

X11SSL



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 x8,
 - 1 PCI-E 3.0 x4 (in x8)
5. 6 SATA3 (6Gbps) via C232; RAID 0, 1, 5, 10
6. 2 SuperDOM with built-in power
7. 5 USB 3.0 (2 rear, 2 via header(s), 1 Type A), 6 USB 2.0 (2 rear, 4 via header(s))
8. I/O: 1 VGA, 1 COM, TPM header

Specifications

Product SKUs

MBD-X11SSL	▪ X11SSL
-------------------	----------

Physical Stats

Form Factor	▪ Micro-ATX
--------------------	-------------

Dimension	▪ 9.6" x 9.6" (24.38cm x 24.38cm)
------------------	-----------------------------------

Processor

CPU	<ul style="list-style-type: none"> ▪ Intel® Celeron®, Intel® Pentium®, Intel® 7th/6th Generation Core i3 series, Intel® Xeon® processor E3-1200 v6/v5 ▪ Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 80W TDP
------------	--

System Memory

Memory Capacity	<ul style="list-style-type: none"> ▪ 4 DIMM slots ▪ 64GB ECC UDIMM, DDR4-2400MHz
------------------------	--

Memory Type	▪ 2400/2133/1866/1600MHz SDRAM 72-bit, 288-pin 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
-------------	--

Graphics	▪ ASPEED AST1400
-----------------	------------------

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

Input / Output

USB	<ul style="list-style-type: none"> ▪ 3 USB 3 port(s) (1 Type A; 2 via header) ▪ 6 USB 2.0 port(s) (4 via header; 2 rear) ▪ 2 USB 3.0 port(s) (2 rear)
------------	--

Video Output	▪ 1 VGA port(s)
---------------------	-----------------

Serial Port	▪ 1 COM Port(s) (1 rear)
--------------------	--------------------------

TPM	▪ 1 TPM Header
------------	----------------

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)
--------------	---

System BIOS

BIOS Type	▪ 128MB SPI Flash EEPROM with AMI BIOS
------------------	--

BIOS Features	<ul style="list-style-type: none"> ▪ 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	▪ SuperDoctor® 5, NMI, <u>SSM</u> , Watchdog
-----------------	--

Power Configurations	▪ Power-on mode for AC power recovery, ACPI Power Management
-----------------------------	--

PC Health Monitoring

Voltage	<ul style="list-style-type: none"> ▪ VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chassis intrusion header, +5V standby, +5V, +3.3V, +12V
----------------	--

LED	<ul style="list-style-type: none"> ▪ UID/Remote UID ▪ CPU / System Overheat LED
------------	---

Temperature	<ul style="list-style-type: none"> ▪ Monitoring for CPU and chassis environment ▪ CPU thermal trip support ▪ Thermal Monitor 2 (TM2) support ▪ PECI
--------------------	---

FAN	<ul style="list-style-type: none"> ▪ 5x 4-pin fan headers (up to 5 fans) ▪ Thermal control tachometer fan connectors ▪ Fan speed control ▪ Overheat LED indication
------------	--

Other Features	<ul style="list-style-type: none"> ▪ WOL ▪ CPU thermal trip support for processor protection ▪ Control of power-on for recovery from AC power loss
-----------------------	---

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-X11SSL	1	X11SSL Motherboard
I/O Cables	CBL-0044L • <i>eStore</i>	2	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N • <i>eStore</i>	1	STD I/O Shield for X11SSL with EMI Gasket

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SSL	1	X11SSL Motherboard
I/O Cables	CBL-0044L • <i>eStore</i>	6	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N • <i>eStore</i>	1	STD I/O Shield for X11SSL with EMI Gasket
QRG	MNL-1785-QRG	1	Motherboard Quick Reference Guide

Chassis (Optimized for X11SSL)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	<u>SC813MTQ-350CB</u> <u>SC512L-200B</u> ● <u>SC510-203B</u> ● <u>SC113MFAC2-R606CB</u> ● <u>SC813MFTQ-R400CB</u> <u>SC811TQ-441B</u> ● <u>SC813MFTQC-350CB</u> ● <u>SC813MFTQC-505CB</u> ● <u>SC113MFAC2-341CB</u> <u>SC512F-350B</u> Heatsink:SNK-P0046P	● <u>SC213LT-600LPB</u> ● <u>SC823TQ-653LPB</u> <u>SC825TQC-R802LPB</u> <u>SC825TQ-R720LPB</u> Heatsink:SNK-P0046A4	● <u>SC833T-653B</u> Heatsink:SNK-P0046A4	<u>SC731i-300B</u> ● <u>SC731i-403B</u> <u>SC732D4F-903B</u> <u>SC732D3-1200B</u> <u>SC732I-500B</u> <u>SC732i-865B</u> <u>SC732D4-903B</u> <u>SC733TQ-668B</u> Heatsink:SNK-P0046A4	<u>SC842TQ-665B</u> <u>SC842i-500B</u> <u>SC743AC-1200B-SQ</u> <u>SC745BAC-R1K28B2</u> Heatsink:SNK-P0046A4

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

