11 Install Fixed Hard Drives into Carriers (without Backplane only)

A. Remove the Plastic Air Baffle

Baffle

Drive Carrier

B. Install the Hard Disk Drive

Attach with four screws.

12 Install Hard Drive Carriers into Chassis (without Backplane only)

Carrier Latch

Slide each carrier into a drive opening until the carrier latch clicks into place.

13 Installing Power Cables to Floppy/ CD/DVD Devices (without Backplane only)

Your accessory kit includes a Y-cable for attaching power to both a slim-line device and/or a 3.5" device installed in the bottom left drive bay in place of a hard disk drive. Connect as shown.

3-pin Power to CD-ROM

4-pin Power to Floppy

Y-cable

From Power Supply

SATA Power Cable

14 Install SATA Power and Data Cables (without Backplane only)

SATA Fixed Drive Power Connection Detail

Power Supply

Power Supply 2X3 Cable End

3

SATA Power Adapter Cable End

Connect SATA Data Cables to hard drives here.

SATA1   SATA0

Connect SATA Data Cables to server board here.

4

Server Board

Fan Module

1

CD-ROM Module/ Drive Bay   Drive Bay   Drive Bay   Front Panel Module

Connect SATA power cables to hard drives here.

1 Attach power and data cables to each drive.

Attach SATA power cable here.

Rear View of SATA Hard Drive

1

Attach SATA data cable here.

2 Route all cables approximately as shown.

3 Attach SATA power adapter cable to power supply 2X3 connector as shown in detail at left.

4 Attach data cables to server board as shown.

Note: If you wish to install a third SATA hard drive, you must install an optional SATA add-in card.

15 Make System Connections (without Backplane only)
• Front Panel USB Cable and Front Panel Ribbon Cable

1 Route front panel USB cable as shown and connect to server board.

Note that cable goes between the snap-standoffs as indicated.

2 Route front panel ribbon cable as shown and connect to server board.

Skip this procedure if you installed an optional backplane board and go to Step 16.

Front Panel USB Cable Connector

Front Panel Ribbon Cable Connector

Power Supply

Server Board

Fan Module

Snap-standoffs

1 USB Cable

2 Ribbon Cable (folded)

Drive Cage   Control Panel

16 Make System Connections
• Main Power Cable, CPU Power Cable and Power Signal Cable

1 Connect main power cable to server board as shown.

2 Attach CPU power cable as shown.

3 Attach power signal cable as shown.

Auxiliary Power Detail

Main Power Detail

CPU Power Detail

CPU Power Cable

Auxiliary Power Cable

Main Power Cable

Server Board

Fan Module

17 Make Fan Module Power Connections

1 Connect fan board ribbon cable to server board as shown.

2 Connect fan module cable to server board as shown.

PCI Fan Connector

Fan Board Connector

Server Board Connector

Fan Board

Fan Module

18 Install the Power Supply Air Baffle

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

1 Route cabling according to the legend below and snap the air baffle into place.

Cabling Legend:
Cable routing through REAR notch:
• Auxiliary Power

Cables routing through BOTTOM notch:
• Main power cable
• CPU Power Cable

Cable routing through TOP notch:
• Front Panel USB
• SATA cables

Route front panel ribbon cable as shown at far right.

TOP Notch

BOTTOM Notch

REAR Notch

1

Power Supply

Snap-standoffs

Snap-standoff Detail

Power Supply

Power Cables

USB Cable

Server Board

Front Panel Ribbon Cable

Drive Bay Cover

Front Tab

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

19 Preparing to Install Processor Air Duct Over Two Processors

If installing two processors, the plastic tab on the processor air duct must be removed. If installing only one processor, disregard this step and proceed to the next step.

20 Install Processor Air Duct

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

21 Install Rack Handles

22 Install the Top Cover

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

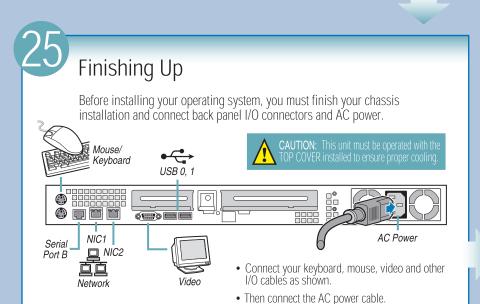## 23 Install Bezel (optional)

Reference

24 Rack/Rail Kit Installation

Rail Kit: See the documentation that came with your selected rail kit and rack system to complete installation.

25 Finishing Up

Before installing your operating system, you must finish your chassis installation and connect back panel I/O connectors and AC power.

Mouse/ Keyboard

USB 0, 1

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

Serial Port B   NIC1   NIC2

AC Power

Network   Video

• Connect your keyboard, mouse, video and other I/O cables as shown.
• Then connect the AC power cable.

