



Preface

This preface describes the revision history, audience, organization, and conventions of the Cisco ASR 903 and Cisco ASR 903U Router Hardware Installation Guide. It also lists sources for obtaining additional information and technical assistance from Cisco Systems.

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Document Revision History

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

Revision	Date	Change Summary
—	November 2017	Added information about the following interface modules. <ul style="list-style-type: none">• 8/16-port 1 Gigabit Ethernet (SFP / SFP) + 1-port 10 Gigabit Ethernet (SFP+) / 2-port 1 Gigabit Ethernet (CSFP) Interface Module• 1-port OC48/ 4-port OC12/OC3 + 12-port T1/E1 + 4-port T3/E3 CEM Interface Module
—	July 2017	Added information about the ASR 903U Aggregation Services Router.
—	November 2016	Added information about the following interface modules. <ul style="list-style-type: none">• 1x OC-192 or 8-port Low Rate CEM Interface Module• 48 X T1/E1 CEM Interface Module• 48 X T3/E3 CEM Interface Module Added information about C37.94 serial interface module.

Revision	Date	Change Summary
—	April 2016	Added dust cap information. Added supported patch panel information. Updated warning statements.
OL-25178-08	March 2016	Added A900 RSP3-200 module and supported interfaces. Added information on blank deflector. Updated the ambient temperature for the RSP3 module.
OL-25178-07	August 2015	Added A900 RSP3 module supported interface modules. Added 1200 W power supply information.
OL-25178-07	30 November 2014	Added 32 T1/E1 interface module.
OL-25178-06	30 July 2014	Added A900 RSP2 and supported interface modules.
OL-25178-05	19 November 2013	Updated fan tray, power supply connector, dust filter, air plenum.
OL-25178-04	30 July 2013	Updated supported SFPs for IOS XE Release 3.10S.
OL-25178-04	3 June 2013	Updated supported SFPs for IOS XE Release 3.9(1).
OL-25178-03	3 April 2013	Updated supported SFPs for IOS XE Release 3.9.
OL-25178-03	29 November 2012	Updated supported SFPs for IOS XE Release 3.8.
OL-25178-0	23 August 2012	Added material for AC power supply, chassis air flow information, and NEBS certification.
OL-25178-02	30 March 2012	Updated supported SFPs for IOS XE Release 3.6.
OL-25178-02	24 February 2012	Added power draw and installation torque values.
OL-25178-01	16 December 2011	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, “ Overview ”	This chapter provides an overview of the Cisco ASR 903 and the Cisco ASR 903U Routers. Note The Cisco ASR 903 Router and the Cisco ASR 903U Router are collectively referred to as the Cisco ASR 903 Router in this document. Any differences between the routers are specifically called out.
Chapter 2, “ Preparing for Installation ”	This chapter provides site preparation guidelines for installing the Cisco ASR 903 Router.
Chapter 3, “ Installing the Cisco ASR 903 Router ”	This chapter describes the Cisco ASR 903 Router and how to install it.
Chapter 4, “ Cisco ASR 903 Initial Configuration ”	This chapter describes how to start the Cisco ASR 903 Router 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.
<i>string</i>	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.
<i>italics</i>	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.

Convention	Description
[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>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

