



Release Notes for Cisco Remote PHY Shelf 7200 Software 1.2

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CONTENTS

CHAPTER 1

Introduction 1

System Requirements 1

Memory Requirements 2

Hardware Supported 2

Determining the Software Version 2

New and Changed Information 3

New Software Features in Cisco Remote PHY Shelf 7200 Software 1.2 3

New Hardware Features in Cisco Remote PHY Shelf 7200 Software 1.2 3

MIBs 3

MIBs in Cisco Remote PHY Shelf 7200 Software 1.2 4

Obtaining Documentation and Submitting a Service Request 5

CHAPTER 2

Caveat List 7

Cisco Bug Search 7

Open Caveats for Cisco Remote PHY Shelf 7200 Software 1.2 7

Resolved Caveats for Cisco Remote PHY Shelf 7200 Software 1.2 8



CHAPTER 1

Introduction

This Release Notes contain information about downloading and installing Cisco Remote PHY Shelf 7200 Software 1.2 and its maintenance releases. It also provides new and changed information, hardware support, limitations, and restrictions. The document also lists the caveats for Cisco Remote PHY Shelf 7200 Software 1.2 and its maintenance releases.

We recommend that you view the field notices for this release to see if your software or hardware platforms are affected. If you have an account on Cisco.com, you can find field notices at http://www.cisco.com/en/US/customer/support/tsd_products_field_notice_summary.html.

If you do not have a Cisco.com login account, you can find field notices at http://www.cisco.com/en/US/support/tsd_products_field_notice_summary.html.



Note The Cisco Remote PHY Shelf 7200 Software 1.2 is generally available for field deployments. However, we recommend that you validate and qualify Cisco Remote PHY Shelf 7200 Software 1.2 in a limited field trial with your specific network configuration requirements. This ensures a smoother, faster, and successful field deployment. For customers who use Cisco cBR-8 router with Cisco Remote PHY Shelf 7200 Software 1.2 in field, the recommended software versions for cBR-8 is Cisco IOS XE Gibraltar 16.10.1f.

This chapter includes the following sections:

- [System Requirements, on page 1](#)
- [New and Changed Information, on page 3](#)
- [MIBs, on page 3](#)
- [Obtaining Documentation and Submitting a Service Request, on page 5](#)

System Requirements

These sections describe the system requirements for Cisco Remote PHY Shelf 7200 Software 1.2 and its maintenance releases:

Memory Requirements



Note Memory is not configurable for the Cisco Remote PHY Shelf 7200 Software 1.2.

Table 1: Memory Recommendations for the Cisco Remote PHY Shelf 7200 Software 1.2

Feature Set	Cisco RPHY Processor	Software Image	Fixed Memory	Runs From
FCC	LS1043A	HA-SHELF-V1-2.itb	2GB	Bootflash:
RPD LC	LS1088	HA-SHELF-V1-2.itb	8GB	Bootflash:

Hardware Supported

For information about the supported hardware on Cisco Remote PHY Shelf 7200 Software 1.2 and its maintenance releases, see:

http://www.cisco.com/c/en/us/td/docs/cable/cbr/installation/guide/b_cbr_how_and_what_to_order.html.

Determining the Software Version

To determine the version of the Cisco Remote PHY Shelf 7200 Software 1.2 running on your Cisco Remote PHY Shelf 7200 device from FCC, LC, eRPD, and CMTS, log in and enter the **show version EXEC** command:

```
FCC#show ver
Cisco HA-Shelf Software, version v1.2, build by HA-Shelf-release, on 2019-05-29 00:08:18
Branch information:
FCC branch: (detached from HA-SHELF_V1_2_THROTTLE_190528_184027)
OpenRPD branch: (detached from HA-SHELF_V1_2_THROTTLE_190528_184027)
```

```
Slot-1#show ver
Cisco HA-Shelf Software, version v1.2, build by HA-Shelf-release, on 2019-05-29 00:08:18
Branch information:
Linecard branch: (detached from HA-SHELF_V1_2_THROTTLE_190528_184027)
OpenRPD branch: (detached from HA-SHELF_V1_2_THROTTLE_190528_184027)
```

```
eRPD-3/0#show ver
Cisco HA-Shelf Software, version v1.2, build by HA-Shelf-release, on 2019-05-29 00:08:18
Branch information:
Linecard branch: (detached from HA-SHELF_V1_2_THROTTLE_190528_184027)
OpenRPD branch: (detached from HA-SHELF_V1_2_THROTTLE_190528_184027)
```

```
GMM#show cable rpd 7abd.44a1.0085 sw-version
RPD ID          SwVersion
7abd.44a1.0085 v1.2
```

New and Changed Information

The following sections list the new hardware and software features that are supported on the Cisco Smart PHY 7200 Software in this release:

New Software Features in Cisco Remote PHY Shelf 7200 Software 1.2

D3.1 Support

Cisco Remote PHY Shelf 7200 Software 1.2 supports Remote PHY DOCSIS 3.1 OFDM channels at downstream, and OFDMA channels at upstream.



Note Remote PHY Shelf Line Card switchover is currently not supported. Modems using OFDMA upstream channels might not be able to use OFDMA channels during a switchover.

QAM Profile for Broadcast Video

Starting from Cisco Remote PHY Shelf 7200 Software 1.2, support for configuring QAM profile for narrowcast and broadcast video has been added.

