



About This Guide

This section discusses the objectives, audience, organization, and conventions of this publication.

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. The CD is available both as a single CD and as an annual subscription. To order the CD, contact your local sales representative or call Cisco Customer Service. You can also access Cisco technical documentation on the World Wide Web URL <http://www.cisco.com>.

Document Objectives

This publication describes the initial site preparation, installation, configuration, and troubleshooting of the access server. This guide 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,” describes the features and specifications of the routers.
- Chapter 2, “Preparing to Install the Universal Access Server,” specifies 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 Universal Access Server,” provides instructions for basic installation and making connections to your LAN, WAN, console terminal, and modem.
- Appendix A, “Maintaining the 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 Universal Access Server,” provides troubleshooting procedures, such as reading the LEDs and running diagnostic tests.
- Appendix C, “Cabling Specifications for the Universal Access Server,” provides pinouts for the access server ports and cables.

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

Document Conventions



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 Regulatory Compliance and Safety Information document that accompanied the access server.)