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Returning Merchandise for Service

A receipt or copy of your invoice marked with the date of purchase is required before any warranty service will be rendered. You can obtain service by calling your vendor for a Returned Merchandise Authorization (RMA) number. When returning to the manufacturer, the RMA number should be prominently displayed on the outside of the shipping carton, and mailed prepaid or hand-carried. Shipping and handling charges will be applied for all orders that must be mailed when service is complete.

For faster service, RMA authorizations may be requested online (http://www.supermicro.com/support/rma/).

Whenever possible, repack the backplane in the original Supermicro box, using the original packaging materials. If these are no longer available, be sure to pack the backplane in an anti-static bag and inside the box. Make sure that there is enough packaging material surrounding the backplane so that it does not become damaged during shipping.

This warranty only covers normal consumer use and does not cover damages incurred in shipping or from failure due to the alteration, misuse, abuse or improper maintenance of products.

During the warranty period, contact your distributor first for any product problems.
Chapter 1

Safety Guidelines

To avoid personal injury and property damage, carefully follow all the safety steps listed below when accessing your system or handling the components.

1-1  ESD Safety Guidelines

*Electrostatic Discharge (ESD) can damage electronic components. To prevent damage to your system, it is important to handle it very carefully. The following measures are generally sufficient to protect your equipment from ESD.*

- Use a grounded wrist strap designed to prevent static discharge.
- Touch a grounded metal object before removing a component from the antistatic bag.
- Handle the backplane by its edges only; do not touch its components, peripheral chips, memory modules or gold contacts.
- When handling chips or modules, avoid touching their pins.
- Put the card and peripherals back into their antistatic bags when not in use.

1-2  General Safety Guidelines

- Always disconnect power cables before installing or removing any components from the computer, including the backplane.
- Disconnect the power cable before installing or removing any cables from the backplane.
- Make sure that the backplane is securely and properly installed on the motherboard to prevent damage to the system due to power shortage.
1-3 **An Important Note to Users**

All images and layouts shown in this user’s guide are based upon the latest PCB Revision available at the time of publishing. The card you have received may or may not look exactly the same as the graphics shown in this manual.

1-4 **Introduction to the SAS-2PT Backplane**

The SAS-2PT backplane has been designed to utilize the most up-to-date technology available, providing your system with reliable, high-quality performance.

This manual reflects SAS-2PT Revision 1.00, the most current release available at the time of publication. Always refer to the Supermicro Web site at www.supermicro.com for the latest updates, compatible parts and supported configurations.
The SAS-2PT backplanes features the following front connectors:

**Front Connectors**
1. Power Connector: (4-pin) JP10
2. SATA Connector #0: (7-pin), J5, connect to cable.
3. SATA Connector #1: (7-pin), J7, connect to cable.
2-2 Front Connector and Pin Definitions

1. Power Connector

The 4-pin connector designated JP10 provides power to the backplane. See the table on the right for pin definitions.

<table>
<thead>
<tr>
<th>Pin#</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>+12V</td>
</tr>
<tr>
<td>2 and 3</td>
<td>Ground</td>
</tr>
<tr>
<td>4</td>
<td>+5V</td>
</tr>
</tbody>
</table>

2. - 3. SATA Connectors

The SATA connectors are used to connect the SATA drive cables. The two connectors are designated #0 and #1. Each connector is compatible with SATA and SAS drives.
2-3 Rear Connectors and LED Indicators

Figure 2-2: Rear Components

<table>
<thead>
<tr>
<th>Rear SAS/SATA Connectors</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear Connector</td>
<td>Connector Number</td>
<td>SAS/SATA Drive Number</td>
</tr>
<tr>
<td>SAS #0</td>
<td>J1</td>
<td>SAS/SATA HDD #0</td>
</tr>
<tr>
<td>SAS #1</td>
<td>J3</td>
<td>SAS/SATA HDD #1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rear LED Indicators</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear Connector</td>
<td>Hard Drive Activity</td>
<td>Failure LED</td>
</tr>
<tr>
<td>SAS #0</td>
<td>ACT0, D12</td>
<td>FAIL0, D5</td>
</tr>
<tr>
<td>SAS #1</td>
<td>ACT1, D14</td>
<td>FAIL1, D7</td>
</tr>
</tbody>
</table>
Disclaimer (cont.)

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