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Make System Connections

• Main Power Cable and CPU Power Cable

A

Attach CPU power connector to the server board and route as shown.

B

Attach the main power connector to the server board.

Route main power and CPU power cables through the air baffle according to the following diagram:

• CPU power cable goes under bottom notch at rear of air baffle.

• Main power cable goes through bottom-center notch of air baffle.

CPU Power Cable

Server Board

Power Supply

Main Power Cable

Air Baffle

Bottom Notch

Tab

Go to Step 14 to finish air baffle installation.

A

Latch

Tab

CPU Power Connector

B

Main Power Connector

CAUTION: Note the location of the latch on each power cable connector and align it with the matching tab on each server board socket.

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Install the Power Supply Air Baffle

Cable Routing:

A

Route cables according to the diagram below. All cables should be in position before installing the air baffle.

Air Baffle Notches and Tabs Detail

Air Baffle

TOP Notch

BOTTOM Notches

Air Baffle Cable Routing Diagram

SATA Data Cable (1) IDE (CD-ROM) Cable

CPU Power Cable

Main Power Cable

Front Panel Cable

SATA Data Cables (2)

Front Panel USB Cable

Air Baffle Installation:

B

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

C

Install the baffle as shown.

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

CAUTION: Use care to avoid pinching cables.

Note: Make sure that cables routing through the top notch go UNDER the baffle tab to ensure proper clearance when installing the top cover.

Front Tab

Snap-standoff

Drive Bay Cover

15

Install Slimline DVD/CD-ROM Drive (optional)

Note: If you plan to install a slimline floppy drive instead, see your user guide for instructions.

A

Align the two holes on the left edge of the DVD/CD-ROM drive with the two cutouts in the tray. Note: If you have already installed the drive into the tray, skip to Step 3 below.

B

Lower opposite side of DVD/CD-ROM drive into tray until it clicks into place.

C

Align DVD/CD-ROM connector with connector on interposer board and install.

D

Attach interposer board with two screws.

E

Attach CD-ROM cable to interposer board. Note: CD-ROM cable ends are labeled.

F

Install DVD/CD-ROM drive into slimline drive bay until it clicks into place. Note: Make sure the loose end of the CD-ROM cable goes through the drive opening prior to inserting the drive.

G

Connect the opposite end of the CD-ROM cable to the server board IDE connector.

H

Connect power to rear of CD-ROM

Interposer Board

Backside View of Interposer Board

Rear of CD-ROM drive

Slimline power connector from power supply

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Install Slimline Filler Panel (optional)

Note: This step is only necessary if you have NOT installed a slimline floppy or slimline DVD/CD-ROM drive.

Install the slimline filler panel as shown.

Slimline Filler Panel

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Attach Intrusion Switch

Intrusion Switch Header

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.

18

Install Riser Card

A

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

Riser Card

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Install Add-in Card (optional)

A

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

B

Secure add-in card with screw as shown.

Add-in Card

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Re-install Add-in Card Riser Assembly

A

Align the two hooks on the riser assembly with the slots at the back of the chassis.

B

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.

Hook(2)

Notch(2)

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

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Install Processor Air Duct

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

Processor Air Duct

22

Install Rack Handles

Rack Handle

23

Replace the Top Cover

A

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

Top Cover

24

Install Bezel (optional)

Bezel

25

Finishing Up

Mouse

Keyboard

Video

Network

NIC1 10/100/1000 Mb

NIC2 10/100/1000 Mb

USB 1 & 2

AC Power

A

Connect your keyboard, mouse, video, and other I/O cables as shown.

B

Connect the AC power cable last.

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

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Software • Drivers, Firmware, and Operating System Installation

A. Confirm BIOS Version

Look on the Server/System Management screen in the BIOS Setup Utility to determine the installed BIOS version. Compare these to the versions at: <http://support.intel.com/support/motherboards/server/sr1475nh1-e/>. If new versions are available, update the BIOS on your server. See the User Guide on the Intel® Server Deployment Toolkit CD for update instructions.

B. Configure your RAID Controller

Use the instructions provided with the RAID controller.

C. Install your Operating System

Use the instructions provided with the RAID controller and with the operating system.

