



Preface

This guide describes the route switch processors and supervisor engines supported by Cisco 7600 series routers. It also provides technical specifications for these modules and describes cable and connector specifications.



Caution

Only trained and qualified service personnel (as defined in IEC 60950 and AS/NZS3260) should install, replace, or service the equipment described in this document.

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Document History

[Table 1](#) lists the technical changes made to this document since it was first printed.

Table 1 *Document History*

Revision	Date	Change Summary
OL-10100-06	November 2009	Added information about X2-DWDM and X2-10GB-LRM/ZR support on 7600 cards (RSP720-10GE and WS-X6708-10GE).
OL-10100-05	March 2009	Added information about increasing RSP720 and RSP720-10GE maximum switch processor (SP) memory to 2 GB.
OL-10100-04	January 2008	Added information about the Route Switch Processor 720 with 10-GE uplink ports, introduced in Cisco IOS Release 12.2SRC.

Table 1 Document History (continued)

Revision	Date	Change Summary
OL-10100-03	May 2007	Removed eFSU from the list of unsupported features for the Route Switch Processor 720. Beginning in Cisco IOS Release 12.2SRB1, eFSU and ISSU are supported on the RSP720, Sup720, and Sup32. Added a note that Cisco IOS Release 12.2SXF is the last release in which the Supervisor Engine 720 (with PFC3A) is supported.
OL-10100-02	February 2007	Added information about the Route Switch Processor 720 (a new supervisor engine) introduced in Cisco IOS Release 12.2SRB.
OL-10100-01	May 2006	Initial release of the document.

Document Organization

This document is organized as follows:

Chapter	Title	Description
Chapter 1	Cisco 7600 Product Overview	Provides an overview of Cisco 7600 series routers, and interface and port addresses.
Chapter 2	Route Switch Processors and Supervisor Engines	Describes the route switch processors (RSPs) and supervisor engines supported on Cisco 7600 series routers.
Chapter 3	Installing and Configuring Route Switch Processors and Supervisor Engines	Provides instructions for installing and removing RSPs and supervisor engines and connecting to the console and uplink ports.
Appendix A	Technical Specifications	Lists the technical specifications for the RSP and supervisor engines.
Appendix B	Cable and Connector Specifications	Lists the cable and connector specifications for the RSPs and supervisor engines.

Document Conventions

This document uses the following conventions:

Convention	Description
boldface font	Commands, command options, and keywords are in boldface .
<i>italic</i> font	Command arguments for which you supply values are in <i>italics</i> .



Caution

Means *reader be careful*. You are capable of doing something that might result in equipment damage or loss of data.

**Note**

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

Warning Definition

**Warning****IMPORTANT SAFETY INSTRUCTIONS**

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

SAVE THESE INSTRUCTIONS

See *Regulatory Compliance and Safety Information for the Cisco 7600 Series Routers* for translations of warnings and information about the compliance and safety standards with which Cisco 7600 series routers conform.

Related Documentation

The following documents provide additional information about Cisco 7600 series routers:

- *Cisco 7600 Series Routers Documentation Roadmap*
- *Supported Hardware for Cisco 7600 Series Routers*
- *Regulatory Compliance and Safety Information for the Cisco 7600 Series Routers*
- *Cisco 7600 Series Router Installation Guide*
- *Cisco 7609 Router Installation Guide (OSR-7609)*
- *Cisco 7600 Series Router Module Installation Guide*
- *Cisco 7600 Series Router Cisco IOS Command Reference*
- *Cisco 7600 Series Router Cisco IOS System Message Guide*
- *Cisco 7600 Series Router Cisco IOS Software Configuration Guide*

Documentation for the Cisco 7600 series router is available online at the following URL:

http://www.cisco.com/en/US/products/hw/routers/ps368/tsd_products_support_series_home.html

For information about MIBs, refer to this URL:

<http://www.cisco.com/public/sw-center/netgmt/cmtk/mibs.shtml>

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>