Intel® RMFBU2/SSD Mounting Bracket A2UBKTMFBUSSD User's Guide

A Guide for Technically Qualified Assemblers of Intel® identified Subassemblies/Products

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Intel® server boards contain a number of high-density VLSI and power delivery components that need adequate airflow for cooling. Intel's own chassis are designed and tested to meet the intended thermal requirements of these components when the fully integrated system is used together. It is the responsibility of the system integrator that chooses not to use Intel developed server building blocks to consult vendor datasheets and operating parameters to determine the amount of airflow required for their specific application and environmental conditions. Intel Corporation can not be held responsible if components fail or the server board does not operate correctly when used outside any of their published operating or non-operating limits.

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Safety Information

Important Safety Instructions

Read all caution and safety statements in this document before performing any of the instructions. See also Intel Server Boards and Server Chassis Safety Information on the *Intel® Server Deployment Toolkit 3.0 CD* and/or at

http://www.intel.com/support/motherboards/server/sb/cs-010770.htm.

Wichtige Sicherheitshinweise

Lesen Sie zunächst sämtliche Warnund Sicherheitshinweise in diesem Dokument, bevor Sie eine der Anweisungen ausführen. Beachten Sie hierzu auch die Sicherheitshinweise zu Intel-Serverplatinen und Servergehäusen auf der *Intel® Server Deployment Toolkit 3.0 CD* oder unter http://www.intel.com/support/motherboards/server/sb/cs-010770.htm.

Consignes de sécurité

Lisez attention toutes les consignes de sécurité et les mises en garde indiquées dans ce document avant de suivre toute instruction. Consultez Intel Server Boards and Server Chassis Safety Information sur le *Intel® Server Deployment Toolkit 3.0 CD* ou bien rendez-vous sur le site http://www.intel.com/support/motherboards/server/sb/cs-010770.htm.

Instrucciones de seguridad importantes

Lea todas las declaraciones de seguridad y precaución de este documento antes de realizar cualquiera de las instrucciones. Vea Intel Server Boards and Server Chassis Safety Information en el *Intel® Server Deployment Toolkit 3.0 CD* y/o en http://www.intel.com/support/motherboards/server/sb/cs-010770.htm.

重要安全指导

在执行任何指令之前，请阅读本文档中的所有注意事项及安全声明。和/或 http://www.intel.com/support/motherboards/server/sb/cs-010770.htm 上的 *Intel Server Boards and Server Chassis Safety Information*（《Intel 服务器主板与服务器机箱安全信息》）。

Warnings

Heed safety instructions: Before working with your server product, whether you are using this guide or any other resource as a reference, pay close attention to the safety instructions. You must adhere to the assembly instructions in this guide to ensure and maintain compliance with existing product certifications and approvals. Use only the described, regulated components specified in this guide. Use of other products/components will void the UL listing and other regulatory approvals of the product and will most likely result in noncompliance with product regulations in the region(s) in which the product is sold.

System power on/off: The power button DOES NOT turn off the system AC power. To remove power from the system, you must unplug the AC power cord from the wall outlet. Make sure the AC power cord is unplugged before you open the chassis, add, or remove any components.

Hazardous conditions, devices and cables: Hazardous electrical conditions may be present on power, telephone, and communication cables. Turn off the server and disconnect the power cord, telecommunications systems, networks, and modems attached to the server before opening it. Otherwise, personal injury or equipment damage can result.

Electrostatic discharge (ESD) and ESD protection: ESD can damage disk drives, boards, and other parts. We recommend that you perform all procedures in this chapter only at an ESD workstation. If one is not available, provide some ESD protection by wearing an antistatic wrist strap attached to chassis ground—any unpainted metal surface—on your server when handling parts.

ESD and handling boards: Always handle boards carefully. They can be extremely sensitive to ESD. Hold boards only by their edges. After removing a board from its protective wrapper or from the server, place the board component side up on a grounded, static free surface. Use a conductive foam pad if available but not the board wrapper. Do not slide board over any surface.

Installing or removing jumpers: A jumper is a small plastic encased conductor that slips over two jumper pins. Some jumpers have a small tab on top that you can grip with your fingertips or with a pair of fine needle nosed pliers. If your jumpers do not have such a tab, take care when using needle nosed pliers to remove or install a jumper; grip the narrow sides of the jumper with the pliers, never the wide sides. Gripping the wide sides can damage the contacts inside the jumper, causing intermittent problems with the function controlled by that jumper. Take care to grip with, but not squeeze, the pliers or other tool you use to remove a jumper, or you may bend or break the pins on the board.

