About This Manual

This manual is for the networking professional installing and maintaining the FastHub 116T+ and FastHub 116C+ repeaters; hereafter both are referred to as the FastHub when discussing features common to both. It is assumed that readers of this manual are familiar with the concepts and terminology of Ethernet and local area networking.

Chapter Contents

This manual is organized as follows:

Chapter 1, "Overview," describes the FastHub features and associated benefits.

Chapter 2, "Installing the FastHub," contains preinstallation guidelines and procedures for installing the FastHub in a rack or on a desktop or table. Also included are procedures for installing the optional port expansion module and the network management module (NMM). The "Building a Hub Stack" section discusses the benefits of interconnecting hubs and provides a detailed interconnection procedure.

Chapter 3, "Making Network Connections," provides cabling guidelines for determining how the FastHub can best fit into your environment. This chapter also describes how to connect the FastHub to network devices.

Chapter 4, "Out-of-Band Management," provides information on configuring and managing the FastHub using the out-of-band management option (this option requires the NMM).

Chapter 5 "In-Band Management," summarizes information appearing in the *Catalyst FastHub 100+ Series MIB Reference Manual*. This chapter lists the actions used to manage and configure a FastHub, along with the Management Information Base (MIB) object associated with each action.

Chapter 6, "Troubleshooting," describes some problems that might arise and their recommended solutions.

Appendix A, "Technical Specifications," lists FastHub physical characteristics, environmental requirements, and power specifications.

Appendix B, "Connectors and Cabling," details the physical characteristics of the FastHub connectors and their associated cabling.

Appendix C, "Translated Safety Warnings," repeats in multiple languages the warnings 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.

- Arguments for which you supply values are shown in *italics*.

- Elements in square brackets ([ ]) are optional.

- Alternative or optional keywords are shown in **bold** and grouped in square brackets ([ ]) and separated by a vertical bar (|).

- Required keywords are grouped in angle brackets (< >) and separated by a vertical bar (|).

Examples use these conventions:

- Terminal sessions and system displays are in `screen` font.

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

- File names are in *italics*.

Notes, cautions, and warnings use the following conventions and symbols:

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

Caution   Means *reader 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, be aware of the hazards involved with electrical circuitry and standard practices for preventing accidents.

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