
Revision History

Version and Date	Description of Changes
34231-01, Rev. A, October 2011	Converted to the new template. Added a section for connecting an LSiIBBU07 unit on a remote mount board by a cable to a board-to-board adapter card on a RAID controller.
34231-00, Rev. D, September 2010	Listed the RAID controllers that use the LSiIBBU07 unit, and updated the installation procedures.
34231-00, Rev. C, August 2009	Added a section about remote connection using a daughter card, and updated the technical support information.
34231-00, Rev. B, December 2008	Added the procedure for connecting the LSiIBBU07 unit remotely.
34231-00, Rev. A, August 2007	Initial release.

LSI, the LSI & Design logo, and MegaRAID are registered trademarks of LSI Corporation or its subsidiaries. All other brand and product names may be trademarks of their respective companies.

LSI Corporation reserves the right to make changes to the product(s) or information disclosed herein at any time without notice. LSI Corporation does not assume any responsibility or liability arising out of the application or use of any product or service described herein, except as expressly agreed to in writing by LSI Corporation; nor does the purchase, lease, or use of a product or service from LSI Corporation convey a license under any patent rights, copyrights, trademark rights, or any other of the intellectual property rights of LSI Corporation or of third parties. LSI products are not intended for use in life-support appliances, devices, or systems. Use of any LSI product in such applications without written consent of the appropriate LSI officer is prohibited.

Corporate Headquarters
Milpitas, CA
800-372-2447

Email
globalsupport@lsi.com

Website
www.lsi.com

Document Number: 34231-01, Rev. A
Copyright © 2011 LSI Corporation
All Rights Reserved

MegaRAID LSIiBBU07 Intelligent Battery Backup Unit Quick Installation Guide

Thank you for purchasing the LSI® MegaRAID® LSIiBBU07 product. Before you install your RAID controller, take a few minutes to read this quick installation guide. This guide explains how to install the LSIiBBU07 unit directly on your RAID controller or connect the LSIiBBU07 unit remotely to the RAID controller.

LSI provides a family of MegaRAID intelligent battery backup units (iBBUs) for use with its high-performance MegaRAID RAID controllers. The LSI MegaRAID iBBUs provide an inexpensive alternative to using an uninterruptible power supply (UPS) and a second level of fault tolerance when used with a UPS.

If you need more information about any topic covered in this guide, refer to the related documents on your *MegaRAID Universal Software Suite* CD.

Product Overview

The LSIiBBU07 unit is a lithium ion (LiON), intelligent battery backup unit that protects the integrity of the cached data on a MegaRAID controller for up to 72 hours (depending on the derated retention time selected) in the event of a complete AC power failure or a brief power outage. The LSIiBBU07 unit is based on Lithium ion (LiON) battery cell technology.

You can connect the LSIiBBU07 unit in the following ways:

- **Mode 1:** Attach the LSIiBBU07 unit directly on the following MegaRAID SAS RAID controllers:
 - MegaRAID SAS 8880EM2
 - MegaRAID SAS 9260-4i
 - MegaRAID SAS 9260-8i
 - MegaRAID SAS 9260DE-8i
 - MegaRAID SAS 9261-8i
 - MegaRAID SAS 9280-4i4e
 - MegaRAID SAS 9280-8e
 - MegaRAID SAS 9280DE-8e
- **Mode 2:** Connect a 12-in. cable (sold separately in a Remote Battery Kit) between a remote LSIiBBU07 unit and the remote BBU connector on your RAID controller. Reinstall the RAID controller, and mount the LSIiBBU07 unit on the system chassis or motherboard. Use this mode with the following MegaRAID SAS RAID controllers:
 - MegaRAID SAS 9260-16i
 - MegaRAID SAS 9261-8i
 - MegaRAID SAS 9280-4i4e
 - MegaRAID SAS 9280-8e
 - MegaRAID SAS 9280DE-8e
 - MegaRAID SAS 9280-16i4e
 - MegaRAID SAS 9280-24i4e
- **Mode 3:** Connect a 12-in. cable between a remote LSIiBBU07 unit and a board-to-board cable adapter card on the RAID controller. Reinstall the RAID controller, and mount the LSIiBBU07 unit on the system chassis or motherboard. Use this mode with the following MegaRAID SAS RAID controllers:
 - MegaRAID SAS 8880EM2
 - MegaRAID SAS 9261-8i
 - MegaRAID SAS 9280-4i4e

- MegaRAID SAS 9280-8e
- MegaRAID SAS 9280DE-8e
- **Mode 4:** Connect a 12-in. cable between a LSIiBBU07 unit on a remote mount board and a board-to-board cable adapter card on the RAID controller. Reinstall the RAID controller, and then install the remote mount board. Use this mode with the following MegaRAID SAS RAID controllers:
 - MegaRAID SAS 8880EM2
 - MegaRAID SAS 9260-4i
 - MegaRAID SAS 9260-8i
 - MegaRAID SAS 9261-8i
 - MegaRAID SAS 9280-4i4e
 - MegaRAID SAS 9280-8e

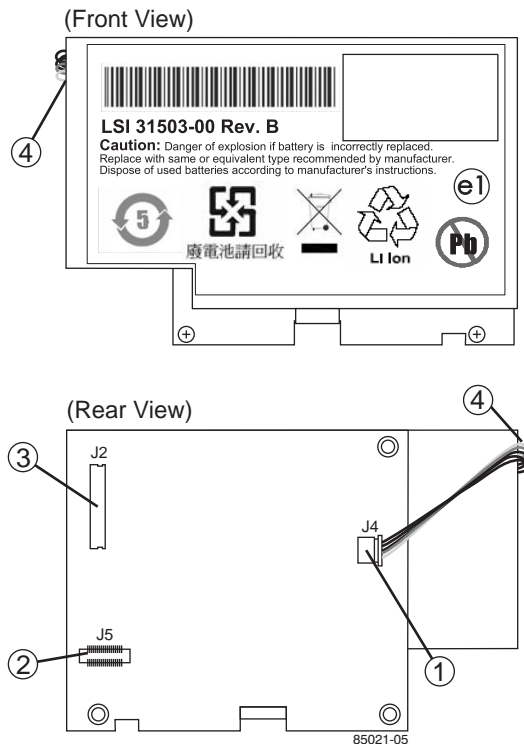


WARNING The battery used in this device might present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100 °C, or incinerate. Dispose of used battery properly. Keep away from children.

Front View and Rear View of the LSIiBBU07 Unit

The following figure shows the front view and the rear view of the LSIiBBU07 unit. The front view is the side that you can see after you install the LSIiBBU07 unit on the RAID controller. Note that the LSIiBBU07 unit combines a battery pack with a daughter card. The unit uses screws and standoffs to connect to the RAID controller.

Figure 1 Front View and Rear View of the LSIiBBU07 Unit



1. J4 Battery Pack harness Connector
2. J5 Board-to-Board Connector