26 Software Installation
• Drivers, Firmware, and Software 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/SR1435VP2/
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 SE7320VP2 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 (optional)
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 autorun 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.

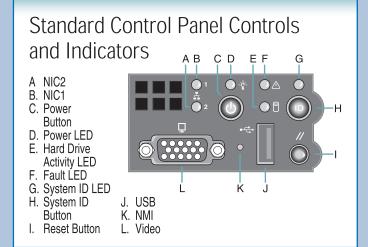F. Install Intel® Server Management 8 (optional)
With the operating system running, insert the Intel® Server Management 8 CD that came with your server board. On a Windows® operating system, the Setup program will auto-run. Follow the on-screen instructions. For installation details, see Getting Started with Intel® Server Manager 8, located on the ISM CD.
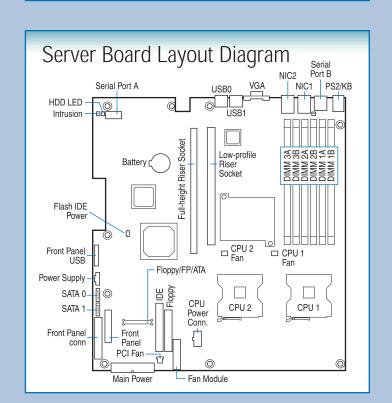
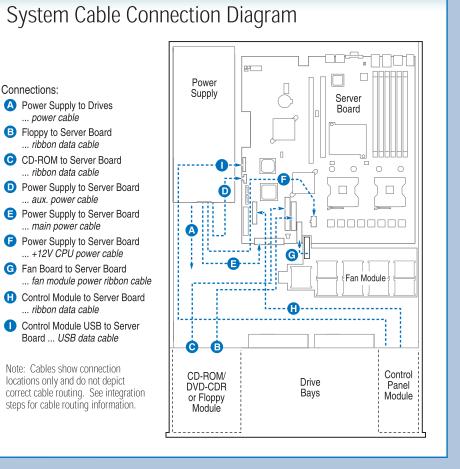G. Install Intel® SMaRT Tool (optional)
With the operating system running, insert the Intel® Server Deployment Toolkit CD. The Express Installer will autorun. Click Intel® SMaRT Tool at the left side of the screen. Follow the on-screen instructions. For information about Intel® SMaRT Tool, see:
http://developer.intel.com/design/servers/smarttool/index.htm.

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
L. Video

Server Board Layout Diagram

Serial Port A   USB0   VGA   NIC2   NIC1   Serial Port B   PS2/KB

HDD LED
Intrusion
USB1

Battery

Low-profile Riser Socket

Full-height Riser Socket

DIMM 3A
DIMM 3B
DIMM 2A
DIMM 2B
DIMM 1A
DIMM 1B

Flash IDE Power

Front Panel USB

CPU 2 Fan   CPU 1 Fan

Power Supply

SATA 0
SATA 1

Floppy/FP/ATA

IDE Floppy

CPU 2   CPU 1

Front Panel conn

Front Panel

CPU Power Conn.

PCI Fan

Main Power   Fan Module

System Cable Connection Diagram

Connections:

A Power Supply to Drives ... power cable

B Floppy to Server Board ... ribbon data cable

C CD-ROM to Server Board ... ribbon data cable

D Power Supply to Server Board ... aux. power cable

E Power Supply to Server Board ... main power cable

F Power Supply to Server Board ... +12V CPU power cable

G Fan Board to Server Board ... fan module power ribbon cable

H Control Module to Server Board ... ribbon data cable

I Control Module USB to Server Board ... USB data cable

Note: Cables show connection locations only and do not depict correct cable routing. See integration steps for cable routing information.

Power Supply

Server Board

Fan Module

CD-ROM/ DVD-CDR or Floppy Module

Drive Bays

Control Panel Module

Accessories and Order Codes

Spare Power Supply	FDW450WPS
1U Full-Height PCI Express® Riser	ADWPCIEXPR
1U Full-Height PCI-X Riser	ADWPCIXR
1U Low-Profile PCI-X Riser	ADWLPRISER
1U/2U Fixed Rack Mounting Kit	AXXBRACKETS
1U/2U Sliding-Rail Rack Kit	AXXHERAIL
Slimline CD	AXXSCD

Slimline DVD/CDR	AXXDVDCDR
Slimline Floppy	AXXSFLOPPY
1U Bezel	ADWBEZBLACK
iDiskOnChip® Power Connector	AXXFLASHPWR
Chassis Spares Kit	ADW1UCHSPRKIT
Electrical Spares Kit	ADW1UEESPRKIT

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