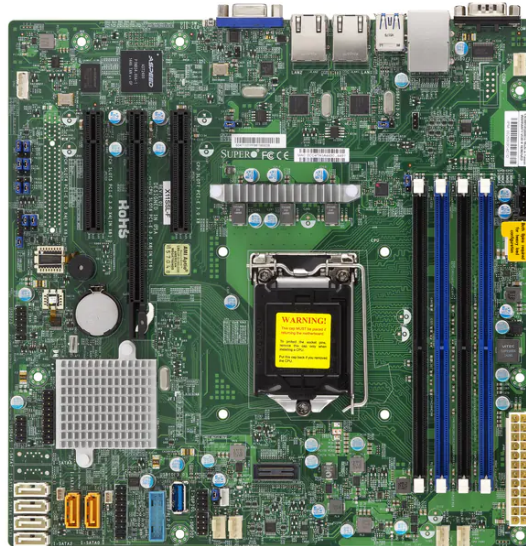


# X11SSL-F

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## 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® C232 chipset

Up to 64GB Unbuffered ECC UDIMM DDR4 2400MHz; 4 DIMM slots

Expansion slots:

1 PCIe 3.0 x8 (in x16),

1 PCIe 3.0 x8,

1 PCIe 3.0 x4 (in x8)

Dual GbE LAN with Intel® i210-AT

6 SATA3 (6Gbps) via C232; RAID 0, 1, 5, 10

Integrated IPMI 2.0 and KVM with Dedicated LAN

2 SuperDOM with built-in power

5 USB 3.0 (2 rear, 2 via header(s), 1 Type A), 6 USB 2.0 (2 rear, 4 via header(s))

I/O: 1 VGA, 1 COM, TPM header

## Optimized Servers

[SYS-5019S-L](#)

[SYS-5039D-I](#)

## Specifications

**Product SKUs****MBD-X11SSL-F****Physical Stats****Form Factor**

Micro-ATX

**Dimension**

9.6" x 9.6" (24.38cm x 24.38cm)

**Processor****CPU**

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

**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**

4 DIMM slots

64GB Unbuffered ECC UDIMM, DDR4-2400MHz

**Memory Type**

2400/2133/1866/1600 MT/s 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

**IPMI**

ASPEED AST2400 BMC

**Graphics**

1 ASPEED AST2400 BMC port(s)

**Network Controllers**

Dual LAN with Intel® Ethernet Controller I210-AT

**Input / Output****USB**

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****PCIe**

1 PCIe 3.0 x8 (in x16 slot),

1 PCIe 3.0 x8,

1 PCIe 3.0 x4 (in x8 slot)

**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**SuperDoctor® 5, NMI, SUM, SSM, IPMI2.0, Watchdog**Power Configurations**

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

**PC Health Monitoring****Voltage**

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

**LED**

UID/Remote UID

CPU / System Overheat LED

**Temperature**

Monitoring for CPU and chassis environment

CPU thermal trip support

Thermal Monitor 2 (TM2) support

PECI

**FAN**

5x 4-pin fan headers (up to 5 fans)

Thermal control tachometer fan connectors

Fan speed control

Overheat LED indication

**Other Features**

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

## Standard Parts (Bulk Package)

### I/O Cables

Part Number CBL-0044L • [eStore](#)  
Qty 2  
Description 57.5CM SATA FLAT S-S  
PBF

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### I/O Shield

Part Number MCP-260-00042-0N •  
[eStore](#)  
Qty 1  
Description STD I/O Shield for  
X11SSL-F with EMI  
Gasket

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## Standard Parts (Retail Package)

### I/O Cables

Part Number CBL-0044L • [eStore](#)  
Qty 6  
Description 57.5CM SATA FLAT S-S  
PBF

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### I/O Shield

Part Number MCP-260-00042-0N •  
[eStore](#)  
Qty 1  
Description STD I/O Shield for  
X11SSL-F with EMI  
Gasket

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### QRG

Part Number MNL-1785-QRG  
Qty 1  
Description Motherboard Quick  
Reference Guide

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