



Release Notes for Cisco Remote PHY for Cisco 1x2 / Compact Shelf RPD Software 2.2

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CHAPTER 1

Introduction

This release notes contain information about downloading and installing Cisco 1x2 / Compact Shelf RPD Software 2.2 and its maintenance releases. It also provides new and changed information, hardware support, limitations and restrictions, and caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2 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 Cisco 1x2 / Compact Shelf RPD Software 2.2 is generally available for field deployment. However, we recommend that you validate and qualify Cisco 1x2 / Compact Shelf RPD Software 2.2 in a limited field trial with your specific network configuration requirements in order to ensure a smoother, faster, and successful field deployment.

This chapter includes the following sections:

- [System Requirements, on page 1](#)
- [New and Changed Information, on page 3](#)
- [MIBs, on page 4](#)
- [Obtaining Documentation and Submitting a Service Request, on page 4](#)

System Requirements

These sections describe the system requirements for Cisco 1x2 / Compact Shelf RPD Software and its maintenance releases:

Memory Requirements for Cisco 1x2 / Compact Shelf RPD Software 2.2



Note Memory is not configurable for the Cisco Remote-PHY device.

Table 1: Memory Recommendations for the Cisco Remote-PHY Device

Feature Set	Cisco RPHY Processor	Software Image	Fixed Memory	Runs From
CISCO RPHY 2.2	NXP LS1043A	RPD-V2-2.itb.SSA	1G Bytes	Bootflash:

Hardware Supported

For detailed information about the hardware supported in Cisco 1x2 / Compact Shelf RPD Software 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 for Cisco 1x2 / Compact Shelf RPD Software 2.2

To determine the version of the Cisco 1x2 RPD software running on your Cisco Remote-PHY Device, log in and enter the **show version EXEC** command:

```
R-PHY#show ver
Cisco RPD Software, version v2.2, build by rpd-release, on 2017-10-24 09:06:29
Branch information:
  RPD branch: (detached from RPD_V2_2_20171024)
  OpenRPD branch: (detached from RPD_V2_2_20171024)
  SeresRPD branch: (detached from RPD_V2_2_20171024)

System image file is:
current image is /bootflash/RPD-V2-2.itb.SSA.act

Bootloader version:
Primary:  U-Boot 2016.01 (Apr 12 2017 - 09:13:28 +0800) *
Golden:   U-Boot 2016.01 (Apr 12 2017 - 09:13:28 +0800)

IOFPGA version:
IOFPGA: 0x0351
SECVAR: 0x17042101

System uptime:
05:15:34 up 4 min,  load average: 0.76, 0.63, 0.26

System CPU information:
processor      : 0
Features      : fp asimd evtstrm aes pmull sha1 sha2 crc32
CPU implementer : 0x41
CPU architecture: 8
CPU variant   : 0x0
CPU part     : 0xd03
CPU revision  : 4

processor      : 1
Features      : fp asimd evtstrm aes pmull sha1 sha2 crc32
CPU implementer : 0x41
CPU architecture: 8
CPU variant   : 0x0
CPU part     : 0xd03
CPU revision  : 4
```

```

processor      : 2
Features      : fp asimd evtstrm aes pmull sha1 sha2 crc32
CPU implementer : 0x41
CPU architecture: 8
CPU variant   : 0x0
CPU part      : 0xd03
CPU revision  : 4

```

```

processor      : 3
Features      : fp asimd evtstrm aes pmull sha1 sha2 crc32
CPU implementer : 0x41
CPU architecture: 8
CPU variant   : 0x0
CPU part      : 0xd03
CPU revision  : 4

```

```

System memory information:
MemTotal:      898128 kB
MemFree:       210184 kB
MemAvailable:  277148 kB
Buffers:       2260 kB
Cached:        71732 kB

```

```

Hardware Information:
Hardware Version      : 1.1
Product Number (PID) : RPHY-RPD
PCA Serial Number    : CAT2109E1C9
Asset ID              : P1B-13
System MAC Address   : 10:04:9f:b1:13:00
R-PHY#

```



Note System image file name for a factory installed image is */bootflash/RPD-V2-2.itb*. System image file name for a Secure Software Download(SSD) from the Cisco software download page is */bootflash/RPD-V2-2.itb.SSA*.

