Preparing the Chassis

Install the Server Board

Installing the I/O Shield and Attach I/O Labels

3 Install Server Board Bumpers

Install the Active Heatsink(s)

4 Install the Server Board

B. Attach the Server Board

A. Insert the Server Board

Tools Required

Fastener Identification Guide

Minimum Hardware Requirements

A. Open the Socket Lever

B. Open the Load Plate

C. Unpack the Processor

6 Install Active Heatsink(s)

As an active heatsink is required for the Intel® Entry Server Chassis P4000S series, a typical active heatsink is shown at right. Install the active heatsink so that the power connection can reach the CPU fan header on the server board. Make sure the screws are secured tightly. Use the following procedure to install an active heatsink to your server board:

1. Align the heatsink to the holes in the board and lower assembly to the board. Snap go through the holes in server board.

2. Press downward on the top of the screw to secure.

3. Fasten the screws to the final positions.

4. Make sure the screw holes in the heatsink are perpendicular to the blades of the heatsink as shown.

5. Install the heatsink and connect the cable to the CPU fan header.
7. Install DIMM Memory Modules

**Memory Configurations and Population Order:**

- **Memory Type Minimum: 1 GB, DDR3 1066/1333/1600 MHz (UDIMM)**
- **Note:** For additional memory configurations, see the Technical Product Specification on the Intel® Server Deployment Tools DVD that came with your Intel® Server Board.

**To Install DIMMs:**

- **Note:** If adding or replacing DIMMs, observe normal ESD (ElectroStatic Discharge) procedures before handling or installing DIMMs.

**CAUTION:** Avoid touching contacts when handling or installing DIMMs.

**WARNING:** DIMMs must be installed in pairs of mirror locations.

**IMPORTANT:** Consider the matching tab on each DIMM. The matching tab on each power cable latch on each power cable must match the matching tab on each DIMM.

**IMPORTANT:** Visually check that each DIMM is fully seated and correctly engaged with each DIMM socket.

**IMPORTANT:** If you are using a non-H710 server chassis with an ATX power supply, see the documentation that came with your chassis for installation information.

11. Attach Intrusion Switch Cable

**Note:** For a non-i7 chassis, see your chassis documentation for intrusion switch requirements.

12. Attach Front Panel, Serial, and USB Connections

**Note:** For a non-i7 chassis, see your chassis documentation for front panel features.

13. Chassis Fan Connections

**IMPORTANT NOTE:** Use cable-ties compulsarily.

14. Install the Intel® Integrated RAID Module

**Note:** The location of the positions can be found in the server location box. This cardboard is designed for the S1200V3RP server board only.

15. Install Add-in Card(s)

**Note:** For the i7 server chassis, add-in cards can be installed in the front or back of the chassis.

16. Finishing Up

**Note:** For a non-i7 chassis, see your chassis documentation for finishing switch requirements.

17. Software - BIOS, Drivers, and Operating System Installation

**A. Confirm BIOS Version:**


**B. Configure your RAID Controllers:**

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

**C. Install your Operating Systems:**

- Determine one operating system to install. Use a media from your operating system or network boot.

**D. Install Operating System Drives:**

- Install the operating system. Once the operating system is installed, your system is ready for use.

18. Common Problems and Solutions

**Note:** For a list of hardware components that have been tested with this system, see:


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