

53-1001805-01  
January 31, 2010



# SFP, SFP+, and XFP Optical Transceiver

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## Replacement Procedure

53-1001805-01



## Notes, Cautions, and Warnings

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### NOTE

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

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### CAUTION

See the safety and regulatory information that shipped with your system. For additional regulatory information, see the Regulatory Compliance Homepage on [www.dell.com](http://www.dell.com) at the following location: [www.dell.com/regulatory\\_compliance](http://www.dell.com/regulatory_compliance).

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### CAUTION

A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

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### DANGER

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

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Regulatory Model Codes: Brocade DCX-4S, Brocade DCX

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## Installing an SFP, SFP+, or XFP Optical Transceiver

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### NOTE

The XFP transceivers are used only with the FC10-6 port card.

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Switches and blades that employ transceivers typically have them arranged in two rows, back to back. On most switches and the DCX-4S Backbone, that means that the bottom row of transceivers is upside down in relation to the top row.

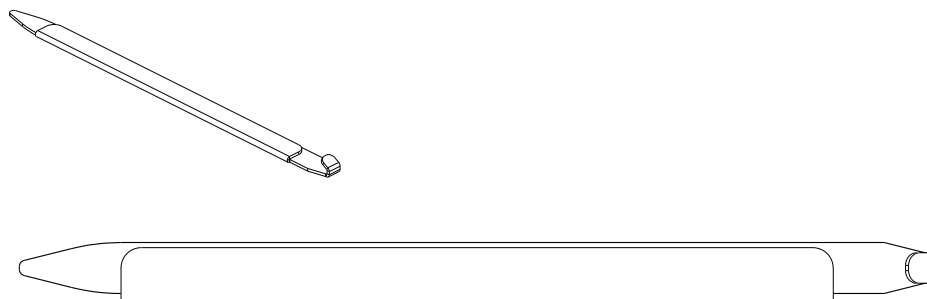
## Time required

The replacement procedure for an SFP or XFP takes less than five minutes.

## Items required

- Replacement SFP, SFP+, or XFP
- Optical transceiver extraction tool

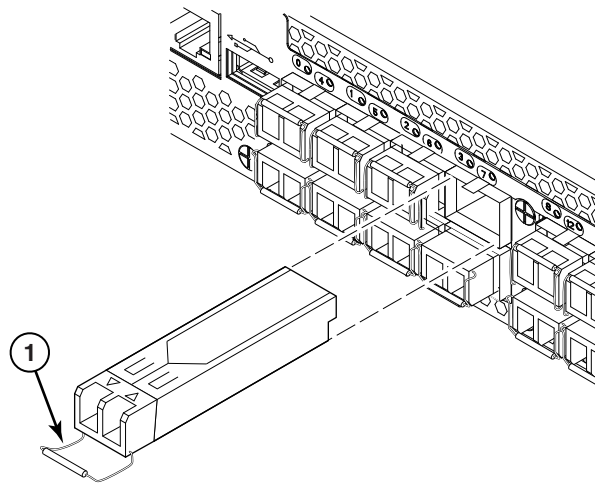
Most Brocade switches and backbones come with a transceiver extraction tool ([Figure 1](#)) and holster. The extraction tool is designed to remove transceivers from switches and blades where the space is limited.



**FIGURE 1** Optical transceiver (SFP, SFP+, and XFP) extraction tool

## Removing a transceiver

1. Remove any cables that are inserted into the transceiver. Use the extraction tool to open the cable latching mechanism.
2. Pull the bail (wire handle) away from its pivot point and out, sliding the transceiver out of the switch or blade (Figure 2).



- 1 SFP/XFP bail

**FIGURE 2** Installing an optical transceiver in the upper row of port slots

## Replacing a transceiver

1. Position the optical transceiver so that the key is oriented correctly to the port. Insert the transceiver into the port until it is firmly seated and the latching mechanism clicks.

Transceivers are keyed so that they can only be inserted with the correct orientation. If a transceiver does not slide in easily, ensure that it is correctly oriented.

2. Position a cable so that the key (the ridge on one side of the cable connector) is aligned with the slot in the transceiver. Insert the cable into the transceiver until the latching mechanism clicks.

Cables are keyed so that they can be inserted in only one way. If a cable does not slide in easily, ensure that it is correctly oriented.