Preface

This preface describes the revision history, audience, organization, and conventions of the Cisco ASR 902 and Cisco ASR 902U Router Hardware Installation Guide. It also lists sources for obtaining additional information and technical assistance from Cisco Systems.

Document Revision History

The following table lists the major changes made to this document for each release.

Rivision	Date	Change Summary
—	July 2017	Added information about the Cisco ASR 902U Aggregation Services Router.
—	November 2016	Added information on C37.94 serial interface module.
—	April 2016	Added dust cap information. Added supported patch panel information. Updated warning statements.
—	March, 2016	Updated A900-RSP3 and the supported interface modules. Added blank deflector information. Added ambient temperature for RSP3.
—	January 6, 2015	Updated safety statements. Replaced Cisco Software Advisor information with Software Research information.

Rivision	Date	Change Summary
OL-31440-02	OL-31440-02	Added information about the installation of air plenum and the Cisco Microsoft Windows 7 USB driver, RSP-2 LED behavior, and new interface modules supported. Updated the description for Time-of-Day port pinouts.
OL-31440-01	February 14, 2014	Initial release

Document Audience

This guide is intended for users who are responsible for installing the Cisco router. It is intended for users who may not be familiar with the initial configuration and troubleshooting tasks, the relationship among tasks, or the Cisco IOS software commands necessary to perform particular tasks.

For information on general software features that are also available on other Cisco platforms, see the Cisco IOS XE technology guide pertaining to that specific software feature.

Document Organization

This guide includes the following chapters and appendix:

Title	Description
Chapter 1, "Cisco ASR 902 Router Overview"	This chapter provides an overview of the Cisco ASR 902 and ASR 902U Routers.
Chapter 2, "Preparing for Installation"	This chapter provides site preparation guidelines for installing the Cisco ASR 902 and ASR 902U Routers.
Chapter 3, "Installing the Cisco ASR 902 Router"	This chapter describes the Cisco ASR 902 and ASR 902U Routers and how to install it.
Chapter 4, "Cisco Router Initial Configuration"	This chapter describes how to start the Cisco ASR 902 and ASR 902U Routers and create an initial system configuration.
Chapter 5, "Troubleshooting"	This chapter provides LED and pinout information for troubleshooting purposes.
Appendix A, "Site Log and Manufactures"	This provides a site log for tracking the installation and maintenance activities of the router.

Document Conventions

This documentation uses the following conventions:

Convention	Description
^ or **Ctrl**	The ^ and **Ctrl** symbols represent the Control key. For example, the key combination **^D** or **Ctrl-D** means hold down the **Control** key while you press the **D** key. Keys are indicated in capital letters but are not case sensitive.
string	A string is a nonquoted set of characters shown in italics. For example, when setting an SNMP community string to public, do not use quotation marks around the string or the string will include the quotation marks.

Command syntax descriptions use the following conventions:

Convention	Description
bold	Bold text indicates commands and keywords that you enter exactly as shown.
italics	Italic text indicates arguments for which you supply values.
[x]	Square brackets enclose an optional element (keyword or argument).
		A vertical line indicates a choice within an optional or required set of keywords or arguments.
[x	y]	Square brackets enclosing keywords or arguments separated by a vertical line indicate an optional choice.
{x	y}	Braces enclosing keywords or arguments separated by a vertical line indicate a required choice.

Nested sets of square brackets or braces indicate optional or required choices within optional or required elements. For example:

Convention	Description
[x {y	z}]	Braces and a vertical line within square brackets indicate a required choice within an optional element.

Examples use the following conventions:

Convention	Description
`screen`	Examples of information displayed on the screen are set in Courier font.
`bold screen`	Examples of text that you must enter are set in Courier bold font.
< >	Angle brackets enclose text that is not printed to the screen, such as passwords.
!	An exclamation point at the beginning of a line indicates a comment line. (Exclamation points are also displayed by the Cisco IOS software for certain processes.)
[ ]	Square brackets enclose default responses to system prompts.

The following conventions are used to attract the attention of the reader:

Caution Means *reader be careful* . In this situation, you might do something that could result in equipment damage or loss of data.

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

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, 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

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