The Intel® RMFBU2/SSD Mounting Bracket (A2UBKTMFBUSSD) is designed as an accessory for the Intel® Server System R2000GZ/GL Product Family and the Intel® Server System R2000BB Product Family. It can support upto three Intel® RAID Maintenance Free Backup Units (AXXRMFBU2) or upto two Solid State Drives (SSDs).

> *Note: Due to system thermal limitations, other available Intel RAID battery backup accessory kits cannot be supported with the A2UBKTMFBUSSD kit.*

To Install Intel® RAID Maintenance Free Backup Unit AXXRMFBU2

1. Remove the top cover from the server chassis (see instruction from the *Quick Installation User's Guide*),

2. Position the bracket on top of the power supply cage (see letter "A").

3. Secure the bracket to the chassis with three screws (see letter "B").

> *Note: The two 6-32 flat head screws are for the side wall and the one 4-40 screw is for the rear panel.*
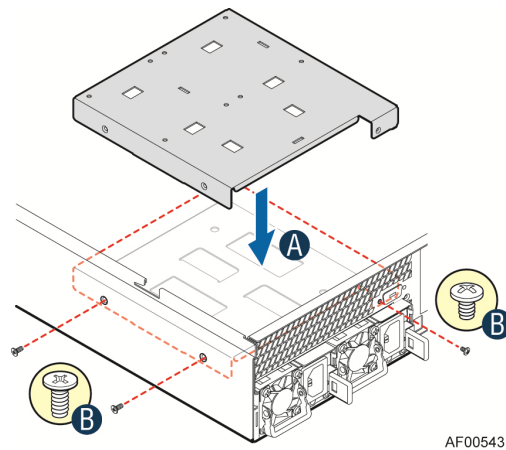

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Figure 1. Install the bracket to server chassis

4. Align the tabs on the plastic RMFBU2 holder with the slots on the bracket (see letter "C"). Slide the plastic RMFBU2 holder until the tabs engage with the slots on the bracket (see letter "D").
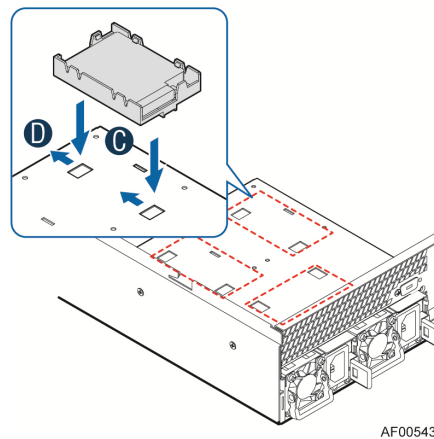

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Figure 2. Install RMFBU2 to the bracket

5. Connect cables. Please refer to *Intel® RAID Maintenance Free Backup Unit AXXRMFBU2 User's Guide* for detailed instruction.

To install a Solid State Drive

1. Remove the top cover from the server chassis (see instruction from the *Quick Installation User's Guide*).

2. Position the Solid State Drive on the bracket (see letter "A").

3. Secure the Solid State Drive with the four screws (see letter "B").
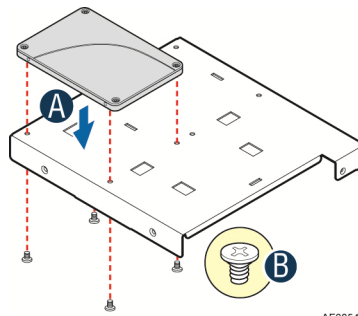

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Figure 3. Install Solid State Drive to the bracket

4. Position the bracket on top of the power supply cage (see letter "C").

5. Secure the bracket to the chassis with three screws (see letter "D").

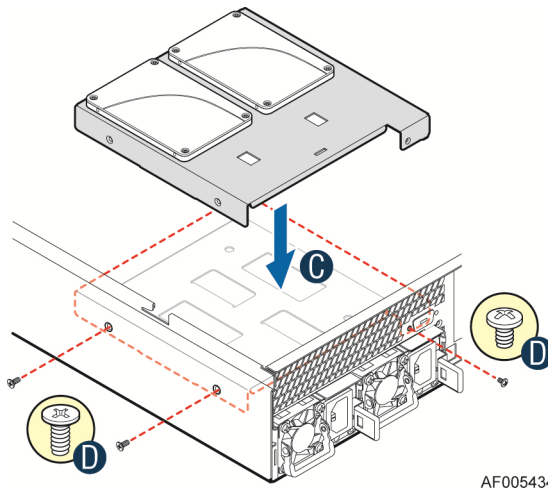*Note: The two 6-32 flat head screws are for the side wall and the one 4-40 screw is for the rear panel.*

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Figure 4. Install the bracket to server chassis

6. Connect the cables.