D. 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.

E. 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.

F. 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>.

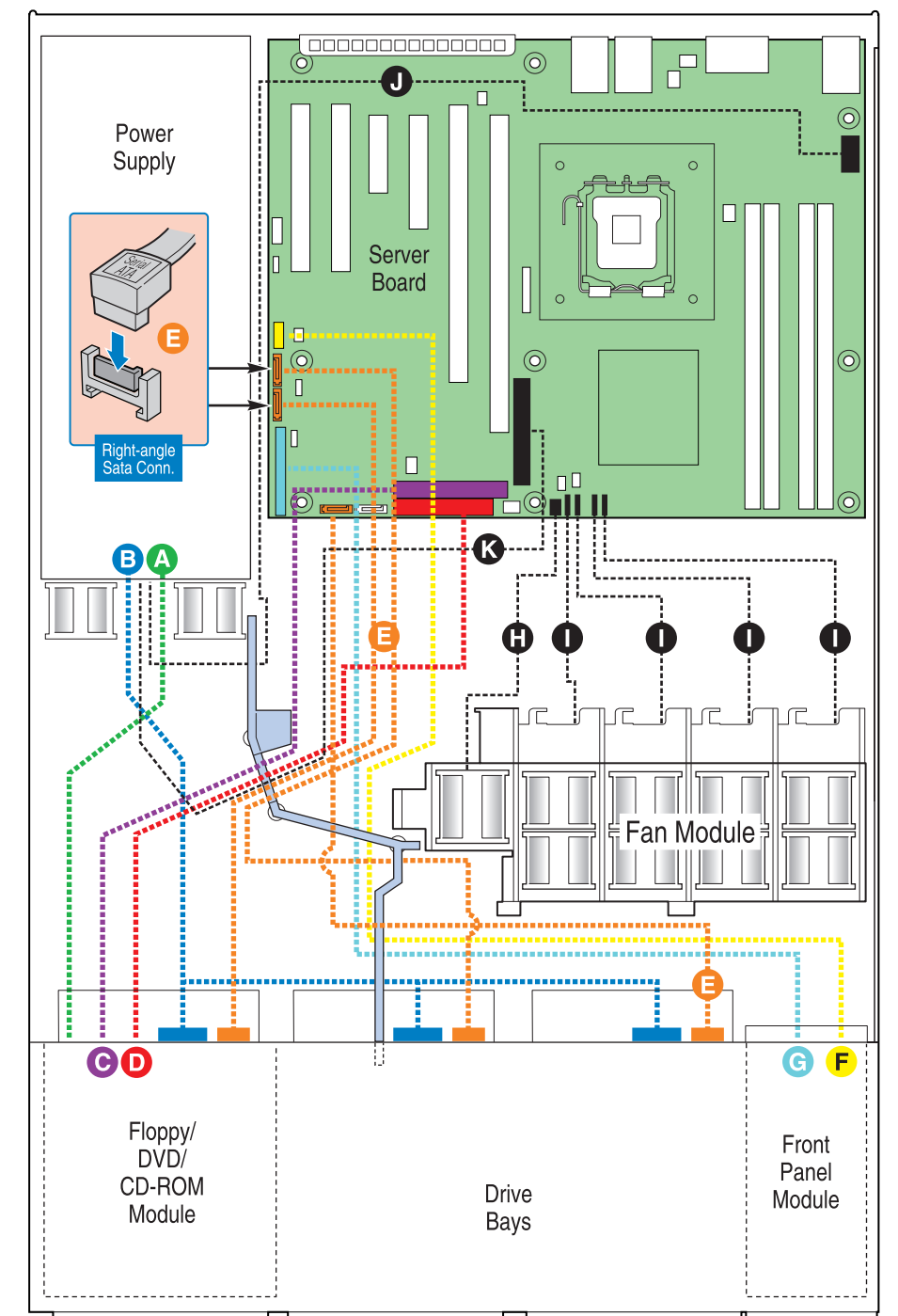
## Cable Connection Diagram

The following legend shows connection information based upon the Intel® Server Board SE7230NH1-E.

For a non-Intel server board, see the documentation that came with your server board for cable connection information.

If you have installed an optional backplane, some connections and cable routings may differ.

- 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



## Reference

Accessories and Order Codes	
Bezel/Standard Control Panel	ADWBZBLACK
Rail Kit	AXXHERRAIL
Slimline Floppy	AXXSFLIPPY
Slimline CD	AXXSCD
DVD/CD-R	AXXSDDVCDR
SATA Hot-Swap Backplane Kit	A1400SATAKIT
SCSI Hot-Swap Backplane Kit	A1400SCSIKIT
Rack Mounting Kit	AXX1U2URAIL
Fixed Drive SCSI Cable Kit	ABKSCSICABLE
1U Full Height PCI-X* Riser	ABKPCIXUP
1U Full Height PCI-Express* Riser (1x8 slot)	ABKPCIEXPUP

A complete list of accessories and spares can be found at: [www.intel.com/go/serverbuilder](http://www.intel.com/go/serverbuilder)

## 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

