Intel® Server Board SE7520BD2 User Guide

Figure 1. Intel® Server Board SE7520BD2

Feature	Description
Processors	Up to two Intel® Xeon™ processors with an FC-mPGA4 using Socket 604, and an 800-MHz Front Side Bus (FSB)
Memory	See Table 1
Chipset	Intel® E7520 chipset: • Supports 800 MHz Front Side Bus (FSB) • Intel® E7520 Memory Controller Hub (MCH) • Intel® 6700PXH 64-bit PCI Hub • Intel® 82801ER I/O Controller Hub5 (ICH-5R)
I/O Control	Super I/O controller chip that provides: • Two stacked and interchangeable PS/2 compatible keyboard/mouse ports • USB ports: See Table 1 • One external serial port on the rear I/O port area (Serial A) • One serial port header to provide a second, optional serial port (Serial B) • One IDE connector supporting up to two ATA-100 compatible devices • One standard floppy drive interface
Video	• Integrated on-board ATI Rage* XL SVGA video controller. • 8 MB SDRAM video memory • SVGA video port
Hard Disk Drive	• Two serial ATA 150 ports • Support for entry-level RAID functionality (LSI* Logic integrated mirroring and integrated striping) • See Table 1
LAN	• Dual integrated 10/100/1000 MB on-board Ethernet connectors 　　One Marvell* 88E8050 10/100/1000 LAN 　　One Intel® 82541PI 10/100/1000 LAN
Expansion Slots	Six full-length, full-height PCI expansion slots. • Slot 1 and Slot 2: PCI-X* 64-bit/100 MHz • Slot 3: PCI 32-bit/33MHz • Slot 4: PCI Express* x8 with x4 speeds • Slot 5: PCI Express x8 (not on product codes SE7520BD2V and SE7520BD2VD2) • Slot 6: PCI-X* 64-bit/133-MHz
Fans	• Six multi-speed system fan headers. • Two single-speed CPU fan headers.
Server Management	• National Semiconductor* PC87431M controller to provide monitoring, alerting and logging of critical sensor information. • Intel® Light-Guided Diagnostics on critical FRU devices, such as processors, memory, and power (not on product codes SE7520BD2V and SE7520BD2VD2) • Custom front panel LCD connectors for use with the Intel® Local Control Panel • Intel® Management Module Professional or Advanced
Form Factor	• SSI-EEB3.5 compliant form factor • Board size 12 inches by 13 inches