

12 Make System Connections

• Front Panel USB and Ribbon Cables

- Route front panel **USB** cable as shown and connect to server board.
- Route front panel **ribbon** cable as shown and connect to server board.
Note: Ribbon cable must lie flat under the air baffle.

13 Install SATA Power/Data Cable(s)

- Connect the P4 power cable to the SATA power adapter.
- Connect SATA power cable(s) to rear of installed SATA drive(s).
- Connect SATA data cable(s) to rear of installed SATA drive(s).
Note: Use the straight end as shown, the right-angle connector will be used in Step 14.

14 Finish Making SATA Cable Connections and Install the Power Supply Air Baffle

SATA Cable Server Board Connections

- Connect right angle SATA data cable end(s) to server board SATA connector(s).

Install Power Supply Air Baffle

The baffle is held in place by three snap-standoffs on the chassis floor.

- Install the power supply air baffle as shown and route cables according to the legend below and then snap the air baffle into place.

Note: Front tab of air baffle must fit into the drive bay cover prior to lowering into the chassis standoffs to ensure a proper fit.

Cables routing through TOP notch:
E SATA data cable(s)

Cables routing through BOTTOM notch:
A Slimline drive power cable
B Fixed drive SATA power adapter cable
C CD-ROM cable (optional)
D Floppy cable (optional)

Other cables that route under the blue baffle:
F Front Panel USB cable
G Front Panel ribbon cable

15 Attach Intrusion Switch Connector

The intrusion switch header is located at the rear corner of the server board, next to the power supply. Attach intrusion switch connector as shown.

16 Make Fan Module Power Connections

- Connect single fan power cable to server board connector as shown.
- Connect four dual fan power cables to server board connectors as shown.
Note: Red cable must face CPU.

17 Make System Connections

• Main Power Cable and CPU Power Cable

- Connect main power cable to server board as shown.
- Attach CPU power cable as shown.

System Cable Connections

The following legend is for REFERENCE only, and cable installations H - K are shown in subsequent steps.

- A** Power supply to rear of slimline drive ... drive power
- B** Power supply to SATA adapter cable ... drive power
- C** Rear of CD-ROM drive to server board IDE connector ... data
- D** Rear of floppy drive to server board "floppy" connector ... data
- E** Rear of SATA hard drive(s) to server board SATA connector(s) ... data
- F** Front panel module to server board connector ... USB
- G** Front panel module to server board connector ... ribbon/power
- H** Fan module to server board ... single fan power
- I** Fan module to server board ... dual fans power
- J** Power supply to server board ... +12V CPU power
- K** Power supply to server board ... main power

18 Install Add-in Riser (optional)

- Attach riser card to add-in bracket with two screws as shown.

Accessories and Order Codes	
Rail Kit	AXXHERAIL
Slimline Floppy	AXXSFLIPPY
Slimline CD	AXXSCD
DVD/CDR	AXXSVDCCDR

19 Install Add-in Card (optional)

- Install add-in card into add-in riser assembly as shown.
Note: Card edge must engage socket on riser bracket.
- Secure add-in card with screw as shown.

SATA Hot-Swap Backplane Kit	A1400SATAKIT
SCSI Hot-Swap Backplane Kit	A1400SCSIKIT
IU Bezel	ADWBZLACK
Fixed Drive SCSI Cable Kit	ABKSCSICABLE

A complete list of accessories and spares can be found at: www.intel.com/go/serverbuilder

20 Install Add-in Card Assembly

- Align the two hooks on the riser assembly with the slots at the back of the chassis.
- Press down uniformly until the two hooks engage the chassis back panel slots.
If a riser card is installed, it will seat into the matching socket on the server board.

Warning: If you have not installed a riser card, you must re-install the add-in card bracket to ensure proper cooling.

21 Install Processor Air Duct

Install processor air duct as shown. Use care to avoid pinching system cables.

22 Install Rack Handles

23 Affix Cover Label

Affix the board schematic label that shipped with your chassis to the underside of the server cover.

24 Install the Top Cover

- Place cover onto the chassis and slide forward until it latches.

25 Install Bezel (optional)

27 Software • Drivers, Firmware, and Operating System Installation

A. Confirm BIOS and FRU/SDR Versions
Look on the Server/System Management screen in the BIOS Setup Utility to determine the installed BIOS and FRU/SDR versions. Compare these to the versions at: <http://support.intel.com/support/motherboards/server/SE7221BK1-E/>. If new versions are available, update the BIOS and FRU/SDR on your server. See the User Guide on the Intel® Server Deployment Toolkit CD for update instructions.

