SUPERMICRO®

X7SBi

QUICK REFERENCE GUIDE Rev. 1.00

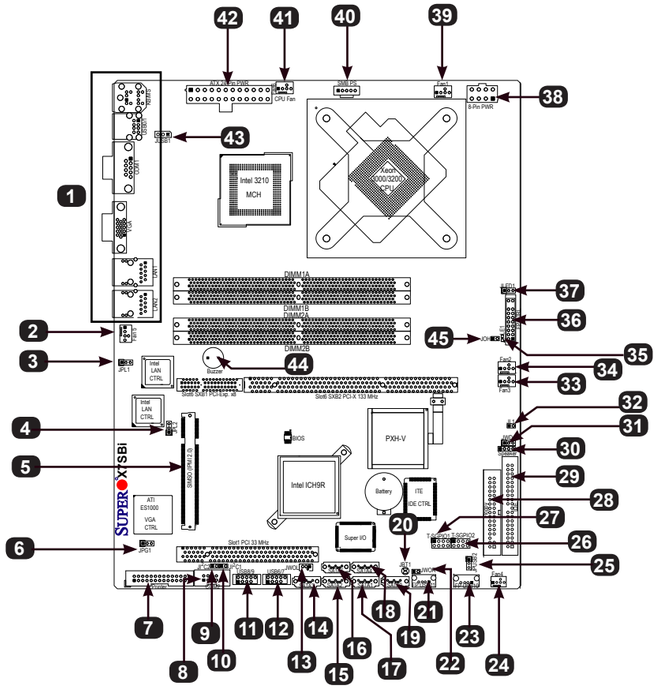
CONTACT INFORMATION

- www.supermicro.com (Email: support@supermicro.com)
- Manuals: http://www.supermicro.com/support/manuals
- Drivers & Utilities: ftp://ftp.supermicro.com
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS (Applies to individual-pack only)

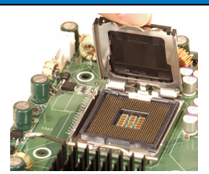
- One (1) Supermicro Motherboard
- Four (4) SATA Cables
- One (1) Floppy Drive Ribbon Cable
- One (1) I/O Shield
- One (1) Quick Reference Guide

Motherboard Layout and Features



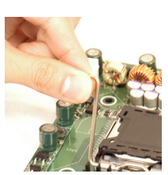
CPU Installation

1. Open socket cover



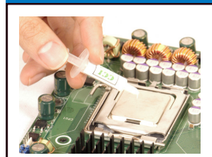
2. Insert CPU (Align Notches)

3. Close and secure lever.

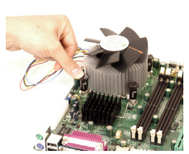


Heatsink Installation

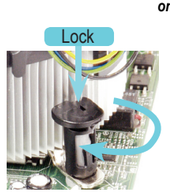
1. Apply thermal grease



2. Set heatsink on CPU



3. Twist to lock fasteners



Jumpers, Connectors and LED Indicators

Jumpers

Label	Jumper	Description	Default
20	JBT1	CMOS Clear	See Chapter 2 in the User's Manual
10,9	JI^{2}C1/JI^{2}C2	I^{2}C (SMB) Bus to PCI slots	Open/Open (Disabled)
6	JPG1	VGA Enable	Pins 1-2 (Enabled)
3,4	JPL1,JPL2	Giga-bit LAN 1/2 Enable	Open (Enabled)
43	JPUSB1	BP USB Wake Up (USB 0/1)	Pins 1-2 (Enabled)
25	JPUSB2	FP USB Wake Up(USB 2~7)	Pins 1-2 (Enabled)
31	JWD	Watch Dog	Pins 1-2 (Reset)

