



X8STi-F

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Key Features

1. Intel® Core™ i7 / i7 Extreme Edition, and Intel® Xeon® 5600/5500/3600/3500 series processors (QPI up to 6.4 GT/s)
2. Intel® X58 Express Chipset
3. Up to 24GB DDR3 1333, 1066 & 800 ECC / non-ECC Un-Buffered DIMM
4. Dual Intel® 82574L Gigabit Ethernet Controller
5. 6x SATA (3.0Gbps) Ports RAID 0, 1, 5, 10
6. 1 (x16) PCI-Express 2.0, 1 (x8) PCI-Express, 1x 32-bit PCI Slot
7. Integrated IPMI 2.0 with Dedicated LAN
8. 8x USB (2 rear, 2 on-board, 2 headers)

Links & Resources

- ▶ [Tested Memory List](#)
- ▶ [Tested HDD / SSD 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-X8STi-F -O ■ X8STi-F (Standard Retail Pack)

MBD-X8STi-F -B ■ X8STi-F (Bulk Pack)

Physical Stats

Form Factor ■ ATX

Dimensions ■ 12" x 9.6" (30.5cm x 24.4cm)

Processor/Cache

CPU

- LGA 1366 Socket
- Intel® Core™ i7-980X, i7-975 and i7-965 Extreme Edition
- Intel® Core™ i7 series
- Intel® Xeon® 5600/5500 series
- Intel® Xeon® 3600/3500 series

System Bus ■ QPI (up to 6.4 GT/s)

System Memory

Memory Capacity

- Supports up to 24 GB 1333 / 1066 / 800MHz DDR3 ECC / non-ECC Un-Buffered memory
- Three Channel memory bus
- 6 DIMM sockets

Memory Type

- 1333 / 1066 / 800MHz Un-Buffered ECC / non-ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

DIMM Sizes ■ 256MB, 512MB, 1GB, 2GB, 4GB

Memory Voltage ■ 1.5 V

Error Detection

- Corrects single-bit errors
- Detects double-bit errors (using ECC memory)
- Supports Intel® x4 and x8 Single Device Data Correction (SDDC)

On-Board Devices

Chipset

- Intel® X58 Express chipset
- ICH10R

Chassis (Optimized for X8STi-F)

1U Chassis

- CSE-811TQ-280
- CSE-813MTQ-280C

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-Express

- 1 (x16) PCI-e 2.0 slot
- 1 (x8) PCI-e slot

PCI ■ 1x 32-bit PCI slot

System BIOS

BIOS Type ■ 32Mb SPI Flash EEPROM with AMI BIOS

BIOS Features

- DMI 2.3
- PCI 2.2
- 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
- NMI

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

Voltage

- Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
- 6-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V

SATA	<ul style="list-style-type: none"> Intel ICH10R SATA (3.0Gbps) Controller 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 Winbond® WPCM450 BMC
Network Controllers	<ul style="list-style-type: none"> 2x 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 16 MB DDR2
Super I/O	<ul style="list-style-type: none"> Winbond 83627DHG chip
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
Floppy	<ul style="list-style-type: none"> 1 Floppy controller; 1.44 MB
LAN	<ul style="list-style-type: none"> 2x RJ45 LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2x USB rear ports 2x USB on-board 2x USB internal header(4 ports) Total 8 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

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**

	Part Number	Qty	Description
X8STi-F	MBD-X8STi-F -O	1	X8STi-F Motherboard
I/O Cables	CBL-022L	1	ATX Floppy Cable
	CBL-0044L	6	2ft. Amphenol, SATA Cable
I/O Shield	MCP-260-00027-0N	1	Motherboard I/O Shield
Quick Reference Guide	MNL-1068-QRG	1	Quick Reference Guide

Optional Parts List

	Part Number	Qty	Description
Heat Sink	SNK-P0037P	-	1U Passive Heatsink for LGA1366 Socket
Heat Sink Bracket	BKT-0023L	-	Bracket for 1U passive heat sink (LGA 1366 socket)
Riser Card	RSC-RR1U-E16	-	1U PCI-E x16 Riser Card
	RSC-RR1U-E8	-	1U PCI-E x8 Riser Card

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

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