



Preface

This preface describes the objectives and organization of this document and explains how to find additional information on related products and services. This chapter contains the following sections:

- [Document Revision History, page iii](#)
- [Objectives, page iii](#)
- [Organization, page iv](#)
- [Related Documentation, page iv](#)
- [Obtaining Documentation, Obtaining Support, and Security Guidelines, page vii](#)

Document Revision History

The Document Revision History table below, beginning with version OL-3028-04, records technical changes to this document.

Document Version	Date	Change Summary
OL-3028-06	April, 2007	This version of this document adds installation information for the Cisco 7201 router.
OL-3028-05	September, 2006	This version of this document adds Port Adapter Jacket Card installation information for the Cisco 7200 VXR with NPE-G2.
OL-3028-04	March, 2006	This version of this document adds Port Adapter Jacket Card installation information for the Cisco 7200 VXR with NPE-G1.

Objectives

This document describes how to install and configure the PA-POS-2OC-3 two-port Packet-over-SONET (POS) port adapter, hereafter referred to as the PA-POS-2OC3, which is used in the following platforms:

- Cisco 7200 VXR routers, which consist of the four-slot Cisco 7204VXR router and the six-slot Cisco 7206VXR router
- Cisco 7201 router
- Cisco 7301 router

- Cisco 7304 PCI port adapter carrier card in the Cisco 7304 router
- Cisco 7401ASR router
- Cisco 7500 series routers, which consist of the five-slot Cisco 7505, the seven-slot Cisco 7507, and the thirteen-slot Cisco 7513 routers.
- Cisco 7600 series routers, which consist of the three-slot Cisco 7603, the six-slot Cisco 7606, the nine-slot Cisco 7609, and the thirteen-slot Cisco 7613 routers, using FlexWAN and Enhanced FlexWAN modules.

**Note**

The Cisco 7206 VXR router can be used as a router shelf in a Cisco AS5800 universal access server. For more information about the Cisco 7206 VXR as a router shelf, see the Cisco AS5800 Universal Access Server documentation listed in the “[Related Documentation](#)” section on page iv.

Organization

This document contains the following chapters:

Section	Title	Description
Chapter 1	Overview	Describes the PA-POS-2OC3 and its LEDs and cables. Provides supporting information about addressing, networks, and SONET.
Chapter 2	Preparing for Installation	Describes safety considerations, tools required, and procedures you should perform before the actual installation.
Chapter 3	Removing and Installing Port Adapters	Provides instructions for installing a port adapter in the supported platforms and for connecting cables.
Chapter 4	Configuring the PA-POS-2OC3	Provides instructions for configuring your port adapter on the supported platforms.

Related Documentation

Your router or switch and the Cisco IOS software running on it contain extensive features and functionality, which are documented in the following resources:

- Cisco IOS software:

For configuration information and support, refer to the modular configuration and modular command reference publications in the Cisco IOS software configuration documentation set that corresponds to the software release installed on your Cisco hardware.

**Note**

You can access Cisco IOS software configuration and hardware installation and maintenance documentation on the World Wide Web at <http://www.cisco.com>, <http://www-china.cisco.com>, or <http://www-europe.cisco.com>.