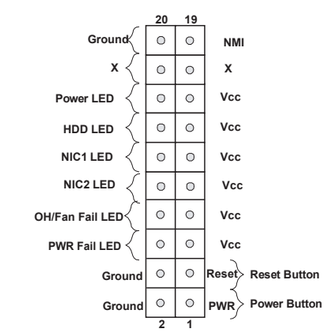
Connectors

Label	Connectors	Description
1	BP I/O	See Backpanel I/O Connectors, below right
8	COM2	COM 2 Header
39,34,33,24,2,41	Fans 1-6	System Fan Headers (Fans 1-5), Fan6: CPU Fan
28	Floppy	Floppy Disk Drive Connector
29	IDE	IDE Slot (Blue) (J3)
19,17,15,14,18,16	I-SATA0~5	SATA Ports
30	JD1	Speaker Connector
36	JF1	Front Panel Control Header
32	JL1	Chassis Intrusion Header
37	JLED1	Power LED Header
42	JPW1	ATX 24-Pin Power Connector
38	JPW2	12V 8-pin Power Connector (Required)
13	JWOL	Wake On LAN Header
22	JWOR	Wake On Ring Header
7	Printer	Parallel Port (Printer) Header
5	SIMSO IPMI	SIMSO IPMI 2.0 Socket
40	SMB_PS	Power Supply SMbus Header (I^{2}C)
44	SPK1	Internal Buzzer
27,26	T-SGPIO 1/2	Serial General Purpose Input/Output Headers 1/2
12,11	USB 6/7, 8/9	Front Panel Accessible USB Headers 6/7, 8/9(44, J45)
23,21	USB 10, 11	Front Panel (Onboard) USB Ports 10,11 (J47, J48)
45	JOH	System Overheat Header

LED Indicators

Label	LED	Description
35	LE1	Onboard Standby PWR warning LED Indicator

Front Panel Control (JF1)



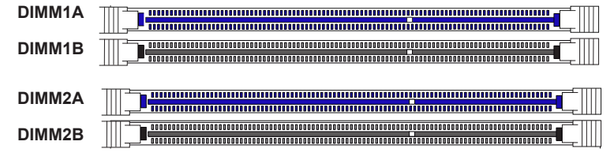
Memory Support

The X7SBi supports up to 8 GB of Dual channel, unbuffered ECC/Non-ECC DDR2 800/667 memory in 4 DIMM slots. Both interleaved and non-interleaved memory are supported, so you may populate any number of DIMM slots. (Populating DIMM1A, DIMM2A, then DIMM1B, DIMM2B with memory modules of the same size and of the same type will result in dual channel, two-way interleaved memory which is faster than the single channel, non-interleaved memory. When ECC memory is used, it may take 25-40 seconds for the VGA to display.)

***Note**: For memory optimization, use only DIMM modules that have been validated by Supermicro. For the latest memory updates, please refer to our website at http://www.supermicro.com/products/motherboard.*

DIMM Installation

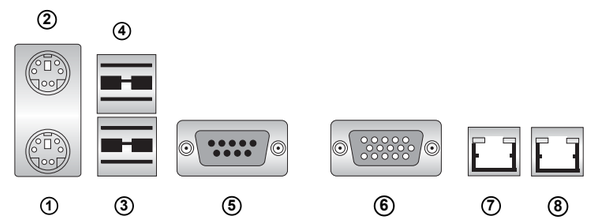
Towards the CPU



Towards the PCI slot on the motherboard

***Note:** Please populate in the following order: DIMM1A, DIMM2A, DIMM1B, DIMM2B.*

Back Panel I/O Connectors



1. Keyboard
2. PS/2 Mouse
3. USB Port 0
4. USB Port 1
5. COM 1
6. VGA
7. LAN1
8. LAN 2

***Note:** Graphics shown in this quick reference guide are for illustration only. Your components may or may not look exactly the same as drawings shown in this guide.*

***Note**: Refer to Chapter 2 of the User Manual for detailed information on jumpers, connectors, and LED indicators.*

***Note:** Refer to Chapter 2 of the User Manual for detailed information on memory support and CPU/ motherboard installation instructions.*

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