

Dell™ PowerEdge™ 1550 and PowerApp™ 120 Systems

Five-Volt Riser Board Installation



Notes, Notices, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, notices, cautions, and warnings, and they are used as follows:



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

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 potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



WARNING: A WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious bodily injury.

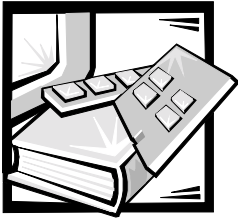
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Five-Volt Riser Board Installation

Dell now offers a Peripheral Component Interconnect (PCI) riser board for use with customer-furnished five-volt (5V) PCI cards. Dell does not currently support any 5V PCI cards installed in the Dell™ PowerEdge™ 1550 or PowerApp™ 120 systems. This 5V riser board is furnished for the customer's convenience.

These systems have one fixed expansion-card connector and one removable riser board with a single expansion-card connector, which simplifies many installation procedures by allowing the user to remove the riser board and its installed expansion card in a single step.

Expansion-Card and Riser-Board Removal

To remove the riser board and its installed expansion card, perform the following steps.



NOTE: If the system is mounted high in the rack, you may find it easier to completely remove the system from the rack before performing this procedure.

1. Shut down the system and turn off power to the system.
2. Disconnect the power cable from the back of the system chassis.
3. Loosen the front-panel thumbscrews securing the front panel to the rack and pull the system chassis out of the top cover to its fully extended position.
4. Label and disconnect any cables connected to the expansion card through the back-panel opening.
5. Release the expansion-card bracket by loosening the thumbscrew on the back panel and rotating the latch away from the expansion-card bracket.

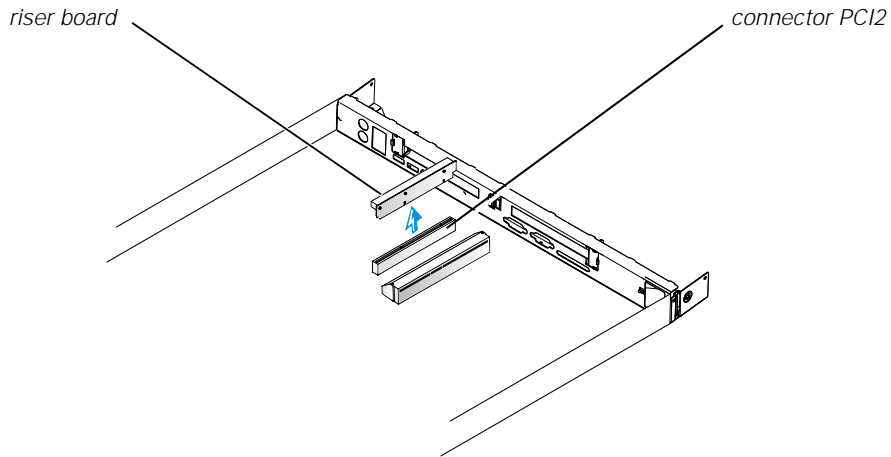


Figure 1-1. Riser Board Removal

6. Lift the riser board up and away from the chassis (see Figure 1-1).

5V Riser Board Installation

Lower the 5V riser board into connector PCI2 on the system board, making sure that the riser board is fully seated in the connector.

The 5V riser board contains a single 64-bit, 33-MHz PCI expansion-card connector.



NOTE: Connector PCI1 supports a single short 64-bit, 66-MHz expansion card in its fixed socket on the system board.

Expansion-Card Installation

To install an expansion card on the 5V riser board, perform the following steps.

NOTICE: Full-length 5V PCI cards can be installed only in connector PCI2 via the 5V riser board. When a full-length card is in this connector, a secondary microprocessor cannot occupy the PROCESSOR2 socket. A terminator module must occupy the PROCESSOR2 socket.



NOTE: If the system is mounted high in the rack, you may find it easier to completely remove the system from the rack before performing this procedure.

1. Shut down the system and turn off power to the system.
2. Disconnect the power cable from the back of the system chassis.

3. Loosen the front-panel thumbscrews securing the front panel to the rack and pull the system chassis out of the top cover to its fully extended position.
4. Prepare the expansion card for installation.

See the documentation that came with the expansion card for information on configuring the card, making internal connections, or otherwise customizing the card for the system.
5. To install the card, first align the metal mounting bracket with its slots on the back panel and then insert the card-edge connector firmly into the connector on the 5V riser board (see Figure 1-2).

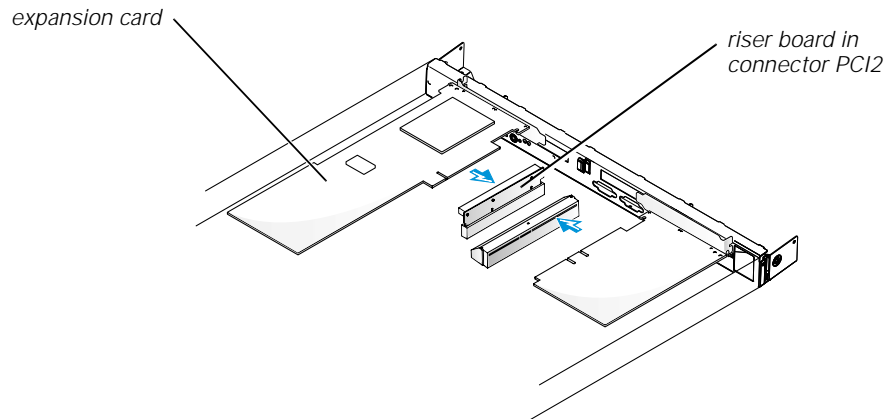


Figure 1-2. Expansion-Card Installation

6. When the card is firmly seated in the connector and the card-mounting bracket is aligned with the brackets on either side of it, close the expansion-card latch and tighten the thumbscrew.
7. If the expansion card is a full-length card, secure the inner end of the card by closing the plastic latch on the card guide over the top edge of the card.
8. Connect any cables that should be attached to the card.

See the documentation that came with the card for information about cable connections.
9. Slide the system into the rack and the top cover, and then reconnect the system and peripherals to their AC power sources and turn them on.

