Installing Cache Protection for RAID 3108 Card on BigTwin Server

User's Guide

Revision 1.0
The information in this USER’S GUIDE has been carefully reviewed and is believed to be accurate. The vendor assumes no responsibility for any inaccuracies that may be contained in this document, makes no commitment to update or to keep current the information in this manual, or to notify any person organization of the updates. Please Note: For the most up-to-date version of this manual, please see our web site at [www.supermicro.com](http://www.supermicro.com).

Super Micro Computer, Inc. ("Supermicro") reserves the right to make changes to the product described in this manual at any time and without notice. This product, including software, if any, and documentation may not, in whole or in part, be copied, photocopied, reproduced, translated or reduced to any medium or machine without prior written consent.

DISCLAIMER OF WARRANTY ON SOFTWARE AND MATERIALS. You expressly acknowledge and agree that use of the Software and Materials is at your sole risk. FURTHERMORE, SUPER MICRO COMPUTER INC. DOES NOT WARRANT OR MAKE ANY REPRESENTATIONS REGARDING THE USE OR THE RESULTS OF THE USE OF THE SOFTWARE OR MATERIALS IN TERMS OF THEIR CORRECTNESS, ACCURACY, RELIABILITY, OR OTHERWISE. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY SUPER MICRO COMPUTER INC. OR SUPER MICRO COMPUTER INC. AUTHORIZED REPRESENTATIVE SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY. SHOULD THE SOFTWARE AND/OR MATERIALS PROVE DEFECTIVE, YOU (AND NOT SUPER MICRO COMPUTER INC. OR A SUPER MICRO COMPUTER INC. AUTHORIZED REPRESENTATIVE) ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICE, REPAIR, OR CORRECTION.

LIMITATION OF LIABILITY. UNDER NO CIRCUMSTANCES INCLUDING NEGLIGENCE, SHALL SUPER MICRO COMPUTER INC. BE LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES THAT RESULT FROM THE USE OR INABILITY TO USE THE SOFTWARE OR MATERIALS, EVEN IF SUPER MICRO COMPUTER INC. OR A SUPER MICRO COMPUTER INC. AUTHORIZED REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Any disputes arising between manufacturer and customer shall be governed by the laws of Santa Clara County in the State of California, USA. The State of California, County of Santa Clara shall be the exclusive venue for the resolution of any such disputes. Super Micro's total liability for all claims will not exceed the price paid for the hardware product.

Manual Revision 1.0.0
Release Date: 12/10/2018

Unless you request and receive written permission from Super Micro Computer, Inc., you may not copy any part of this document.

Information in this document is subject to change without notice. Other products and companies referred to herein are trademarks or registered trademarks of their respective companies or mark holders.

Copyright © 2018 by Super Micro Computer, Inc.
All rights reserved.
Printed in the United States of America
**Document Revision History**

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/10/2018</td>
<td>1.0</td>
<td>Initial document.</td>
</tr>
</tbody>
</table>
Contents
1 Introduction ......................................................................................................................................... 5
  1.1 RAID Card Cache Protection Components .................................................................................... 6
2 Installation ........................................................................................................................................... 7
Contacting Supermicro ........................................................................................................................ 9
1 Introduction

This guide is written for professional system integrators and PC technicians to become familiar with the optional parts BTR-TFM8G-LSICVM02 and BKT-BBU-BRACKET-05. The optional parts add cache protection to the RAID add-on module on the SuperServer BigTwin series.

1.1 RAID Card Cache Protection Components

The SuperServer BigTwin series’ RAID add-on module comes with the option to install cache protection. The components include two parts, BTR-TFM8G-LSICVM02 and BKT-BBU-BRACKET-05.

BTR-TFM8G-LSICVM02 includes a power cable, a SuperCap battery pack, a TFM module that connects to the RAID add-on module, and a battery pack bracket (not shown in Figure 2-1).

![Figure 2-1 BTR-TFM8G-LSICVM02](image1)

BKT-BBU-BRACKET-05 includes a mounting bracket.

![Figure 2-2 BKT-BBU-BRACKET-05](image2)
2 Installation

1. Install the battery pack bracket to the mounting bracket.

2. Install the SuperCap battery pack as shown in Figure 3-2.
3. Wrap the power cable as shown in Figure 3-2 and secure it to the mounting bracket with two seal locks.

4. Connect one end of the power cable to the SuperCap battery pack.

Figure 3-1. Install battery pack bracket

Figure 3-2. Install battery pack and wrap power cable
5. Install the TFM module onto the RAID add-on module as shown in Figure 3-3.

6. Install the RAID add-on module onto the motherboard.
7. Install the mounting bracket in slot 9-12.
8. Connect the remaining end of the power cable to the TFM module as shown in Figure 3-4.
Contacting Supermicro

Headquarters
Address: Super Micro Computer, Inc.
980 Rock Ave.
San Jose, CA 95131 U.S.A.
Tel: +1 (408) 503-8000
Fax: +1 (408) 503-8008
Email: marketing@supermicro.com (General Information)
support@supermicro.com (Technical Support)
Web Site: www.supermicro.com

Europe
Address: Super Micro Computer B.V.
Het Sterrenbeeld 28, 5215 ML
's-Hertogenbosch, The Netherlands
Tel: +31 (0) 73-6400390
Fax: +31 (0) 73-6416525
Email: sales@supermicro.nl (General Information)
support@supermicro.nl (Technical Support)
rma@supermicro.nl (Customer Support)
Web Site: www.supermicro.com.nl

Asia-Pacific
Address: Super Micro Computer, Inc.
3F, No. 150, Jian 1st Rd.
Zhonghe Dist., New Taipei City 235
Taiwan (R.O.C)
Tel: +886-(2) 8226-3990
Fax: +886-(2) 8226-3992
Email: support@supermicro.com.tw
Web Site: www.supermicro.com.tw