## Intel<sup>®</sup> Server System R1304BTLSHBN Quick Start User's Guide

Thank you for buying an Intel<sup>®</sup> Server System. The following information will help you assemble your Intel<sup>®</sup> Server System R1304BTLSHBN and install components.

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

If you are not familiar with ESD (Electrostatic Discharge) procedures used during system integration, please see the Intel<sup>®</sup> Server System R1304BTLSHBN Service Guide, available on the Intel<sup>®</sup> Server Deployment Toolkit CD or at http://www.intel.com/support/motherboards/serve

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



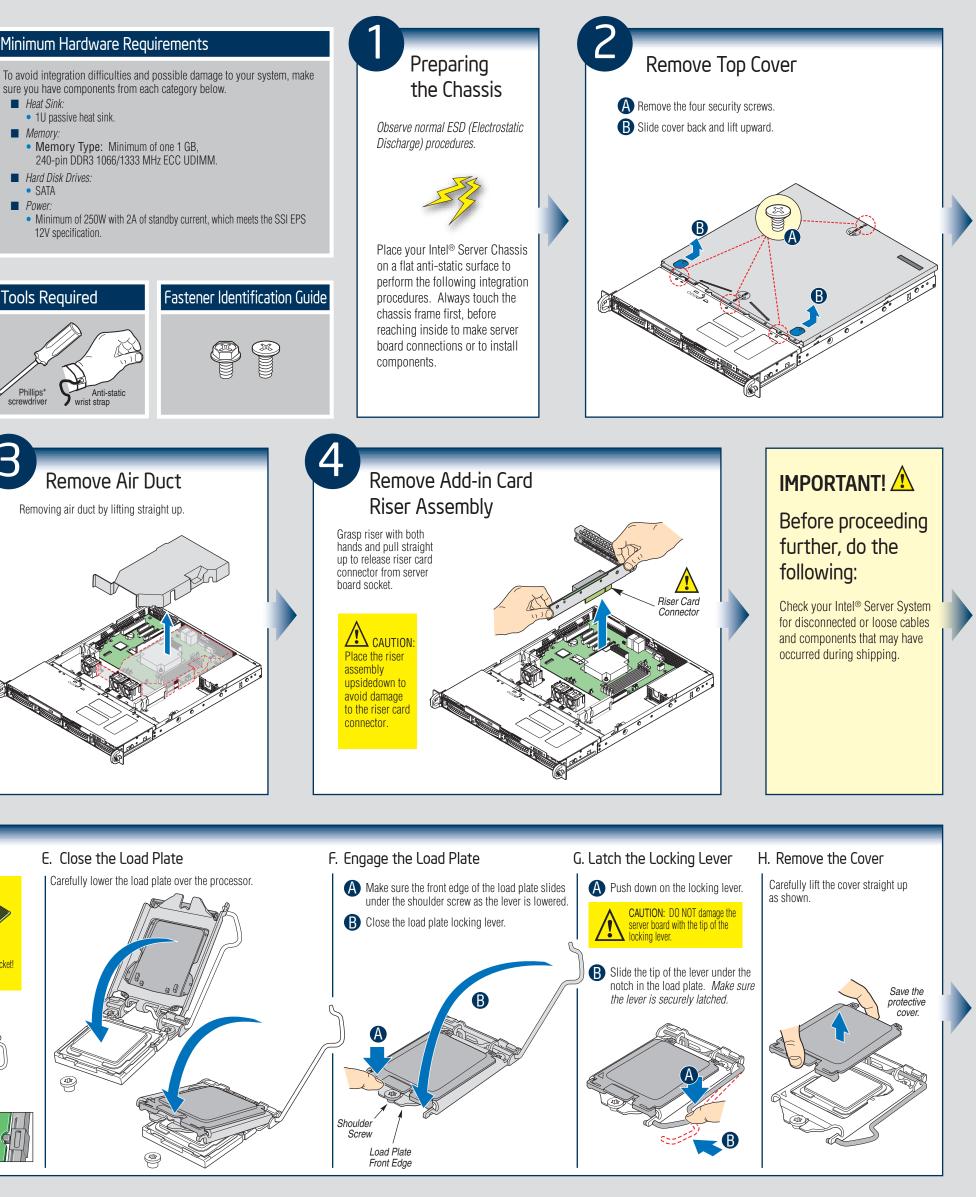
Heat Sink:

Memory:

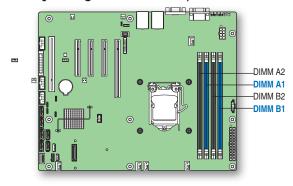
 SATA Power:



## 5 Warning Install the B. Open the Load Plate A. Open the Socket Lever D. Install the Processor Read all caution and safety Processor A Push the lever handle down and away Open the statements in this doct statements in this document CAUTION: The underside of from the socket to release it. load the processor has components Cautions: plate as that may damage the socket wires if instructions. Also see the Intel® shown nstalled improperly. Server Board and Server Chassis When unpacking a processor, Componer Safety Information document at: Processor must align correctly with the socket opening before installation. DO NOT DROP processor into socket http://www.intel.com/support/ motherboards/server/sb/cs-010770 **DO NOT DROP** processor into socket! .htm for complete safety information. A Orient the processor with the socket so that the processor cutouts match the two C. Unpack the Processor socket pins. Warning **B** Rotate the lever open all the way. B Note location Installation and service of of gold key at this product should only be Carefully remove corner of protective cover processor performed by qualified service as shown. personnel to avoid risk of injury from Save the electrical shock or energy hazard. Caution Observe normal ESD 6 [Electrostatic Discharge] procedures during system Install Heat Sink CAUTION: Install DIMM Memory Modules integration to avoid possible damage to server board and/or over-tighten other components. Get heat sink from the shipping position. DE DDR3 DIMM Memory Identification: fasteners. **B** Remove the protective film on the TIM if present. AIRFLOW CAUTION: Observe normal ESD (ElectroStatic Discharge) procedures CAUTION: Observe normal ESD (Electrostant of so to avoid possible damage to system components. C Caution Align heat sink fins to the front and back of the chassis for correct airflow. *Airflow goes from front-to-back of* This server board supports up to 4 DDR3 1066/1333 ECC UDIMM. Low Power Unit, Please chassis Check Power Budget Tool 2 The heat sink has four captive fasteners and should be For Supported Configuration. tightened using the following procedure: Intel is a registered trademark of Intel Corporation or its subsidiaries in the United States and other countries. \*Other names and brands may be claimed as the Using a #2 Phillips\* screwdriver, finger-tighten each fastener diagonally, according to the numbers shown. B property of others. Copyright © 2011, Intel Corporation. All rights reserved. DIMM E Securely re-tighten each fastener again in the same order as notch and performed in Step E. socket bump must CAUTION: The heat sink has thermal interface align as material (TIM) on the underside of it. Use caution so that you do not damage the thermal interface material. shown. G20489-005 Use gloves to avoid sharp edges. DDR3 Other Memory



Memory Configurations and Population Order:



Memory Type: Minimum of one 1 GB, DDR3 1066/1333 MHz ECC UDIMM. Note: For additional memory configurations, see the Techinical Product Specification on the Intel® Server Deployment Toolkit CD that accompanied your Intel® Server Board S1200BT, or go to:

## http://www.intel.com/support/motherboards/server

Memory sizing and configuration is supported only for qualified DIMMs approved by Intel<sup>®</sup>. For a list of supported memory, see the tested memory list at http://serverconfigurator.intel.com/default.aspx

## 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. D 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.