- Cisco 7200 VXR routers (including Cisco 7204VXR and Cisco 7206VXR routers):
 - For an online directory to quickly access documents for Cisco 7200 VXR routers, refer to the *Cisco 7200 Series Routers Documentation Roadmap* at the following URL:
http://www.cisco.com/en/US/products/hw/routers/ps341/products_documentation_roadmap09186a00801c0915.html
 - For hardware installation and maintenance information, refer to the *Cisco 7200 VXR Installation and Configuration Guide* or the *Cisco 7200 VXR Routers Quick Start Guide*.
 - For hardware installation and configuration information (including the Cisco 7206 or Cisco 7206VXR as a router shelf in a Cisco AS5800 Universal Access Server), refer to the hardware installation documents for Cisco AS5800.
- Cisco 7201 router:
 - For an online directory to quickly access documents for the Cisco 7201 router, refer to the *Cisco 7201 Router Documentation Roadmap* at the following URL:
http://www.cisco.com/en/US/customer/products/hw/routers/ps341/products_documentation_roadmap09186a00807f635a.html
 - For hardware installation and maintenance information, refer to the *Cisco 7201 Installation and Configuration Guide* or the *Cisco 7201 Router Quick Start Guide*.
- Cisco 7301 router:
 - For an online directory to quickly access documents for the Cisco 7301 router, refer to the *Cisco 7301 Internet Router Documentation Roadmap* at the following URL:
http://www.cisco.com/en/US/products/hw/routers/ps352/products_documentation_roadmap09186a00801c0f21.html
 - For hardware installation and maintenance information, refer to the *Cisco 7301 Installation and Configuration Guide* or the *Cisco 7301 Router Quick Start Guide*.
- Cisco 7304 PCI port adapter carrier card in Cisco 7304 router:
 - For an online directory to quickly access documents for the Cisco 7304 PCI Port Adapter Carrier Card in the Cisco 7301 router, refer to the *Cisco 7304 Router Line Card, Carrier Card, Port Adapter, Modular Services Card, and Shared Port Adapter Documentation Roadmap* at the following URL:
http://www.cisco.com/en/US/products/hw/routers/ps352/products_documentation_roadmap09186a00801c0f5e.html
 - For hardware installation and maintenance information, refer to the *Cisco 7304 PCI Port Adapter Carrier Card Installation and Configuration Guide*.
- Cisco 7401ASR router:
 - For an online directory to quickly access documents for the Cisco 7401ASR router, refer to the *Cisco 7401ASR Router Documentation Roadmap* at the following URL:
http://www.cisco.com/en/US/products/hw/routers/ps354/products_documentation_roadmap09186a00801c0fd5.html
 - For hardware installation and maintenance information, refer to the *Cisco 7401ASR Installation and Configuration Guide* or the *Cisco 7401ASR Router Quick Start Guide*.

- Cisco 7500 series routers:
 - For an online directory to quickly access documents for the Cisco 7500 series routers, refer to the *Cisco 7500 Series Routers Documentation Roadmap* at the following URL:
http://www.cisco.com/en/US/products/hw/routers/ps359/products_documentation_roadmap09186a00801c0f9b.html
 - For hardware installation and maintenance information, refer to the following documents:
 - *Cisco 7500 Series Installation and Configuration Guide* or the quick start for your Cisco 7500 series router.
- Cisco 7600 series routers with the FlexWAN and Enhanced FlexWAN modules:
 - For an online directory to quickly access documents for the Cisco 7600 series routers, refer to the *Cisco 7600 Series Routers Documentation Roadmap* at the following URL:
http://www.cisco.com/en/US/products/hw/routers/ps368/products_documentation_roadmap09186a00801ebed9.html
 - For hardware installation and maintenance information, refer to the online installation and configuration guide for your Cisco 7600 series router.
- Cisco AS5800 Universal Access Servers:
 - For hardware installation and maintenance information and software configuration information, refer to the following publications:
Cisco AS5800 Universal Access Server Hardware Installation and Configuration Guide and *Cisco AS5800 Universal Access Server Software Installation and Configuration Guide*
- For automatic protection switching (APS) configuration information, refer to the APS documentation at the following URL:
http://www.cisco.com/en/US/products/sw/iosswrel/ps1824/products_feature_guide09186a0080087ad9.html
- For international agency compliance, safety, and statutory information for WAN interfaces, refer to the following documents. Use the documentation roadmap for your particular router to link to the appropriate documents for your router:
 - *Cisco AS5800 Universal Access Server Regulatory Compliance and Safety Information*
 - *Regulatory Compliance and Safety Information for Cisco 7200 Series Routers*
 - *Regulatory Compliance and Safety Information for the Cisco 7301 Internet Router*
 - *Regulatory Compliance and Safety Information for the Cisco 7304 Internet Router*
 - *Regulatory Compliance and Safety Information for the Cisco 7401ASR Internet Router*
 - *Regulatory Compliance and Safety Information for the Cisco 7500 Series Routers*
 - *Regulatory Compliance and Safety Information for the Cisco 7600 Series Routers*
- For fiber-optic cleaning information, see the following documents:
 - *Inspection and Cleaning Procedures for Fiber-Optic Connections* at the following URL:
http://www.cisco.com/en/US/tech/tk482/tk876/technologies_white_paper09186a0080254eba.shtml
 - *Compressed Air Cleaning Issues for Fiber-Optic Connections* at the following URL:
http://www.cisco.com/en/US/tech/tk482/tk611/technologies_white_paper09186a00801b08da.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 technical documentation at:

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

