



Preface

This preface describes the objectives, audience, organization, and conventions of the *Cisco MGX 8850 Multiservice Switch Installation and Configuration* publication.

Objectives

This publication provides descriptions for installing and configuring the following MGX 8850 hardware:

- Enclosures
- Power sources (AC and DC)
- Controller cards (the CPU for the node)
- Frame Relay interface cards
- ATM interface cards
- Trunk cards

Audience

The *Cisco MGX 8850 Multiservice Switch Installation and Configuration* publication provides installers, operators, and network designers and managers with the necessary information to set up any applications of the MGX 8850 switches.

Organization

The major sections of this publication are as follows:

Chapter	Title	Description
Chapter 1	Introducing the MGX 8850	Describes the features and functions of the MGX 8850 switch.
Chapter 2	Module and Service Descriptions	Describes the set of modules available with the MGX 8850.

Chapter	Title	Description
Chapter 3	Site Preparation	Describes the site preparation required prior to installing the MGX 8850.
Chapter 4	Enclosure and Card Installation	Describes how to install the MGX 8850 shelf enclosure and cards.
Chapter 5	Configuring the MGX 8850 Shelf	Describes how to configure the MGX 8850 shelf.
Chapter 6	Card and Service Configuration	Describes how to configure the MGX 8850 cards using the command line interface.
Appendix A	System Specifications	Provides the system specification for the Cisco MGX 8850.
Appendix B	Cabling Summary	Provides information about MGX 8850 trunk and service module cabling and connectors.

Related Documentation

The following Cisco publications contain additional information related to the operation of the Cisco MGX 8850 Multiservice Gateway Switch.

MGX 8850 Switch, Release 1.1.3 Related Documentation

The following table lists documentation that contains additional information related to the installation and operation of the MGX 8800 Series Switch.

Documentation	Description
<i>Cisco MGX 8850 Installation and Configuration, Release 1.1.3</i> DOC-7811223=	Provides installation instructions for the MGX 8850 switch.
<i>Cisco MGX 8800 Series Switch Command Reference, Release 1.1.3</i> DOC-7811210=	Provides detailed information on the general command line interface for the 8850 switch.
<i>Cisco MGX 8800 Series Switch Error Messages, Release 1.1.3</i> DOC-7811240=	Provides error message descriptions and recovery procedures.
<i>WAN CiscoView for the MGX 8850, Release 1.1.3</i> DOC-7811242=	Provides instructions for using WAN CiscoView for the MGX 8850 switch.

Cisco WAN Manager, Release 10, Related Documentation

The following table lists the documentation for the Cisco WAN Manager (CWM) network management system for Release 10.

Documentation	Description
<i>Cisco WAN Manager Installation for Solaris, Release 10</i> DOC-7810308=	Provides procedures for installing Release 10 of the CWM network management system on Solaris systems.
<i>Cisco WAN Manager User's Guide, Release 10</i> DOC-7810658=	Provides procedures for operating Release 10 of the CWM network management system.
<i>Cisco WAN Manager SNMP Service Agent Guide, Release 10</i> DOC-7810786=	Provides information about the CWM Simple Network Management Protocol Service Agent components and capabilities.
<i>Cisco WAN Manager Database Interface Guide, Release 10</i> DOC-7810785=	Provides the information to gain direct access to the CWM Informix OnLine database that is used to store information about the elements within your network.

Cisco WAN Switching Software, Release 9.3 Related Documentation

The following table lists related documentation for the installation and operation of the Cisco WAN Switching Software, Release 9.3 and associated equipment in a Cisco WAN switching network.

Documentation	Description
<i>Cisco BPX 8600 Series Installation and Configuration, Release 9.3.10</i> DOC-7811603=	Provides a general description and technical details of the BPX broadband switch.
<i>Cisco IGX 8400 Installation and Configuration</i> DOC-7810722=	Provides installation instructions for the IGX multiband switch.
<i>Update to the IGX 8400 Installation and Configuration, Release 9.3.10</i> DOC-7811029=	Update for Release 9.3.10 to the <i>Cisco IGX 8400 Installation and Configuration</i> manual.
<i>Cisco IGX 8400 Series Reference</i> DOC-7810706=	Provides a general description and technical details of the IGX multiband switch.
<i>Cisco WAN Switching Command Reference, Release 9.3.05</i> DOC-7810703=	Provides detailed information on the general command line interface commands.
<i>Update to the Cisco WAN Switching Command Reference, Release 9.3.10</i> DOC-7811457=	Provides detailed information on updates to the command line interface commands for features new to switch software release 9.3.10.

