



Preface

This document describes how to plan and prepare your site facilities for the installation of a Cisco Carrier Routing System 8-Slot Line Card Chassis (also referred to in this document as the Cisco CRS 8-slot LCC). The guide provides a brief description of the chassis, its components, and basic site facilities requirements.

The guide describes the power, cooling, and environmental specifications to consider before ordering and installing the chassis. It also describes each chassis, its components, site facilities requirements (such as floor space, weight requirements, receiving, and staging), and installation to help you plan the site where the system will be installed. The Cisco product IDs (PIDs) are listed in *System Product IDs* chapter.



Note

The installation of a Cisco CRS 8-slot LCC may require space, floor loading, power, and cooling modifications to a facility. Therefore, you should plan the site well in advance of the delivery of the system.

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Audience

This document is intended for those who must plan the facilities for the site where Cisco CRS 8-slot LCC is to be installed. It should be used with Cisco site planning coordinators and site inspections, well in advance of the delivery of the system.

Documentation Conventions

This document uses the following conventions:

Convention	Description
bold font	Commands and keywords and user-entered text appear in bold font .
<i>Italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic font</i> .
[]	Elements in square brackets are optional.
{x y z}	Required alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
<code>courier font</code>	Terminal sessions and information the system displays appear in <code>courier font</code> .
	Indicates a variable for which you supply values, in context where italics cannot be used.
< >	Nonprinting characters such as passwords are in angle brackets.
[]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.



Note *Means reader take note.* Notes contain helpful suggestions or references to material not covered in the manual.



Tip *Means the following information will help you solve a problem.* The tips information might not be troubleshooting or even an action, but could be useful information, similar to a Timesaver.



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

**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.

SAVE THESE INSTRUCTIONS

**Warning**

Statements using this symbol are provided for additional information and to comply with regulatory and customer requirements.

Related Documentation

For complete planning, installation, and configuration information, see the following documents:

- *Cisco CRS Carrier Routing System 8-Slot Line Card Chassis System Description*
- *Cisco CRS Carrier Routing System 8-Slot Line Card Chassis Unpacking, Moving, and Securing Guide*
- *Cisco CRS Carrier Routing System 8-Slot Line Card Chassis Installation Guide*
- *Cisco CRS 3-Phase AC Power Distribution Unit Installation Guide*
- *Cisco CRS-1 Carrier Routing System to Cisco CRS-3 Carrier Routing System Migration Guide*
- *Regulatory Compliance and Safety Information for the Cisco CRS Carrier Routing System*

Changes to This Document

This table lists the technical changes made to this document since it was first created.

Table 1: Changes to This Document

Date	Summary
January 2014	Added updates to support the Cisco CRS-X, which includes new line cards, switch fabric cards, and PLIMs.
April 2011	Added information about new CRS-8-PRP-6G and CRS-8-PRP-12G Performance Route Processor (PRP) cards. Technical updates and minor editorial changes were also made.
December 2010	Added information about new modular configuration AC and DC power systems. Added product IDs for the modular configuration power components.

Date	Summary
October 2010	Added information about new CRS-8-FC140/S switch fabric card, CRS-MS-140G and FP-140G line cards; 4-port, 8-port, 14-port, and 20-port 10-GE XFP PLIMS; and 100-GE CFP PLIM. Minor editorial changes were also made.
February 2008	Minor editorial changes.
June 2007	Updated the two-pole DC power requirements.
June 2006	Updated the front and rear clearance values for installation, service, and airflow in Chapter 4, "Site Planning Considerations".
April 2006	<ul style="list-style-type: none"> • Made various technical updates throughout the guide, especially in Chapter 3, "Technical and Environmental Specifications". • Updated document titles for the Cisco CRS 8-slot LCC documentation set. • Added SIP and SPA product IDs to Appendix B "Product IDs for the Cisco CRS 8-Slot Line Card Chassis."
December 2005	Made changes to external packaging dimensions and added callout to Figure 2-4.
March 2005	<ul style="list-style-type: none"> • Updated the DC power section and added new information. • Added product IDs for the redundant route processor (RP) and RP memory options. • Updated the document to reflect that a set of horizontal shelf brackets is available as part of the installation kit (CRS-8-INSTALL-KT=).
December 2004	Initial release of this document.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*, at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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