



CHAPTER 10

Installing and Replacing CompactFlash Memory Cards on Cisco 1800 Series Routers (Modular)

This chapter describes installing and replacing CompactFlash memory cards in Cisco 1800 series integrated services routers (ISR) (modular). You can perform these procedures when the router has been installed in its working location with all power and interface cables connected. This chapter contains the following sections:

- [Preventing Electrostatic Discharge Damage, page 10-1](#)
- [Replacing CompactFlash Memory Cards, page 10-1](#)

Preventing Electrostatic Discharge Damage

CompactFlash memory cards are sensitive to electrostatic discharge (ESD) damage. ESD damage, which can occur when electronic cards or components are handled improperly, results in intermittent or complete failures.

To prevent ESD damage, follow these guidelines:

- Always use an ESD wrist or ankle strap and ensure that it makes good skin contact.
- Connect the equipment end of the strap to an unfinished chassis surface.
- Place a removed CompactFlash memory card on an antistatic surface or in a static shielding bag. If the card will be returned to the factory, immediately place it in a static shielding bag.
- Avoid contact between the card and clothing. The wrist strap protects the card from ESD voltages on the body only; ESD voltages on clothing can still cause damage.
- Do not remove the wrist strap until the installation is complete.



Caution

For safety, periodically check the resistance value of the antistatic strap. The measurement should be between 1 and 10 megohms (Mohms).

Replacing CompactFlash Memory Cards

This section describes how to remove and install CompactFlash memory cards.

Removing a CompactFlash Memory Card

To remove a CompactFlash memory card from an external slot, follow these steps:



Caution

If the CF LED is on or blinking, do not remove the CompactFlash memory card. The router could crash, or the flash memory contents could be corrupted.

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- Step 1** Press the ejector button next to the CompactFlash memory card. The ejector button moves outward so that it projects from the panel.
 - Step 2** Press the ejector button again to unseat the card.
 - Step 3** Carefully pull the card out of the slot.
 - Step 4** Place the removed CompactFlash memory card on an antistatic surface or in a static shielding bag.
 - Step 5** Push the ejector button in until it clicks.
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Caution

To prevent damage to the ejector mechanism, the ejector button must remain fully seated when not being used to eject a CompactFlash memory card.

Installing a CompactFlash Memory Card

To install a CompactFlash memory card, follow these steps:

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- Step 1** Make sure that the ejector button is fully seated so that it does not project from the panel.



Note

If the ejector button projects from the panel, push it in until it clicks.

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- Step 2** With the label facing up, insert the connector end of the CompactFlash memory card into the slot until the card is seated in the connector. The card is keyed so that it cannot be inserted incorrectly.



Note

If the ejector button projects from the panel after you insert the CompactFlash memory card, remove the card, press the ejector button until it clicks, and reinsert the card.



Caution

To prevent damage to the ejector mechanism, the ejector button must remain fully seated when not being used to eject a CompactFlash memory card.

Using the Compact Flash Guard

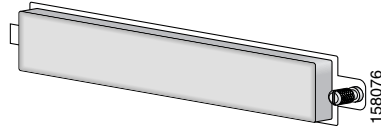
The Compact Flash guard (CF-guard) provides protection for the compact flash memory slot.

**Note**

A small flat-head screwdriver is required to attach the CF-guard.

To install the CF-guard, follow these steps:

Step 1 Unpack the CF-guard.



Step 2 Slip the CF-guard flap into the notch in the CompactFlash memory slot.

Step 3 Screw the CF-guard into the screw hole.

