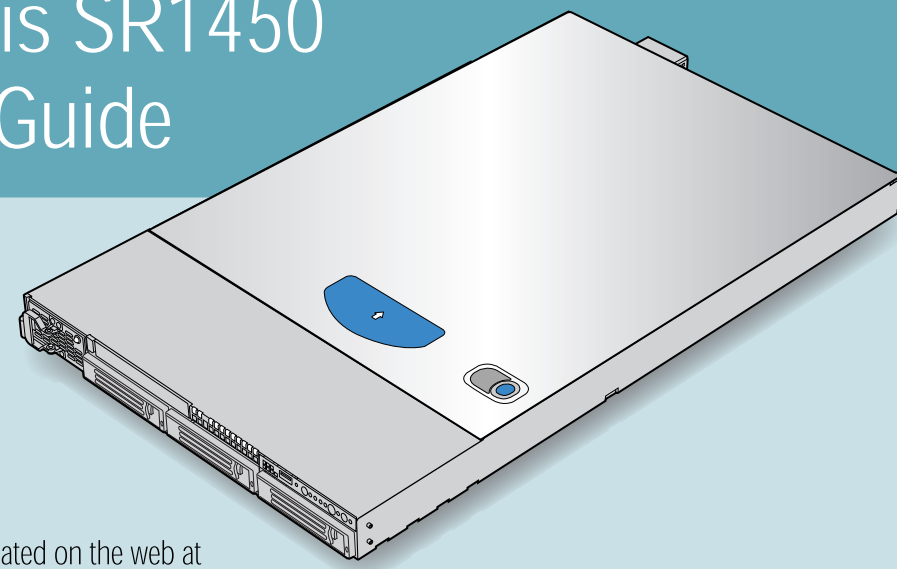




Intel® Server Chassis SR1450 Quick Start User's Guide



Thank you for buying an Intel® Server Chassis. The following information will help you assemble your Intel® Server Chassis and install components.

This guide and other supporting documents are located on the web at <http://support.intel.com/support/motherboards/server>

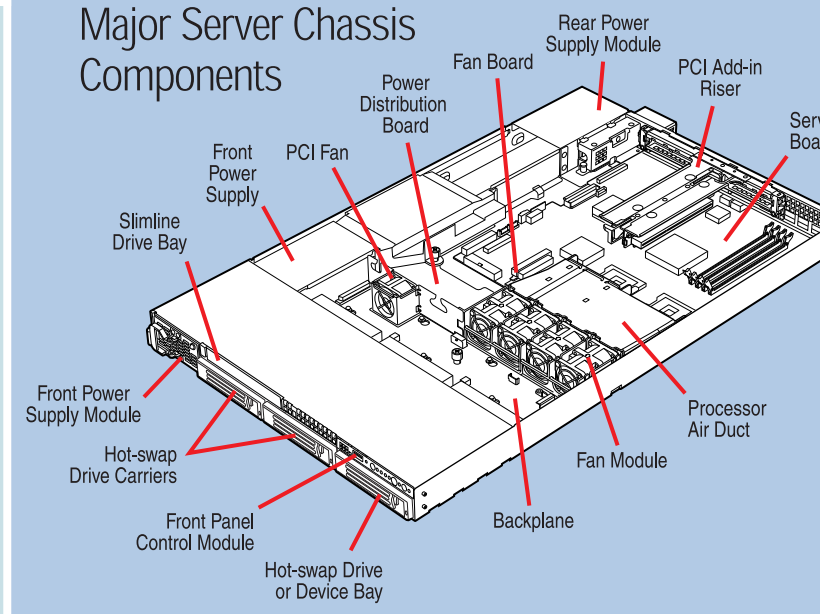
If you are not familiar with ESD (Electrostatic Discharge) procedures used during system integration, please see the Intel® Server Chassis SR1450 User Guide, available on the CD or at <http://support.intel.com/support/motherboards/server>

Minimum Hardware Requirements

To avoid integration difficulties, make sure you have one item from each category below. Order codes are in parenthesis after each item.

- Server Board:**
 - Intel® Server Board SE7520JR2
- Control Panel Options:**
 - Intel® Local Control Panel (APLLCP)
 - Standard Control Panel (APLFP)
- Drive Options:**
 - 1U SCSI Backplane Kit (A1450SCSIKIT)
 - 1U SATA Backplane Kit (A1450SATAKIT)
- Full Height Riser Options:**
 - Full Height PCI-Express® Riser (ADWPCIEXPXR)
 - Full Height PCI-X® Riser (ADWPCIXR)
 - Low Profile PCI-X Riser (ADWLPRISEXR)
- AC Power:**
 - Power: Minimum of 520W with 2A of standby current, which meets the SSI EPS 120V specification

Major Server Chassis Components



1 Remove the Top Cover

- Remove shipping screw.
- Depress the latch.
- Slide the top cover toward the rear and lift upward.