Microcode Software for Cisco 1x2 / Compact Shelf RPD Software 2.2

This section describes microcode software that is supported for the Cisco cBR Series Converged Broadband Routers.

For more information, see the [Upgrading the Cisco cBR Series Converged Broadband Routers for Cisco IOS XE Everest 16.6.1](#) guide.

New and Changed Information

The following sections list the new hardware and software features supported on the Cisco cBR Series Converged Broadband Routers in this release:

New Software Features in Cisco 1x2 / Compact Shelf RPD Software 2.2

There are no new software features in Cisco 1x2 / Compact Shelf RPD Software 2.2.

Modified Software Features in Cisco 1x2 / Compact Shelf RPD Software 2.2

There are no modified software features in Cisco 1x2 / Compact Shelf RPD Software 2.2.

Integrated Software Features in Cisco 1x2 / Compact Shelf RPD Software 2.2

There are no integrated features in Cisco 1x2 / Compact Shelf RPD Software 2.2 release.

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 1x2 / Compact Shelf RPD Software 2.2

There are no new MIBs in the Cisco 1x2 / Compact Shelf RPD Software 2.2 release.

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* section lists 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 sorted 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 5
- [Open Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2](#), on page 6
- [Resolved Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2](#), on page 6

Cisco Bug Search

Use the [Cisco Bug Search Tool](#) to access open and resolved bugs for a release.

The tool allows you to search for a specific bug ID, or for all bugs specific to a product and a release.

Save Search Load Saved Search Clear Search Email Current Search

Search For:

Examples: CSCid10124, router crash, etc...

Product: Series/Model

Releases: Affecting or Fixed in these Release:

If you have a specific bug ID, enter it here

Start typing product name to view suggestions or expand list to choose your product

Select from list

Enter release number

366025

You can filter the search results by last modified date, bug status (open, resolved), severity, rating, and support cases.

Save Search Load Saved Search Clear Search Email Current Search

Search For: Examples: CSCid10124, router crash, etc...

Product: Series/Model Select from list

Releases: Affecting or Fixed in these Release

Filter: Modified Date: Status: Severity: Rating: Support Cases: Bug Type: Customer Visible

Viewing 1 - 25 of 132 results Sort by Export Results to Excel

368026

Open Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2

Caveat ID Number	Description
CSCvg02212	RPHY: Interleaves are not support for Annex B

Resolved Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2

Caveat ID Number	Description
CSCve18110	rpdc stuck at init(clock)
CSCve19967	RPD SSD download fail due to Cannot allocate memory
CSCve73662	Dummy info in show cable rpd identification or version
CSCve75751	D31:RxMER is wrong when modem online
CSCve88972	RPD grouping take long time to choose primary
CSCve94405	Failed to IPv6 SSD from RPD side
CSCve96162	RPHY: Support for pre-equalization and ingress noise cancellation on RPD
CSCvf06301	RPHY: modem p-online after change the RPD ds controller profile
CSCvf06396	Should not print out system file path msg after SSH login to RPD
CSCvf09983	1RU shelf: small rate downstream packets drop in low or high temperature
CSCvf10050	RPD may take long time to be operational
CSCvf17069	OFDM power is changed after mute and no-mute the channel
CSCvf23411	Re-config the QAM channel will impact the existing Pilot channel setting
CSCvf33966	traffic loss erratically when no and add back the OOB profile

Caveat ID Number	Description
CSCvf38677	RPD cannot be online after double failure until a reset
CSCvf58658	RPHY: after cBR changed equalization and inc_enable, show cli can not update on node side.
CSCvf60415	RPHY - RPD does not come online when using Interleaver depth > 1
CSCvf70748	RPHY: interop l2tp session id duplicated when multiple SCQAM and OFDM channels
CSCvf67474	RPD stuck and not keep rebooting
CSCvf11078	Pilot tone power level can not be adjusted in expected range