HA Shelf LCHA

Starting from Cisco Remote PHY Shelf 7200 Software 1.2, Line Card Redundancy is supported to improve the service availability.

Password Reset

Starting from Cisco Remote PHY Shelf 7200 Software 1.2, you can reset system login password if it is forgotten.

For information about other supported features, see the Cisco Remote PHY Shelf 7200 Software Configuration Guide.

New Hardware Features in Cisco Remote PHY Shelf 7200 Software 1.2

There are no new hardware features for Cisco Remote PHY Shelf 7200.

For more information about the new hardware features, see the Cisco Remote PHY Shelf 7200 Hardware Installation Guide.

MIBs

To locate and download MIBs for selected platforms, Cisco IOS XE releases, and feature sets, use Cisco MIB Locator found at the following URL:

<https://mibs.cloudapps.cisco.com/ITDIT/MIBS/servlet/index>

MIBs in Cisco Remote PHY Shelf 7200 Software 1.2

The following MIBs are supported on Cisco Remote PHY Shelf 7200 Software 1.2 release:

- docsRphyCtrlRpdInitProvCtrlTable
- docsRphyCtrlRpdCrashDataServerCtrlTable
- docsRphyCtrlRpdLogCtrlTable
- docsRphyCcapCinDsLatencyTable
- docsRphyCcapL2tpSessionInfoTable
- docsRphyCcapL2tpSessionStatsTable
- docsRphyCmtsCmRegStatusTable
- docsRphyRpdDevCapabilitiesTable
- docsRphyRpdDevChanReachabilityTable
- docsRphyRpdDevCoresConnectedTable
- docsRphyRpdDevCrashDataFileStatusTable
- docsRphyRpdDevDsUsRfPortAllocTable
- docsRphyRpdDevIdentificationTable
- docsRphyRpdDevInfoTable
- docsRphyRpdDevL2tpSessionInfoTable
- docsRphyRpdDevL2tpSessionStatsTable
- docsRphyRpdDevLocationTable
- docsRphyRpdDevUsSignalQualityTable
- docsRphyRpdIfCoreToRpdMapTable
- docsRphyRpdIfPhysEntityTable
- docsRphyRpdIfPhysEntSensorTable
- docsRphyRpdIpAddressTable
- docsRphyRpdIpNetToPhysicalTable
- docsRphyRpdIpv4InterfaceTable
- docsRphyPtpCcapCorePtpPortStatusTable
- docsRphyPtpCcapPortDataSetTable
- docsRphyPtpCcapPortMasterClockStatusTable
- docsRphyPtpRpdClockStatusTable
- docsRphyPtpRpdCurrentDataSetTable
- docsRphyPtpRpdPortDataSetTable

- docsRphyPtpRpdPortMasterClockStatusTable
- docsRphyPtpRpdPtpPortStatusTable
- docsRphyPtpCcapTimeProperties
- docsRphyRpdIfEnetTable
- docsRphyRpdDevEventLogTable
- docsRphyRpdIpv6InterfaceTable
- docsRphyCtrlRpdResetCtrlTable
- docsRphyRpdIfRpdToCoreMapTable
- docsRphyRpdIfRpdEnetToCoreEntityMapTable
- docsRphyCtrlRpdCrashDataFileCtrlTable
- docsRphyRpdIpIfStatsTable
- docsRphyCcapL2tpSessionFlowTable

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](#).

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the [What's New in Cisco Product Documentation RSS feed](#). The RSS feeds are a free service.



CHAPTER 2

Caveat List

This chapter describes open severity 1 and 2 caveats and select severity 3 caveats:

- The *Open Caveats* sections list open caveats that apply to the current release and may apply to previous releases. A caveat that is open for a prior release and is still unresolved applies to all future releases until it is resolved.

The bug IDs are listed alphanumerically.



Note The Caveats section includes the bug ID and a short description of the bug. For details on the symptoms, conditions, and workaround for a specific caveat you must use the Bug Search Tool.

- [Cisco Bug Search, on page 7](#)
- [Open Caveats for Cisco Remote PHY Shelf 7200 Software 1.2, on page 7](#)
- [Resolved Caveats for Cisco Remote PHY Shelf 7200 Software 1.2, on page 8](#)

Cisco Bug Search

Cisco Bug Search Tool (BST), the online successor to Bug Toolkit, is designed to improve effectiveness in network risk management and device troubleshooting. You can search for bugs based on product, release, and keyword, and aggregates key data such as bug details, product, and version. For more details on the tool, see the help page located at <http://www.cisco.com/web/applicat/cbsshelp/help.html>.

Open Caveats for Cisco Remote PHY Shelf 7200 Software 1.2

Caveat ID Number	Description
CSCvp61035	Occasionally LCHA failed or few video QAM recovery failed
CSCvn64530	Date/clock time is different for different erpd provisioned using same time server
CSCvo37168	Aux core BC Session creation taking several mins when shut/no shut
CSCvp50552	L2TP session db statistics are all 0

Caveat ID Number	Description
CSCvp72337	10G phy didn't report link status to link_status_set
CSCvq09041	HA shelf LCSO failed with annex A & C - Variable symbol rate

Resolved Caveats for Cisco Remote PHY Shelf 7200 Software 1.2

Caveat ID Number	Description
CSCvn91612	US throughput rate can't reach expected rate caused by modem p-online
CSCvo06122	hds: lc is not up, all rpd offline when slot 6 protect card inserted