

X11SSL-CF

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Key Features



1. 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®
2. Intel® C232 chipset
3. Up to 64GB Unbuffered ECC UDIMM DDR4 2400MHz; 4 DIMM slots
4. Expansion slots:
1 PCI-E 3.0 x8 (in x16),
1 PCI-E 3.0 x4 (in x8),
1 PCI-E 3.0 x1
5. Dual GbE LAN with Intel® i210-AT
6. 6 SATA3 (6Gbps) via C232; RAID 0, 1, 5, 10
7. 8 SAS3 (12Gbps) via Broadcom® 3008 SW controller; RAID 0, 1, 10
8. I/O: 1 VGA, 2 COM, TPM header
9. 2 SuperDOM with built-in power
10. 5 USB 3.0 (2 rear, 2 via header(s), 1 Type A), 6 USB 2.0 (2 rear, 4 via header(s))

Links & Resources

- ▶ [Tested Memory List](#)
- ▶ [Tested HDD / SSD List](#)
- ▶ [Tested AOC List](#)
- ▶ [Motherboard Manual](#)
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Specifications

Product SKUs

MBD-X11SSL-CF ■ X11SSL-CF

Physical Stats

Form Factor ■ Micro-ATX

Dimensions ■ 9.6" x 9.6" (24.38cm x 24.38cm)

Processor/Cache

CPU ■ 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® C232

SATA ■ Intel® C232 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10

SAS ■ LSI3008 controller for 8 SAS3 (12Gbps) ports; RAID 0,1,10

IPMI ■ ASPEED AST2400 BMC

Network Controllers ■ Dual LAN with Intel® Ethernet Controller I210-AT

Graphics ■ Aspeed AST2400 BMC

Input / Output

USB ■ 6 USB 2.0 ports (2 rear + 4 headers)
■ 5 USB 3.0 ports (2 rear + 2 headers + 1 Type A)

Video Output ■ 1 VGA port

Serial Port / Header ■ 2 COM Ports (1 rear, 1 header)

TPM ■ TPM Header

Expansion Slots

PCI-E ■ 1 PCI-E 3.0 x8 (in x16 slot),
■ 1 PCI-E 3.0 x4 (in x8 slot),
■ 1 PCI-E 3.0 x1

System BIOS

BIOS Type ■ 128Mb SPI Flash EEPROM with AMI BIOS

BIOS Features ■ ACPI 1.0 / 2.0 / 3.0 / 4.0
■ APM 1.2
■ DMI 2.3
■ Hardware BIOS Virus protection
■ PCI 2.3
■ Plug and Play (PnP)
■ SMBIOS 2.7.1
■ UEFI 2.3.1
■ USB Keyboard support

Management

Software ■ IPMI2.0, NMI, SSM, SUM, SuperDoctor® 5, Watchdog

Power Configurations ■ ACPI Power Management
■ Power-on mode for AC power recovery

PC Health Monitoring

Voltage ■ +12V, +3.3V, +5V, +5V standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT

FAN ■ 5x 4-pin fan headers (up to 5 fans), Fan speed control, Overheat LED indication, Thermal control tachometer fan connectors

Temperature ■ CPU thermal trip support, Monitoring for CPU and chassis environment, PECI, Thermal Monitor 2 (TM2) support

LED ■ UID/Remote UID, CPU / System Overheat LED

Other Features ■ Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, WOL

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)

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-X11SSL-CF	1	X11SSL-CF 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 X11SSL-CF with EMI Gasket

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SSL-CF	1	X11SSL-CF Motherboard
QRG	MNL-1782-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 X11SSL-CF with EMI Gasket

Chassis (Optimized for X11SSL-CF)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	<div>● SC813MFTQC-505CB</div> <div>● SC813MFTQ-R400CB</div> <div>● SC113MFAC2-605CB</div> <div>● SC113MFAC2-R606CB</div> <div>SC512F-350B</div> <div>SC813MTQ-350CB</div> <div>● SC813MFTQC-350CB</div> <div>1U Heatsink:SNK-P0046P</div>	<div>● SC823TQ-653LPB</div> <div>● SC825TQ-R720LPB</div> <div>● SC213LT-600LPB</div> <div>2U Heatsink:SNK-P0046A4</div>	<div>● SC833T-653B</div> <div>2U Heatsink:SNK-P0046A4</div>	<div>SC731i-300B</div> <div>SC732I-500B</div> <div>SC731i-403B</div> <div>SC731D-300B</div> <div>SC732D3-1200B</div> <div>SC732D3-903B</div> <div>SC732D4-903B</div> <div>SC732D4F-903B</div> <div>SC733TQ-668B</div> <div>SC733TQ-500B</div> <div>2U Heatsink:SNK-P0046A4</div>	<div>SC842TQ-665B</div> <div>SC842i-500B</div> <div>SC743AC-1200B-SQ</div> <div>SC743TQ-1200B</div> <div>SC743TQ-865B</div> <div>SC743TQ-903B</div> <div>SC745BAC-R1K28B2</div> <div>SC745BTQ-R1K28B</div> <div>2U Heatsink:SNK-P0046A4</div>

● = Most optimized Chassis for SuperServer Configuration
Blue color = Compatible
Green color = Global SKU & Compatible
Red dot & green color = Optimized + Global SKU

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