Connecting Cisco 4-Port FXS/DID Voice Interface Cards

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Overview

This document provides an overview of Cisco interface cards and explains how to install the Cisco 4-port FXS/DID voice interface card (VIC3-4FXS/DID). It contains the following sections:

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For an overview of Cisco interface cards used for Cisco access routers, see the *Cisco Interface Cards for Cisco Access Routers* document.

Accessibility

These HWICs can be configured using the Cisco command-line interface (CLI). The CLI conforms to code 508 because it is text based and it relies on a keyboard for navigation. All functions of the router can be configured and monitored through the CLI.

For a complete list of guidelines and Cisco products' adherence to accessibility, see Cisco Accessibility Products at the following URL:

http://www.cisco.com/web/about/responsibility/accessibility/products

4-Port FXS/DID Voice Interface Cards

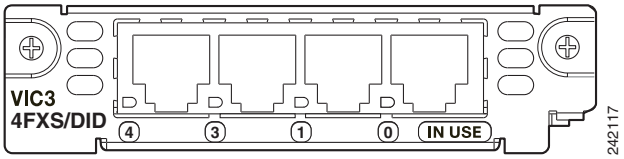
This section describes 4-port FXS/DID interface cards and how to connect them to a network.

Cisco voice interface cards (VICs) support voice technologies. VICs can be installed in interface card slots on supported Cisco access routers or in 1- or 2-slot voice network modules that are installed in network module slots on supported Cisco access routers.

A Foreign Exchange Station (FXS)/Direct Inward Dialing (DID) interface connects directly to a standard telephone, fax machine, or similar device. This interface supplies ringing voltage, dial tone, and so on to the station.

Figure 1 shows the Cisco 4-port FXS/DID voice interface card.

Figure 1 Cisco 4-Port FXS/DID VIC Front Panel (VIC3-4FXS/DID)



Cisco 4-Port FXS/DID Voice Interface Card LEDs

The Cisco 4-port FXS/DID VIC has one IN USE LED for each port. Table 1 describes the functions of the LEDs.

Table 1 Cisco 4-Port FXS/DID VIC LEDs

LED status	Description
Green	Monitored port is active (has initialized without error).
Yellow	Monitored port is not ready.
Off	Monitored port is not active or (has failed to initialize).

Supported Platforms

This Cisco voice interface card (VIC3-4FXS/DID) is supported on the following Cisco routers:

- Cisco 2800 series routers, including the Cisco 2801, Cisco 2811, Cisco 2821, and Cisco 2851
- Cisco 3800 series routers, including the Cisco 3825 and Cisco 3845
- Cisco IAD2430 series routers
- Cisco UC520-x series routers

Note Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. Access Cisco Feature Navigator at http://www.cisco.com/go/fn. You must have an account on Cisco.com. If you do not have an account or have forgotten your username or password, click **Cancel** at the login dialog box and follow the instructions that appear.

Before connecting a VIC to the network, ensure that the VIC is installed in the router, the equipment is properly grounded, and you have the proper cables for connecting the VIC to the network. This section describes the preparation necessary before connecting a 4-port FXS/DID VIC to the network.

Installing a Cisco 4-Port FXS/DID Voice Interface Card

Install the Cisco 4-port FXS/DID VIC according to the instructions in the *Installing Cisco Interface Cards in Cisco Access Routers* document.

Caution WAN interface cards and voice interface cards are not interchangeable. Voice interface cards cannot be installed in a WAN interface card slot or in a 2-slot WAN network module. To prevent damage to the card, confirm that the slot or network module that you intend to use supports the VIC that you intend to install.

Grounding

Ensure that the equipment you are working with is properly grounded according to the instructions in the *Installing Cisco Interface Cards in Cisco Access Routers* document.

Cables

Use a standard straight-through RJ-11 modular telephone cable to connect a VIC3-4FXS/DID to a telephone or fax machine.

Warning **This equipment contains a ring signal generator (ringer), which is a source of hazardous voltage. Do not touch the RJ-11 (phone) port wires (conductors), the conductors of a cable connected to the RJ-11 port, or the associated circuit-board when the ringer is active. The ringer is activated by an incoming call.** Statement 1042

Warning **For connections outside the building where the equipment is installed, the following ports must be connected through an approved network termination unit with integral circuit protection: FXS.** Statement 1044

Connecting Cisco 4-Port FXS/DID Voice Interface Cards

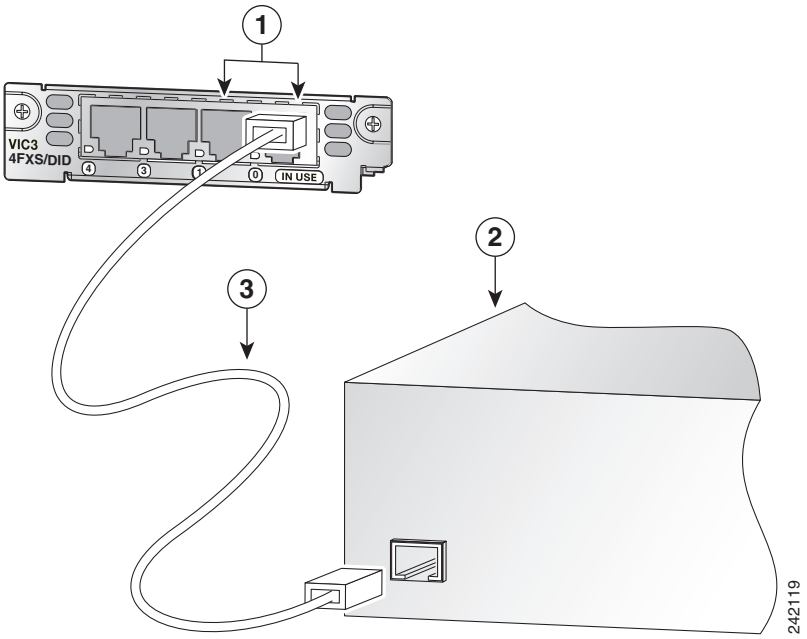
To connect the Cisco 4-port FXS/DID VIC, follow these steps:

Step 1 Confirm that the router is turned off.

Step 2 Connect one end of the straight-through RJ-11 cable to an RJ-11 port on the card. (See Figure 2.)

Note Ports on this interface card are colored gray.

Figure 2 Cisco 4-Port FXS/DID VIC (VIC3-4FXS/DID)



1	RJ-11 ports	**3**	Straight-through RJ-11-to-RJ-11 cable
2	Fax machine		

Step 3 Connect the other end of the cable to the RJ-11 port on the telephone or fax machine.

Step 4 Power up the router.

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

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