B. Configure your Server with the Server Configuration Wizard
Boot to the Server Board SE7221BK1-E Intel® Server Deployment Toolkit CD. Select the Server Configuration Wizard to configure your server for remote server management. Unless you have downloaded a newer version of the FRU/SDR from the Web, use the Server Configuration Wizard also to load the FRU/SDR.

C. Configure your RAID Controller
Use the instructions provided with the RAID controller.

D. Install your Operating System
Use the instructions provided with the RAID controller and with the operating system.

E. Install Operating System Drivers
With the operating system running, insert the Intel® Server Deployment Toolkit CD. If using a Microsoft® Windows® operating system, the Express Installer will autoun and allow you to select the appropriate drivers to install. On other operating systems, browse the CD folders to locate and install the driver files.

F. Install Intel® Server Management 8 (optional)
With the operating system running, insert the Intel® Server Management 8 CD that came with your server board. On a Windows® operating system, the Setup program will auto-run. Follow the on-screen instructions. For installation details, see Getting Started with Intel® Server Manager 8, located on the ISM CD.

G. Install Intel® SmaRT Tool (optional)
With the operating system running, insert the Intel® Server Deployment Toolkit CD. The Express Installer will autoun. Click Intel® SmaRT Tool at the left side of the screen. Follow the on-screen instructions. For information about Intel® SmaRT Tool, see <http://developer.intel.com/design/servers/smarttool/index.htm>.

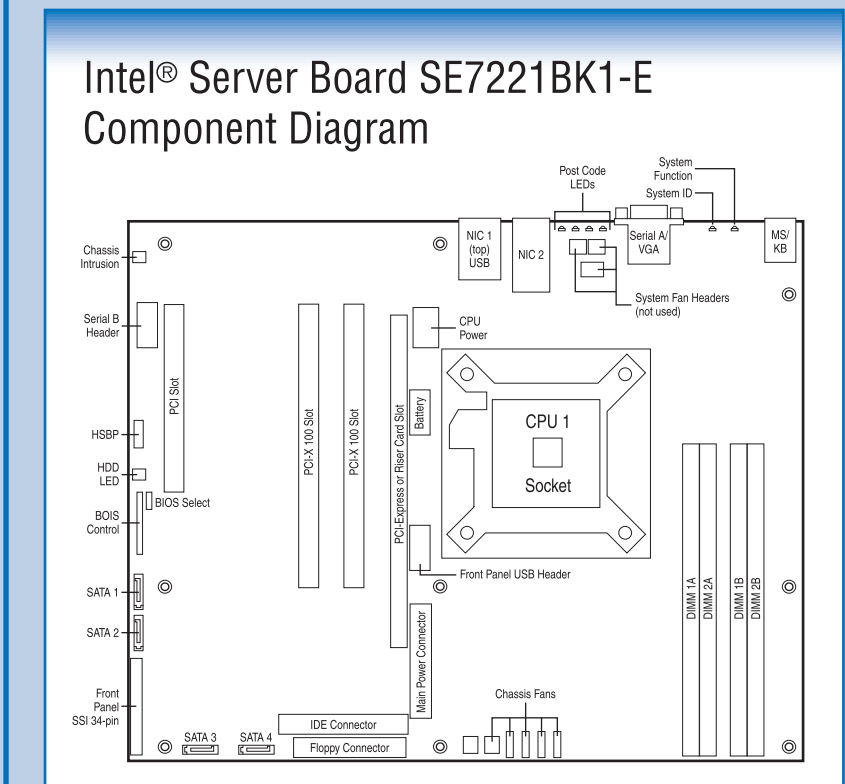
26 Finishing Up

Configuration Label
Attach the I/O labels to the outside top cover of your chassis.

Back Panel Connections
Before installing your operating system, you must finish your chassis installation, make I/O connections and plug in AC power.

- Replace the chassis cover.
- Connect your keyboard, mouse, video, and other I/O cables as shown.
- Connect the AC power cable last.

CAUTION: This unit must be operated with the TOP COVER installed to ensure proper cooling.



Reference

Standard Control Panel Controls and Indicators

- A** NIC2
- B** NIC1
- C** Power Button
- D** Power LED
- E** Hard Drive Activity LED
- F** Fault LED
- G** System ID LED
- H** System ID Button
- I** Reset Button
- J** USB
- K** NMI