2 Remove Add-in Card Riser Assembly and Processor Fan Duct

- Using blue handles, lift straight up and remove.
- Remove processor fan duct.
- Remove shipping material (if any).

3 Re-position the Fan Board

CAUTION: This step is necessary to ensure correct server board installation.

Note: For ease of server board installation in Step 4, the fan board must be rotated upward, but not disconnected or removed.

- Push on large fan board connector to release fan board from the fan module.
- Lift up slightly to disengage fan board from plastic tabs. In this loosened position, the server board can be put correctly into place over the chassis standoffs.

4 Install Server Board

See your Intel® Server Board SE7520JR2 Quick Start User's Guide for server board installation instructions.

Open the Intel® Server Board box. Complete Steps 1-5 in the enclosed Intel® Server Board SE7520JR2 Quick Start User's Guide and return to this document when finished.

Use the mounting screws that came with your chassis to secure the server board to the chassis.

Warning

Read all caution and safety statements in this document before performing any of the instructions. Also see the Intel® Server Board and Server Chassis Safety Information document at: <http://support.intel.com/support/motherboards/server/sb/cs-010770.htm> for complete safety information.

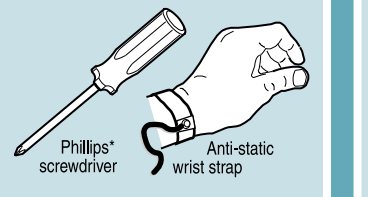
Warning

Installation and service of this product to be performed only by qualified service personnel to avoid risk of injury from electrical shock or energy hazard.

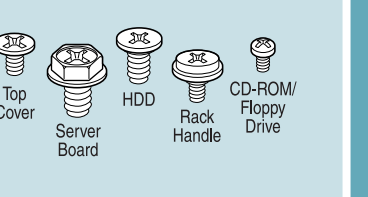
Caution

Observe normal ESD (Electrostatic Discharge) procedures during system integration to avoid possible damage to server board and/or other components.

Tools Required



Fastener Identification Guide



5 Replace Fan Board into Original Position

- Rotate fan board downward onto fan module plastic tabs.
- Align fan board slots with tabs and slide to the right to lock into place.

6 Install Front Control Panel

Select the procedure below that matches your front panel control module

- Standard Control Panel**
 - Slide control panel into chassis until the release lever clicks into place.
 - Attach front panel data cable to control panel connector as shown.
 - Attach front panel USB cable to control panel connector as shown.
- Intel® Local Control Panel**
 - If you plan to install the bezel that matches the Intel® Local Control Panel, remove the thumbscrew and slide the back half of the tray rearward as shown and re-install the thumbscrew into the metal tabs.
 - When using a bezel with the Local Control Panel, you need to change out the LCP plastic front panel.
 - If you are not using the optional bezel, make sure the back half of the tray is secured in the "shortened" position.
 - Unfold and attach the front panel ribbon cable to the control panel connector as shown.
 - Attach front panel USB cable to control panel connector as shown.
 - Route the server board ends of the front panel ribbon cable and USB cable through the control panel opening before inserting the control panel all the way into the chassis.
 - Slide LCP/tray assembly into chassis until the release lever clicks into place.

7 Make System Power Connections

- Main Power Cable, CPU Power Cable and Power Signal Cable**
 - Connect main power cable to server board as shown.
 - Attach CPU power cable to server board.
 - Attach power signal cable to server board.

8 Install Backplane and Make Connections

Select the procedure below that matches your backplane

- SCSI Installation**
 - Place loose cables out of the way.
 - Align backplane mounting holes over locking pins and slide toward the right to lock.
 - Secure backplane with metal thumbscrew.
- Make System Connections**
 - Connect SCSI cable from backplane to server board.
 - Connect backplane power cable from power distribution board (PDB) to backplane board.
- SATA Installation**
 - Place loose cables out of the way.
 - Align backplane mounting holes over locking pins and slide toward the right to lock.
 - Secure backplane with metal thumbscrew.

Make System Connections

- Connect SATA cable(s).
- Connect backplane power cable.