



X8SIU-F

Products ▶ Motherboards ▶ **Archived (EOL)** ▶ [X8SIU-F]



Key Features

1. Intel® Xeon® X3400 / L3400 series, Core™ i3 & Pentium® processors with LGA 1156 socket
2. Intel® 3420 Chipset
3. Up to 32GB DDR3 1333/1066/800MHz ECC Registered DIMM or 16GB Unbuffered DIMM
4. Dual Intel® 82574L Gigabit Ethernet Controllers
5. 6x SATA (3 Gbps) Ports
RAID 0, 1, 5, 10 (Windows)
6. 1 (x16) PCI-E 2.0 or
2 (x8) PCE-E 2.0 + 1 UIO slot
1 (x4) PCI-E 2.0 (using x8 slot)
7. Integrated IPMI 2.0 with Dedicated LAN
8. 7x USB
(2 rear, 1 on-board, 4 by headers)
9. TPM 1.2 by 20-pin header (Optional)

Links & Resources

- ▶ [Tested Memory List](#)
- ▶ [Tested HDD List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Update Your BIOS](#)
- ▶ [IPMI Firmware](#)
- ▶ [Download the Latest Drivers and Utilities](#)
- ▶ [Download Driver CD](#)

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.

MBD-X8SIU-F -O ■ X8SIU-F (Standard Retail Pack)

MBD-X8SIU-F -B ■ X8SIU-F (Bulk Pack)

Physical Stats

Form Factor ■ Proprietary

Dimensions ■ 8" x 13" (20.32cm x 33.02cm)

Processor/Cache

CPU

- LGA 1156 Socket
- Intel® Xeon® X3400 series
- Intel® Xeon® L3400 series
- Intel® Core™ i3
- Intel® Pentium® G6950
- Intel® Celeron® G1101

System Memory

Memory Capacity

- 6x 240-pin DDR3 DIMM slots
- Supports up to 32 GB DDR3 ECC Registered memory (RDIMM) in 6 DIMM slots
- Supports up to 16 GB DDR3 ECC Unbuffered memory (UDIMM) in 4 DIMM slots
- 1333 / 1066 / 800 MHz
- Dual Core processors of Ci3 and Pentium: support ECC UDIMM only
- Note: Supports 1-Gb and 2-Gb x8 devices only - Intel 3420 / 3400 Chipset Memory Requirements

Note

- All X3400 series and L3426 CPU support RDIMM and UDIMM
- All i3 series, L3406, G6950, and G1101 CPU support UDIMM only

Memory Type

- 1333 / 1066 / 800 MHz ECC Registered / ECC Unbuffered DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

Chassis (Optimized for X8SIU-F)

1U Chassis

- [CSE-113TQ-560UB](#)
- [CSE-815TQ-563UB](#)
- [CSE-815TQ-R450UB](#)

Important Chassis Notes

- To support the new generation Intel® Xeon® processor-based motherboards, a [Revision K](#) chassis is recommended for most models. Please talk to your sales representative or follow the link for details.

Expansion Slots

PCI-E / UIO

- 1 (x16) PCI-E 2.0 or
2 (x8) PCI-E 2.0 + 1 UIO slot
- 1 (x4) PCI-E 2.0 (using x8 slot)

System BIOS

BIOS Type ■ 32Mb SPI Flash EEPROM with AMI BIOS

BIOS Features

- DMI 2.3
- PCI 2.3
- ACPI 1.0 / 2.0
- USB Keyboard support
- SMBIOS 2.3

Management

Software

- IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
- [SuperDoctor® III](#)
- Watch Dog

Power Configurations

- ACPI / ACPM Power Management
- Main Switch Override Mechanism
- Wake-On-LAN (WOL) header
- Keyboard Wakeup from Soft-Off
- Power-on mode for AC power recovery
- Internal/External modem ring-on

PC Health Monitoring

DIMM Sizes	<ul style="list-style-type: none"> 1GB, 2GB, 4GB, 8GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel® 3420 chipset
SATA	<ul style="list-style-type: none"> 6x SATA (3 Gbps) RAID 0, 1, 5, 10 support (Windows) RAID 0, 1, 10 support (Linux)
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support Nuvoton WPCM450 BMC
Network Controllers	<ul style="list-style-type: none"> Dual Intel® 82574L Gigabit Ethernet Controllers Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
VGA	<ul style="list-style-type: none"> Matrox G200eW 16MB DDR2
Super I/O	<ul style="list-style-type: none"> Nuvoton W83627DHG UBE
Clock Generator	<ul style="list-style-type: none"> CK505
Input / Output	
Serial ATA	<ul style="list-style-type: none"> 6 SATA ports 6 SATA hard drives supported
LAN	<ul style="list-style-type: none"> 2x RJ45 LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 1x USB rear ports 1x USB Type-A 2x USB internal header (4 ports) Total 7 USB 2.0 Compliant
VGA	<ul style="list-style-type: none"> 1x VGA port
Keyboard / Mouse	<ul style="list-style-type: none"> PS/2 keyboard and mouse ports
Serial Port / Header	<ul style="list-style-type: none"> 1x Fast UART 16550 serial port 1x internal header
Operating Environment	
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 10° to 35°C (50° to 95°F) Non-operating Temperature: -40° to 70°C (-40° to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5 to 95% (non-condensing)

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

Parts List

Parts List (Standard Retail Package)

	Part Number	Qty	Description
X8SIU-F	MBD-X8SIU-F	1	X8SIU-F Motherboard
I/O Cable 1	CBL-0044L	6	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00027-0N	1	STD I/O SHIELD FOR X8, H8, X7SB3 SERVER MB (3RD LAN + 4XLAN)
Manual	MNL-1223-QRG	1	X8SIU-F QUICK REFERENCE GUIDE

Note: Items in a Standard Retail Package may differ from items in a Standard Bulk Package.

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