

9 Connect Front Panel and USB Cables

• Front Panel USB Cable and Front Panel Data Cable

- Attach front panel data cable as shown. Note: This cable has three connectors:
 - Front panel module connector
 - Backplane connector
 - Server board connector
- Attach front panel USB cable to server board as shown.
- Route both cable assemblies through the metal cable slot as shown.

Note: This slot contains additional cables from previous installation steps. Position ALL cables so that they are contained within the slot.

10 Connect Fan Board and PCI Fan to Server Board

- Connect fan board ribbon cable to server board as shown.
- Connect PCI fan cable to server board as shown.

11 Attach Intrusion Switch

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.

12 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.

13 Install Processor Fan Duct

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

14 Install Intel® Management Module (optional)

- Insert the standoff into the hole labeled TH4 on the IMM module. The standoff installs on the bottom side of the IMM.
- Attach the IMM to the server board connector and snap the standoff into the matching hole in the server board.

15 Install Hard Drives/Carriers

- Remove the Plastic Air Baffle
- Install the Hard Disk Drive
- Install the Carrier Assembly

CAUTIONS: If you install less than three drives or devices, empty drive bays must be occupied by carriers with baffles to maintain proper system cooling. To avoid possible damage to your chassis, DO NOT USE older style drive carriers.

Note: Carrier lever must be held in the FULLY OPEN position to install into chassis. Slide carrier into chassis until it stops, then rotate the lever until it snaps shut.

Repeat these steps for each installed hard drive

16 Install Riser Card

Depending upon your system configuration, you must install the PCI riser card that matches your add-in card.

- Press and hold the blue PCI riser locking lever.
- Place riser card onto retention pins, then slide card to the right to lock.
- Release blue lever.

17 Install Add-in Card(s)

- Open retention clip.
- Remove filler panel.
- Insert add-in card until it seats in riser card connector.
- Make sure add-in card bracket inserts into slot.
- Close retention clip.

CAUTION: Observe normal ESD precautions when installing add-in cards.

Left Side Supports full-height PCI card.

Right Side Supports low-profile PCI card only.

18 Install Add-in Card Riser Assembly

To install the riser assembly:

- Position riser card edge connectors over the server board riser sockets.
- Press down uniformly until the four hooks engage the chassis back panel.

19 Install Slim-line DVD/CD-ROM (optional)

- If you have not already removed the DVD/CD-ROM tray from the chassis, remove it now. Push the blue release tab in the direction shown to remove.
- Align the two holes on the left edge of the DVD/CD-ROM drive with the two cutouts in the tray.
- Lower opposite side of DVD/CD-ROM drive into tray until it clicks into place.
- Align DVD/CD-ROM connector with connector on interposer board and install.
- Attach interposer board with two screws.
- Install DVD/CD-ROM drive into slimline drive bay until it clicks into place.
- Attach CD-ROM cable to interposer board. Note: This connector has a "plugged" alignment hole. Make sure connector holes are aligned properly with the mating pins before attaching to DVD/CD-ROM interposer board. CD-ROM cable ends are labeled.
- Connect the opposite end of the DVD/CD-ROM cable to the server board IDE connector.
- Connect the longest of the two device power cables (P6) that exit the top of the backplane power connector installed in Step 8 or 9.

20 Install Slim-line Floppy (optional)

Remove DVD/CD-ROM tray from the chassis and get floppy drive tray and floppy flex cable from accessory box.

- Align the two holes in the floppy drive with the two cutouts in the floppy drive tray.
- Lower opposite side of floppy drive into tray until it clicks into place.
- Go to the connector-end of the floppy drive and install the floppy flex cable:
 - With the tip of your finger, slide the floppy connector cover up from the connector slightly.
 - Insert cable end into connector to engage.
- Note orientation of the BLUE side of the floppy cable-end during installation. Make sure cable end inserts into connector uniformly.
- Connect the opposite end of the floppy flex cable to the matching connector on the interposer board.
- Install floppy interposer board to floppy tray by inserting the left side into the tray slot and securing the other side with a screw.
- Install floppy drive into slimline drive bay until it clicks into place.
- Connect the opposite end of the floppy cable to the server board floppy connector.
- Connect the longest of the two device power cables (P5) coming from the backplane power connector.
- Attach floppy cable to interposer board. Note: This connector has a "plugged" alignment hole. Make sure connector holes are aligned properly with the mating pins before attaching to the floppy interposer board. Floppy cable ends are labeled.

21 Re-install Top Cover

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

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

22 Install Rack Handles

24 Install Rack Mounting Kit

Go to your SE7520JR2 Rack Mount Kit and follow the instructions for rack mounting your server platform.

WARNING: Safe handling of this system requires TWO people.

25 Finishing Up

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

IMPORTANT NOTE: You must download and install the latest IMM software for the IMM board to work properly with your server board.

Go to your Intel® Server Board SE7520JR2 Quick Start User's Guide for software installation instructions.

Reference

Intel® Local Control Panel Controls and Indicators

A. USB 2.0 Ports
B. LCD Display
C. Scroll Up
D. Scroll Down
E. Go Back
F. Enter/Select
G. ID LED
H. Power LED
I. Power Button
J. System Status LED
K. NIC 2 Activity LED
L. NIC 1 Activity LED
M. HDD Activity LED
N. Reset Button

Standard Control Panel Controls and Indicators

A. USB 2.0
B. NMI Button
C. Reset Button
D. HDD Activity LED
E. NIC 1 LED
F. NIC 2 LED
G. System Status LED
H. Power Button
I. Power LED
J. System ID Button
K. System ID LED

Accessories and Order Codes	
SR1450 SATA Backplane Kit	A1450SATAKIT
SR1450 SCSI Backplane Kit	A1450SCSIKIT
SR1450 Front Panel Kit	APLFP
SR1450 LCP Kit	APLLCP
SR1450 520W Power Supply Module	APL520WPS
HDD carriers- new carrier for SR1450 (Do not use old HDD carriers)	APLHDDCAR
Intel Server Board SE7520JR2 Boxed Board - DDR266/333 SCSI	SE7520JR2SCSID1
Intel Server Board SE7520JR2 Boxed Board - DDR 266/333 SATA	SE7520JR2ATAD1
Intel Server Board SE7520JR2 Boxed Board - DDR2 SCSI	SE7520JR2SCSID2
Intel Server Board SE7520JR2 Boxed Board - DDR2 SATA	SE7520JR2ATAD2

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