



Preface

Audience

This guide is for the networking or computer technician responsible for installing networking equipment such as routers, hubs, servers, and switches. We assume that you are familiar with the concepts and terminology of Ethernet and local area networking.

Purpose

This guide documents the hardware features of the Cisco Redundant Power System 2300 (PWR-RPS2300). It describes the physical and performance characteristics of the RPS 2300, explains how to install the RPS 2300, and provides troubleshooting information.

The RPS 2300 provides redundant power for a number of Cisco products. This guide describes how the RPS 2300 works with the Catalyst 3750-E and 3560-E switches.

To determine if your product can use the RPS 2300, see your product documentation, or see the online Cisco *RPS 2300 Switch Compatibility Matrix* (posted with the RPS 2300 documentation on Cisco.com) for a complete list of supported products.

This guide does not describe system messages that you might receive or how to configure the RPS 2300. You configure the RPS 2300 through the command-line interface (CLI) and manage it through the Cisco IOS or management software on the Catalyst 3750-E and 3560-E switches.

For information about configuring the RPS 2300, see the switch software configuration guide, the switch command reference, and the switch system message guide on the Cisco.com Technical Support and the Documentation home page.

For information about the standard Cisco IOS Release 12.1 or 12.2 commands, see the Cisco IOS documentation set from the Cisco.com home page at **Technical Support and Documentation > Documentation**. From the Cisco Documentation home page, select Release **12.1** or **12.2** from the Cisco IOS Software drop-down list.

Organization

This guide is organized into the following chapters:

- [Chapter 1, “Product Overview,”](#) presents a functional overview of the RPS 2300.
- [Chapter 2, “RPS 2300 Installation,”](#) describes how to install the RPS 2300 on a rack, table, or shelf, and how to connect the cables and the power supply modules to it.
- [Chapter 3, “Power Supply and Fan Module Installation,”](#) describes how to install or remove a new or replacement power supply module or fan module and how to connect or disconnect the cables.
- [Chapter 4, “Troubleshooting,”](#) describes how to identify and resolve problems that might occur when installing the RPS 2300.
- [Appendix A, “Technical Specifications,”](#) lists the RPS 2300 physical and environmental specifications, the power supply specifications, and the regulatory agency approvals.
- [Appendix B, “Connector and Cable Specifications,”](#) describes the RPS 2300 cable specifications and pinout information.
- [Appendix C, “Translated Warnings,”](#) contains translations in various languages for the safety warnings in this guide.

Conventions

This document uses the following conventions and symbols for notes, cautions, and warnings.

**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. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device. Statement 1071

Related Publications

You can order printed copies of documents with a DOC-xxxxxx= number. For more information, see the [“” section on page xiv](#).

These documents provide more information about the RPS 2300:

- *Release Notes for the Cisco Redundant Power System 2300* (not orderable but available on Cisco.com)
- *Cisco Redundant Power System 2300 Data Sheet* (not orderable but available on Cisco.com)
- *Cisco Redundant Power System 2300 Compatibility Matrix* (not orderable but available on Cisco.com)
- *Installation Notes for the Catalyst 3750-E, Catalyst 3560-E, and RPS 2300 Power Supply Modules* (order number DOC-7817570=)

- *Installation Notes for the Redundant Power System 2300 Fan Module* (order number DOC-7817892=)
- *Catalyst 3750-E and 3560-E Switch Hardware Installation Guide* (not orderable but available on Cisco.com)
- *Catalyst 3750-E and Catalyst 3560-E Switch Software Configuration Guide* (not orderable but available on Cisco.com)
- *Catalyst 3750-E and Catalyst 3560-E Switch Command Reference* (not orderable but available on Cisco.com)
- *Catalyst 3750-E and Catalyst 3560-E Switch System Message Guide* (not orderable but available on Cisco.com)

The RPS 2300 is compatible with Catalyst 2950, 2960, 2970, 3550, 3560, 3750, 3750-E and 3560-E switches, the Catalyst Express 500 switch (Power over Ethernet model only), and Cisco 2811, 2821, 2851, and 3825 routers. Information about these products is available at Cisco.com.

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New* in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>