



## CHAPTER 9

# Installing Interface Cards in Cisco 1800 Series Routers (Modular)

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## Cisco Interface Cards Installation Guide

The *Cisco Interface Cards Installation Guide* contains the procedures for installing the various types of interface cards in external chassis slots. Interface cards supported by the Cisco 1800 series integrated services routers (modular) include the following types:

- Voice-WAN interface cards (VWICs)—data only on the Cisco 1841 router
- WAN interface cards (WICs)
- High-speed WAN interface cards (HWICs)

You can view the *Cisco Interface Cards Installation Guide* on Cisco.com.

## Related Product Documentation

The following documentation is related to your product. This document was not shipped with your product, but you can access it on Cisco.com.

- *Cisco Network Modules and Interface Cards Regulatory Compliance and Safety Information*

## Installing WICs, VWICs, and HWICs

This section describes how to install WICs, VWICs, and HWICs into Cisco 1800 series routers.



### Caution

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Do not connect a WAN cable to an interface card until you have completed its installation procedure.

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The Cisco 1841 router has two interface card slots. Each slot can accommodate a Cisco WIC, VWIC (data only mode), or a single-wide high-speed WIC (HWIC).



### Note

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Cisco double-wide HWICs are *not* supported in the Cisco 1841 router.

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To install a card in a Cisco 1841 router, follow these steps:

- Step 1** Make sure that the router is turned off and is disconnected from power.

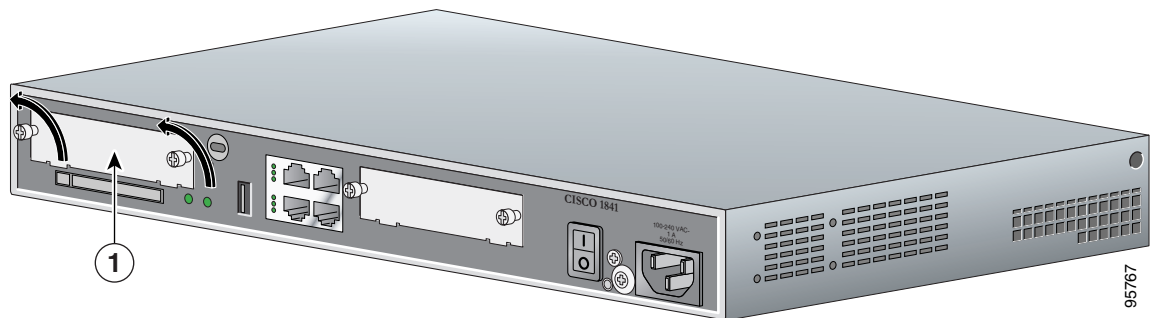


**Caution**

Power must be removed from the system prior to installing or removing interface cards to avoid damaging them. When interface cards are pushed into or pulled out of a router that is powered up, there is a strong possibility that they could be damaged electrically and would no longer function.

- Step 2** Loosen the thumbscrews on the interface card blank faceplate on the back panel, as shown in [Figure 9-1](#). You should be able to loosen the screws using your fingers; however, if the screws are very tight, you might need to use a Phillips screwdriver.

**Figure 9-1** Removing an Interface Card Blank Faceplate

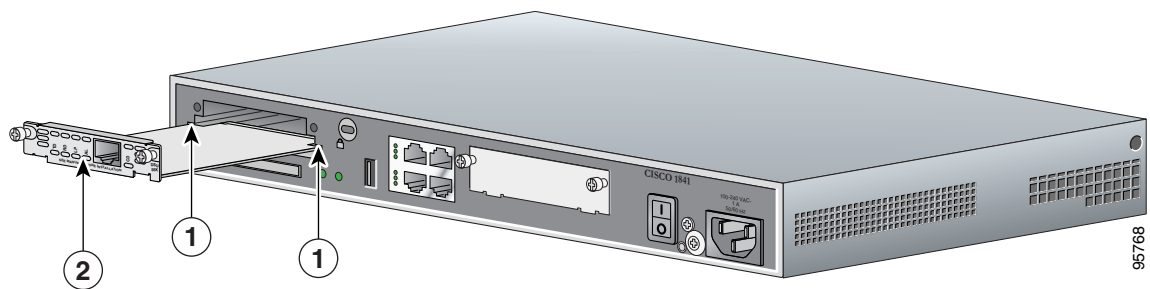


<b>1</b>	Blank faceplate
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- Step 3** Remove the blank faceplate that covers the card slot.

- Step 4** Hold the interface card by the edges on either side of the card front panel, and line up the card edges with the guides inside the card slot, as shown in [Figure 9-2](#).

**Figure 9-2** Inserting an Interface Card into the Router



<b>1</b>	Card guides
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<b>2</b>	Interface card
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- Step 5** Insert the card in the slot, and gently push it into the router until the front panel of the card is flush with the back panel of the router.
- Step 6** Tighten the screws.
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