Intel® Server System SR1500ALSASR Quick Start User's Guide

Thank you for buying an Intel® Server System. The following information will help you assemble your Intel® Server System SR1500ALSASR 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 System SR1500ALSASR User's Guide, available on the Intel® Server Deployment Toolkit 2.0 CD or at

http://support.intel.com/support/motherboards/server/chassis/sr1500/howto.htm.

Please boot to the Intel Server Deployment Toolkit 2.0 CD first for BIOS and firmware configuration and updates.

Install the Processor(s)

When opening a socket, DO NOT TOUCH the gold socket wires.

2. When unpacking a processor, hold by the edges only to avoid touching the gold contact.

only to avoid touching the gold contacts.

Notes and Cautions:

gold socket wires.

Read all cautions and warnings first before starting your server system integration.





Minimum Hardware Requirements

To avoid integration difficulties and possible damage to your system, make sure you have components from each category below.

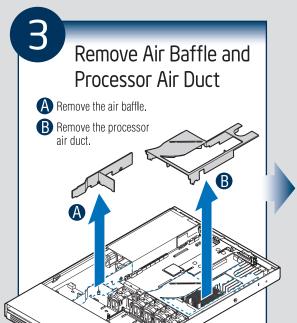
- Minimum of one Dual-Core Intel[®] Xeon[®] processor 5000 sequence with 2 MB
- Heat Sink: • 1U passive heat sink for each processor
- Memory: Minimum of one 512MB, DDR2 FBDIMM 533/667 MHz compliant 240-pin DIMM.
- Hard Disk Drives: SATA/SAS

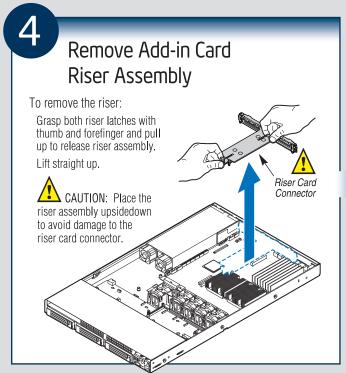


Observe normal ESD (Electrostatic Discharge) procedures.

Place your Intel® Server Chassis on a flat anti-static surface to perform the following integration procedures. Always touch the chassis frame first, before reaching inside to make server board connections or to install components.







IMPORTANT! 1

Before proceeding further, do the following:

Check your Intel® Server System for disconnected or loose cables and components that may have occurred during shipping





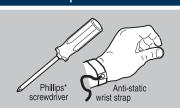
Read all caution and safety statements in this document before performing any of the instructions. Also see the *Intel®* Server Board and Server Chassis Safety Information document at: http://support.intel.com/support/ motherboards/server/sb/cs-010770 .htm for complete safety information.

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

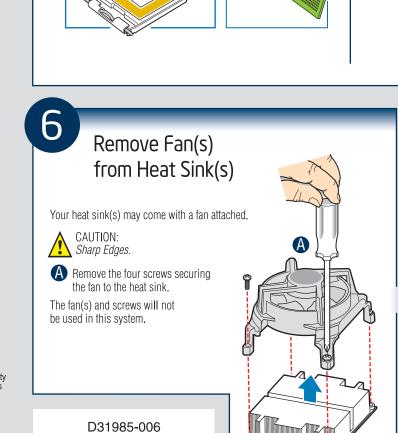
Caution

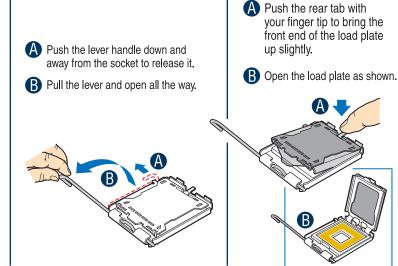
Observe normal ESD [Electrostatic Discharge] procedures during system integration to avoid possible damage to server board and/or other componets.

Tools Required



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Install Heat Sink(s)

CAUTION: The heat sink has thermal interface

caution so that you do not damage the thermal

interface material. Use gloves to avoid sharp edges.

Chassis

material (TIM) on the underside of it. Use

A Remove the protective film on the TIM if present.

B Align heat sink fins to the front and back of the

front-to-back of chassis.

and should be tightened using the

Using a #2 Phillips* screwdriver,

fastener again in the same

order as performed in Step C.

Securely re-tighten each

Note: Heat sink styles may vary.

finger-tighten each fastener diagonally,

according to the numbers shown.

following procedure:

Each heat sink has four captive fasteners

chassis for correct airflow. Airflow goes from

A. Open the Socket Lever

B. Open the Load Plate

C. Remove the Processor **Protective Cover**

> A Take the processor out of the box and remove the protective shipping



CAUTION:

over-tighten

fasteners.

Air Flow

7 B

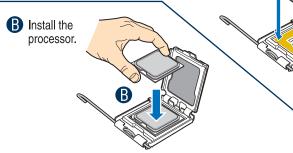
Do not

D. Install the Processor

CAUTION: The underside of the processor has components that may damage the socket pins if installed improperly.

Processor must align correctly with socket opening before DO NOT DROP processor into socket!

A Orient the processor with the socket so that the processor cutouts match the socket notches.

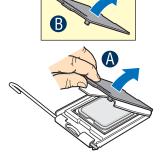


E. Remove Socket Protective Cover F. Close Load Plate and Socket Lever

tab and pull away from the load plate Remove the socket protective cover and store for future use.

A Grasp the socket protective cover

Memory Configurations and Population Order:



DIMM B1 —

DIMM A2 —

DIMM C2

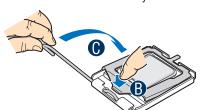
┌─ DIMM D1

DIMM D2

A Close the load plate all the way as shown.

B With your finger, push down on the load plate as shown.

Close the socket lever and ensure that the load plate tab engages under the socket lever when fully closed.

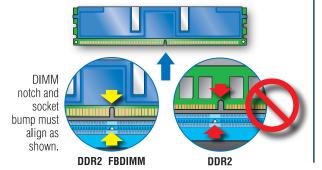




this server board.

This server board supports up to eight DDR2-533 or DDR2-667 Fully Buffered DIMMs (FBD memory). DDR2 DIMMs that are not FBD memory are not supported on

FBDIMM DDR2 memory varies in height.
Only use DIMMs approved for use in a 1U chassis.



Memory Type: Minimum of one 512MB, DDR2 FBDIMM 533/667 MHz compliant 240-pin DIMMs.

ver/chassis/sr1500

Populate DDR2 FBDIMMs in the order of A1, B1, C1, D1 and A2, B2, C2 and D2. For best performance, a minimum of four DIMMs is recommended.

Note: For additional memory configurations, see the User Guide on the CD that accompanied your Intel® Server System SR1500ALSASR, or go to: http://support.intel.com/supp

Memory sizing and configuration is supported only for qualified DIMMs approved by Intel®. For a list of supported memory, see the tested memory list at

To Install DIMMs: CAUTION: Avoid touching contacts when handling or installing DIMMs.

A Open both DIMM socket levers.

B Note location of alignment notch. Insert DIMM making sure the connector edge of the DIMM aligns correctly with the slot.

Push down firmly on the DIMM until it snaps into place and both levers close.

IMPORTANT! Visually check that each latch is fully closed and correctly engaged with each DIMM edge slot.

