

X8SIL-F

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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 / 16GB Unbuffered DIMM
4. Dual Intel® 82574L Gigabit Ethernet Controllers
5. 6x SATA (3 Gbps) Ports
RAID 0, 1, 5, 10
6. 2 (x8) PCI-Express 2.0,
1 (x4) PCI-Express (using x8 slot),
1 32-bit PCI slot
7. Integrated IPMI 2.0 with KVM and Dedicated LAN
8. 7x USB (2 rear, 1 on-board, 2 headers)

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	
MBD-X8SIL-F -O	▪ X8SIL-F (Standard Retail Pack)
MBD-X8SIL-F -B	▪ X8SIL-F (Bulk Pack)
Physical Stats	
Form Factor	▪ uATX
Dimensions	▪ 9.6" x 9.6" (24.4cm x 24.4cm)
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	▪ 4x 240-pin DDR3 DIMM slots ▪ Supports up to 32 GB DDR3 ECC Registered memory (RDIMM) ▪ Supports up to 16 GB DDR3 ECC Un-Buffered memory (UDIMM) ▪ 1333 / 1066 / 800 MHz ▪ Dual Core processors of C3 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
DIMM Sizes	▪ 1GB, 2GB, 4GB, 8GB
Memory Voltage	▪ 1.5 V
Error Detection	▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	▪ Intel® 3420 chipset
SATA	▪ 6x SATA (3 Gbps) ▪ RAID 0, 1, 5, 10 support (Windows) ▪ RAID 0, 1, 10 support (Linux)
IPMI	▪ 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	▪ 2x Intel® 82574L Gigabit Ethernet Controllers ▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output ▪ 1x Realtek RTL8201N PHY (dedicated IPMI)
VGA	▪ Matrox G200eW 16MB DDR2
Super I/O	▪ Winbond 83627DHG-P
Clock Generator	▪ CK505
Input / Output	
Serial ATA	▪ 6 SATA ports ▪ 6 SATA hard drives supported
LAN	▪ 2x RJ45 LAN ports ▪ 1x RJ45 Dedicated PMU LAN port
USB	▪ 2x USB rear ports ▪ 1x USB on-board ▪ 2x USB internal header (4 ports) ▪ Total 7 USB 2.0 Compliant
VGA	▪ 1x VGA port
Keyboard / Mouse	▪ PS/2 keyboard and mouse ports
Serial Port / Header	▪ 1x Fast UART 16550 serial port ▪ 1x internal header
Operating Environment / Compliance	
RoHS	▪ RoHS Compliant 6/6, Pb Free
Environmental Spec.	▪ 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)
I/O Panel	
▪ Please see this board's I/O Panel	
OS Compatibility	
▪ Please see our OS Compatibility Chart	

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
X8SIL-F	MBD-X8SIL-F	1	X8SIL-F Motherboard
I/O Cable 1	CBL-0044L	6	57.5CM SATA FLAT S-S PBF
I/O Cable 2	CBL-022L	1	ATX FLOPPY CABLE 3 HEADERS PB FREE
I/O Shield	MCP-260-00027-0N	1	STD I/O SHIELD FOR X8, H8, X7SB3 SERVER MB (3RD LAN + 4XLAN)
Manual	MNL-1130-ORG	1	X8SIL (-F)(-V) QUICK REFERENCE GUIDE

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