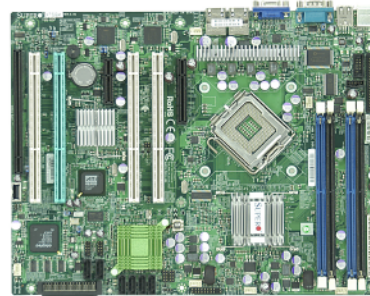


# SUPER<sup>®</sup> X7SB4/X7SBE Serverboard Specifications

1. Quad-core/Dual-core Intel<sup>®</sup> Xeon<sup>®</sup> 3000 Sequence supported
2. Intel 3210 chipset 1333/1066/800 MHz FSB
3. 8GB of Unb. ECC or non-ECC DDRII 667/800 SDRAM
4. 1 PCI-E x8, 4 PCI-X 133/100 & 1 PCI-E x4
5. Adaptec SCSI controller with host RAID 0, 1, 10 (X7SB4 only)
6. ATI ES1000 with 32MB DDRII Graphics
7. Intel ICH9R for 6 SATA (3 Gbps); RAID 0, 1, 5, 10
8. Intel 82573 V/L Gigabit Ethernet controllers
9. SIMLC slot for IPMI 2.0 server management



## Processor/Cache

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| Processor  | Quad-core/Dual-core Intel <sup>®</sup> Xeon <sup>®</sup> 3000 Sequence |
| Cache      | 4MB / L2 cache                                                         |
| System Bus | 1333/1066/800 MHz                                                      |

## Chipset

Intel<sup>®</sup> 3210 chipset  
PHX + Intel ICH9R + Intel 82573 V/L

## System Memory

|                 |                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------|
| Memory Capacity | Four DIMM sockets for up to 8 GB of Unb. ECC or non-ECC DDRII 667/800 memory (Memory must be populated in pairs) |
| Memory Type     | DDRII 667/800 SDRAM 72-bit ECC or non-ECC, 240-pin gold-plated DIMMs                                             |
| DIMM Sizes      | 2GB, 1GB, 512MB, 256MB                                                                                           |
| Memory Voltage  | 1.8V only                                                                                                        |
| Error Detection | Corrects single-bit errors                                                                                       |

## Integrated On-Board

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| SCSI                 | Adaptec 7901 Ultra 320 SCSI controller with host RAID 0, 1, 10 (X7SB4 only) |
| SATA; RAID           | Intel ICH9R for 6 SATA with host RAID 0, 1, 5, 10 support                   |
| LAN                  | Intel <sup>®</sup> 82573 V/L Gigabit Ethernet controller                    |
| VGA                  | ATI ES1000 with 32MB DDRII Graphics                                         |
| Super I/O controller | Winbond <sup>®</sup> 83627HF chip                                           |

## Input/Output

|                   |                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------|
| PCI-X/PCI Express | 1 PCI-E x8, 4 PCI-X 133MHz, 1 PCI-E x4                                                                   |
| SATA              | Six ports                                                                                                |
| USB               | Seven USB 2.0-compliant ports ( two USB rear connectors, four internal headers + One On-board connector) |
| Serial ports      | Two serial ports (1 port & 1 header)                                                                     |
| Floppy controller | 1.44MB support                                                                                           |
| Keyboard/Mouse    | Two PS/2 ports                                                                                           |

## Serverboard Management

|                      |                                                                                                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware             | Watch Dog, NMI, SIMLC 2.0 slot                                                                                                                                                                                  |
| Software             | Super <sup>®</sup> Doctor III, IPMI 2.0                                                                                                                                                                         |
| Thermal Control      | 4-pin PWM & 3-pin fan speed control & overheat LED indication                                                                                                                                                   |
| PC Health Monitoring | Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of three 4-pin fan headers with tachometer monitoring on 3 fans, supports system mangement utility, chassis intrusion header |
| Other Features       | ACPI power management, internal/external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2 & CPU thermal trip support for processor protection ST                     |
| BIOS                 | 16 Mb Flash ROM                                                                                                                                                                                                 |

## Mechanical

|                     |                      |
|---------------------|----------------------|
| Recommended Chassis | 1U, 2U, 3U, 4U/Tower |
| Serverboard Size    | ATX 12" x 9.6"       |

Sep 26, 2007

For the most current product information, visit: [www.supermicro.com](http://www.supermicro.com)

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