



# About This Guide

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This section discusses the objectives, audience, organization, and conventions of the *Cisco 700 Series Installation and Configuration Guide*.

Cisco documentation and additional literature are available on a CD-ROM called Cisco Connection Documentation, Enterprise Series. The CD is updated and shipped monthly, so it might be more current than printed documentation. To order the Cisco Connection Documentation, Enterprise Series CD, contact your local sales representative or call Customer Service. The CD is available both as a single CD and as an annual subscription. You can also access Cisco technical documentation on the World Wide Web (WWW) URL <http://www.cisco.com>.

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**Note** The Cisco Connection Documentation, Enterprise Series CD was previously called UniverCD.

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## Document Objectives

This publication guides you through initial site preparation, installation, configuration, and troubleshooting of the Cisco 700 series routers.

## Audience

This publication is designed for the person installing the Cisco 700 series routers who should be familiar with electronic circuitry and wiring practices and have experience as an electronic or electromechanical technician.

This publication is to be used in conjunction with the *Cisco 750 Series and Cisco 760 Series Command Reference* publication, which includes all software commands used with the routers. For advanced configuration applications, refer to the *Cisco ConnectPro User Guide*.

## Document Organization

The major sections of this publication are as follows:

- Chapter 1, “Overview of Cisco 700 Series Routers,” contains an overview of the Cisco 700 series feature set and physical specifications.
- Chapter 2, “Preparing to Install Cisco 700 Series Routers,” contains safety recommendations, connection preparations, and console and auxiliary port cable connection considerations.
- Chapter 3, “Installing Cisco 700 Series Routers,” contains installation, configuration, and cabling information for the Cisco 700 series routers.
- Chapter 4, “Configuring a Cisco 700 Series Router with a CiscoPro CPA900 or Cisco 700 Series Router,” contains step-by-step instructions for configuring the Cisco 700 series routers to operate with a CiscoPro CPA900 series router in various routing environments.
- Chapter 5, “Configuring Cisco 700 Series Routers with a Router Running Cisco IOS Software,” contains step-by-step instructions for configuring the Cisco 700 series routers with a router running Cisco Internetwork Operating System (Cisco IOS) software in various routing environments.
- Chapter 6, “Using IP Filters with Cisco 700 Series Routers,” describes how the Cisco 700 series routers implement IP filters.
- Chapter 7, “Using an Analog Telephone with Cisco 700 Series Routers,” contains instructions on how to configure an analog telephone device connected to the router, including how to make data calls over voice lines, and how to use call waiting and call hold.
- Chapter 8, “Troubleshooting Cisco 700 Series Routers,” contains instructions on troubleshooting any problems that might occur with the Cisco 700 series routers.

- Appendix A, “Cisco IOS Software Interoperability with the Cisco 700 Series Routers,” describes interoperability issues when connecting a Cisco 700 series router to a router running Cisco IOS software.
- Appendix B, “Provisioning the ISDN BRI Line for Cisco 700 Series Routers,” describes how to order and configure the Integrated Services Digital Network (ISDN) Basic Rate Interface (BRI) line correctly to operate with the Cisco 700 series routers.
- Appendix C, “Using Profiles with Cisco 700 Series Routers,” describes how to use profiles when operating a Cisco 700 router.
- Appendix D, “Cabling Specifications for Cisco 700 Series Routers,” contains pinouts for cables used with the Cisco 700 series routers.
- Appendix E, “Configuring Cisco 750 Series Routers to Operate as an Ethernet Hub,” describes how to configure the Cisco 750 series routers to function as an Ethernet hub.
- Appendix F, “Configuring Termination for Cisco 700 Series Routers,” describes how to configure router termination for the Cisco 700 series routers.
- Appendix G, “Cisco 700 Series Routers ISDN BRI Cause Values,” lists and describes ISDN cause values and cause message that the ISDN switch might send to the router to indicate ISDN call status.
- Appendix H, “Internetworking Background,” describes background information on internetworking topics (such as Ethernet, ISDN, routing, and bridging) that can assist the user when operating the Cisco 700 series routers.
- Appendix I, “Translated Safety Warnings,” contains translations of all the warning statements that appear in this guide.

## Document Conventions

This publication uses the following conventions to convey instructions and information:

Command descriptions use these conventions:

- Commands and keywords are in **boldface** font.
- Variables for which you supply values are in *italic* font.
- Elements in square brackets ( [ ] ) are optional.

## Document Conventions

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- Alternative but required keywords are grouped in braces ({ }) and are separated by a vertical bar (|).

Examples use the following conventions:

- Terminal sessions are in `screen` font.
- Information you enter is in **boldface** `screen` font.
- Nonprinting characters are shown in angle brackets (< >).
- Information the system displays is in `screen` font, with default responses in square brackets ([ ]).

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**Note** Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.

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**Timesaver** This symbol means *the described action saves time*. You can save time by performing the action described in the paragraph.



**Caution** This symbol means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.



**Warning** This warning symbol means *danger*. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. (To see translated versions of this warning, refer to the appendix “Translated Safety Warnings.”)