Installing a ROMB Card

安装 ROMB 卡

Installation de la carte ROMB

Installation einer ROMB-Karte

ROMB カードのインストール

ROMB 카드 설치

Instalación de una tarjeta ROMB

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Notes, Notices, and Cautions

NOTE: A NOTE indicates important information that helps you make better use of your computer.

NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

CAUTION: A CAUTION indicates a potential for property damage, personal injury, or death.

This document explains how to install your system's optional RAID on motherboard (ROMB) card. Your upgrade kit includes the ROMB card, RAID software, and RAID software documentation.

⚠ **CAUTION: The power supplies in this system may produce high voltages and energy hazards, which can cause bodily harm. Only trained service technicians are authorized to open the system and access any of the components inside the system. Read and follow all safety precautions in your *System Information* document.**

🡒 **NOTICE:** To avoid possible data loss, back up all data on the hard drives before changing the mode of operation of the integrated SCSI controller from SCSI to RAID.

📝 **NOTE:** The ROMB card supports only SCSI drives connected to the internal SCSI backplane, or external SCSI drives in a Dell™ PowerVault™ 2*xx* storage enclosure.

⚠ **CAUTION: Your system may have more than one power supply cable. To reduce the risk of electrical shock, turn off the system and disconnect all power supply cables before servicing the system. For more information, see "Safety First—For You and Your Computer" in your *Installation and Troubleshooting Guide.***

Before You Begin

🡒 **NOTICE:** Before installing the ROMB card, you must update your BIOS to the latest version.

Before shutting down your system prior to installing the ROMB card, you must perform these preliminary steps to ensure system compatibility with the new card:

1   Record the system configuration settings.

2   Update the BIOS.

Record the System Configuration

View the system configuration screens in the System Setup program and make a record of these settings. See the system's *User's Guide* for instructions on using the System Setup program.

Update the BIOS

Update your system with the latest version of the BIOS, available at the Dell | Support website at **support.dell.com**.

Installing the ROMB Card

1   Turn off the system, including any attached peripherals, and disconnect the system from the electrical outlet.

2   Open the system doors (see "Opening the System Doors" in your system *Installation and Troubleshooting Guide*).

3   Locate the ROMB card connector on the system board (see Figure 1-1).

4   Align the edges of the ROMB card with the three plastic standoffs on the system board and lower the card onto the system board (see Figure 1-1).

    When the card is fully seated, the three plastic standoffs snap over the card's edge.

5   Secure the ROMB card with the thumbscrew (see Figure 1-1).

6   Ensure that the ROMB battery (see Figure 1-1) is connected to the ROMB card.

    If necessary, connect the ROMB battery cable.

⚠ **CAUTION: Replace the ROMB card battery only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions. See your *System Information* document for additional information.**

7   Close the system covers.

8   Reconnect the system and peripherals to their power sources, and turn them on.

9   Enter the System Setup program and verify that the setting for the SCSI controller has changed to reflect the presence of the RAID hardware (see "Using the System Setup Program" in your *User's Guide*).

10 Configure RAID arrays on the SCSI hard drives (see the software documentation provided with the ROMB card for more information).

Figure 1-1. Installing the ROMB Card

ROMB battery

ROMB card

thumbscrew

system board

ROMB card connector

plastic standoffs (3)