■ Double Height Connector
System BIOS	
BIOS Type	<ul style="list-style-type: none"> ■ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> ■ Plug and Play (PnP) ■ APM 1.2 ■ PCI 2.3 ■ DMI 2.3 ■ ACPI 1.0 / 2.0 / 3.0 / 4.0 ■ USB Keyboard support ■ Hardware BIOS Virus protection ■ SMBIOS 2.7.1 ■ UEFI 2.3.1
Management	
Software	<ul style="list-style-type: none"> ■ Intel® Node Manager, IPMI2.0, NMI, SPM, SSM, SUM, SuperDoctor® 5, Watchdog
Power Configurations	<ul style="list-style-type: none"> ■ ACPI Power Management ■ Power-on mode for AC power recovery
PC Health Monitoring	
Voltage	<ul style="list-style-type: none"> ■ +12V, +3.3V, +5V, +5V standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT
FAN	<ul style="list-style-type: none"> ■ 5x 4-pin fan headers (up to 5 fans), Fan speed control, Overheat LED indication, Thermal control tachometer fan connectors
Temperature	<ul style="list-style-type: none"> ■ PECL, Thermal Monitor 2 (TM2) support, Monitoring for CPU and chassis environment, CPU thermal trip support
LED	<ul style="list-style-type: none"> ■ CPU / System Overheat LED, UID/Remote UID
Other Features	<ul style="list-style-type: none"> ■ Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, M.2 NGFF connector, VHD, WOL
Operating Environment	

Video Output	▪ 1 VGA port
Serial Port / Header	▪ 2 COM Ports (1 rear, 1 header)
TPM	▪ TPM Header

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)

Note: For optimized or compatible chassis, additional parts may be required, please check with Supermicro sales rep

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SSH-LN4F	1	X11SSH-LN4F Motherboard
I/O Cables	CBL-0044L	2	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N	1	STD I/O Shield for X11SSH-LN4F with EMI Gasket

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SSH-LN4F	1	X11SSH-LN4F Motherboard
QRG	MNL-1778-QRG	1	Motherboard Quick Reference Guide
I/O Cables	CBL-0044L	6	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N	1	STD I/O Shield for X11SSH-LN4F with EMI Gasket

Chassis (Optimized for X11SSH-LN4F)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	<ul style="list-style-type: none"> ● SC813MFTQC-505CB ● SC813MFTQ-R400CB ● SC512F-350B ● SC113MFAC2-R606CB ● SC113MFAC2-341CB ● SC813MTQ-350CB ● SC813MFTQC-350CB ● SC815TQ-563CB 1U Heatsink:SNK-P0046P 	<ul style="list-style-type: none"> ● SC825TQ-R720LPB ● SC213LT-600LPB ● SC823TQ-653LPB 2U Heatsink:SNK-P0046A4 	<ul style="list-style-type: none"> ● SC833T-653B 2U Heatsink:SNK-P0046A4 	<ul style="list-style-type: none"> ● SC731i-403B SC731i-300B SC731D-300B SC732D3-1200B SC732I-500B SC731i-300B 2U Heatsink:SNK-P0046A4 	<ul style="list-style-type: none"> SC743AC-1200B-SQ SC745BAC-R1K28B2 SC842TQ-665B SC842i-500B 2U 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 X11SSH-LN4F)

Server Name
SYS-5019S-MN4

Terms & Conditions | Privacy | Investor Relations | Jobs | Site Map

SuperServer® | Motherboard | Chassis | Rack Cabinet | SuperBlade® | Embedded | Networking | Storage | Accessories | AMD Solution | Power Supplies

Copyright © 2019 Super Micro Computer, Inc.

Information in this document is subject to change without notice.

Other products and companies referred to herein are trademarks or registered trademarks of their respective companies or mark holders.