About This Guide

This section discusses the objectives, audience, organization, and conventions of the *Cisco AS5200 Universal Access Server Installation Guide*.

All Cisco technical documentation and additional literature are available on the Cisco Connection Documentation, Enterprise Series CD-ROM, Cisco's online library of product information. The Cisco Connection Documentation CD-ROM is updated and shipped monthly, so it might be more up to date than printed documentation. The Cisco Connection Documentation CD-ROM is available both as a single CD and as an annual subscription. To order the Cisco Connection Documentation CD-ROM, contact your local sales representative or call Customer Service.

Document Objectives

This publication steps you through the initial site preparation, installation, configuration and troubleshooting of the Cisco AS5200. It also covers selected maintenance procedures.

Audience

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

For more advanced configuration applications, refer to the Cisco Internetwork Operating System (Cisco IOS) configuration guides and command references.

Document Organization

The major sections of this installation guide are as follows:

- Chapter 1, "Cisco AS5200 Universal Access Server Overview," discusses the features and specifications of the routers.

- Chapter 2, "Preparing for the Cisco AS5200 Universal Access Server," discusses environmental requirements and preparation for network connections and describes the various ports and how to prepare for connections between networks and ports.

- Chapter 3, "Installing the Cisco AS5200 Universal Access Server," includes basic installation information and discusses making connections to your LAN, WAN, console terminal, and modem.

- Chapter 4, "Configuring the Cisco AS5200 Universal Access Server," discusses how to configure the Cisco AS5200 using the manual setup utility, AutoInstall, or the prompt-driven System Configuration Dialog.

- Appendix A, "Maintaining the Cisco AS5200 Universal Access Server," discusses maintenance procedures, including replacing the Boot ROMs, installing primary memory dynamic random-access memory (DRAM) single in-line memory modules (SIMMs), replacing the system-code SIMMs, recovering a lost enable password, and changing the virtual configuration register settings.

- Appendix B, "Troubleshooting the Cisco AS5200," provides troubleshooting procedures, such as reading the LEDs and running diagnostic tests.

- Appendix C, "Cabling Specifications for the Cisco AS5200," provides pinouts for the Cisco AS5200 ports and cables.

- Appendix D, "Translated Safety Warnings," contains translations in multiple languages of the warnings 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.

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

Examples use these conventions:

- Terminal sessions and information the system displays are in screen font.

- Information you enter is in **boldface screen** font.

- Nonprinting characters are in angle brackets (< >).

- Default responses to system prompts are in square brackets ([ ]).

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

Timesaver   Means *the described action saves time.* You can save time by performing the action described in the paragraph.

Caution   Means r*eader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Warning   Means *danger*. You are in a situation that could cause bodily injury. Before you work on any equipment, you must 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)."

Document Conventions