Documentation	Description
<i>Cisco WAN Switching SuperUser Command Reference, Release 9.3.10</i> DOC-7810702=	Provides detailed information on the command line interface commands requiring SuperUser access authorization
<i>Cisco MPLS Controller Software Configuration Guide, Release 9.3.10</i> DOC-7811658=	Provides information on a method for forwarding packets through a network.

Conventions

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

Command descriptions use these conventions:

- Commands and keywords are in **boldface**.
- Arguments for which you supply values are in *italics*.
- Required command arguments are inside angle brackets (< >).
- Optional command arguments are in square brackets ([]).
- Alternative keywords 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, such as passwords, are in angle brackets (< >).
- Default responses to system prompts are in square brackets ([]).

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

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.

Obtaining Documentation

The following sections explain how to obtain documentation from Cisco Systems.

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following URL:

<http://www.cisco.com>

Translated documentation is available at the following URL:

http://www.cisco.com/public/countries_languages.shtml

Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which is shipped with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual subscription.

Ordering Documentation

Cisco documentation is available in the following ways:

- Registered Cisco Direct Customers can order Cisco product documentation from the Networking Products MarketPlace:
http://www.cisco.com/cgi-bin/order/order_root.pl
- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:
<http://www.cisco.com/go/subscription>
- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

Documentation Feedback

If you are reading Cisco product documentation on Cisco.com, you can submit technical comments electronically. Click **Leave Feedback** at the bottom of the Cisco Documentation home page. After you complete the form, print it out and fax it to Cisco at 408 527-0730.

You can e-mail your comments to bug-doc@cisco.com.

To submit your comments by mail, use the response card behind the front cover of your document, or write to the following address:

Cisco Systems
Attn: Document Resource Connection
170 West Tasman Drive
San Jose, CA 95134-9883

We appreciate your comments.

Obtaining Technical Assistance

Cisco provides Cisco.com as a starting point for all technical assistance. Customers and partners can obtain documentation, troubleshooting tips, and sample configurations from online tools by using the Cisco Technical Assistance Center (TAC) Web Site. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC Web Site.

Cisco.com

Cisco.com is the foundation of a suite of interactive, networked services that provides immediate, open access to Cisco information, networking solutions, services, programs, and resources at any time, from anywhere in the world.

Cisco.com is a highly integrated Internet application and a powerful, easy-to-use tool that provides a broad range of features and services to help you to

- Streamline business processes and improve productivity
- Resolve technical issues with online support
- Download and test software packages
- Order Cisco learning materials and merchandise
- Register for online skill assessment, training, and certification programs

You can self-register on Cisco.com to obtain customized information and service. To access Cisco.com, go to the following URL:

<http://www.cisco.com>

Technical Assistance Center

The Cisco TAC is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two types of support are available through the Cisco TAC: the Cisco TAC Web Site and the Cisco TAC Escalation Center.

Inquiries to Cisco TAC are categorized according to the urgency of the issue:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration.
- Priority level 3 (P3)—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.

- Priority level 2 (P2)—Your production network is severely degraded, affecting significant aspects of business operations. No workaround is available.
- Priority level 1 (P1)—Your production network is down, and a critical impact to business operations will occur if service is not restored quickly. No workaround is available.

Which Cisco TAC resource you choose is based on the priority of the problem and the conditions of service contracts, when applicable.

Cisco TAC Web Site

The Cisco TAC Web Site allows you to resolve P3 and P4 issues yourself, saving both cost and time. The site provides around-the-clock access to online tools, knowledge bases, and software. To access the Cisco TAC Web Site, go to the following URL:

<http://www.cisco.com/tac>

All customers, partners, and resellers who have a valid Cisco services contract have complete access to the technical support resources on the Cisco TAC Web Site. The Cisco TAC Web Site requires a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to the following URL to register:

<http://www.cisco.com/register/>

If you cannot resolve your technical issues by using the Cisco TAC Web Site, and you are a Cisco.com registered user, you can open a case online by using the TAC Case Open tool at the following URL:

<http://www.cisco.com/tac/caseopen>

If you have Internet access, it is recommended that you open P3 and P4 cases through the Cisco TAC Web Site.

Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses issues that are classified as priority level 1 or priority level 2; these classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer will automatically open a case.

To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to the following URL:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

Before calling, please check with your network operations center to determine the level of Cisco support services to which your company is entitled; for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). In addition, please have available your service agreement number and your product serial number.

