



Cisco Prisma II System Release 2.05.40 Release Note

Overview

This system release supports the Prisma II Transport System. It incorporates the new iWDM LRMW transmitter as well as changes to the EDR module files.

Purpose

This document describes the features of release 2.05.40, lists the outstanding items with this release, and provides instructions for downloading software.

Audience

This document is intended for qualified and skilled personnel who configure the system. These personnel should understand basic optics, RF, and network monitoring operations.

Qualified Personnel

Only appropriately qualified and skilled service personnel should attempt to install, operate, maintain, and service this product.



WARNING:

Allow only qualified and skilled personnel to install, operate, maintain, and service this product. Otherwise, personal injury or equipment damage may occur.

Related Publication

You may find the following publications useful as you implement the procedures in this document:

- *Cisco Prisma II Platform Installation & Configuration Guide - System Release 2.05.31*, part number OL-27999-02
- *Cisco Prisma II Platform Configuration Guide - System Release 2.05.31*, part number OL-27998-02

Document Version

This is the first version of this release note.

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Release Purpose

Hardware

This release includes new files to support the following application modules:

- Enhanced Data Receiver (EDR)
- Long Reach Multi-Wavelength (LMRW)

Note: The LMRW is an Externally Modulated 1 GHz iWDM Long Range Multi-Wavelength Transmitter available in either 8 dBm or 12 dBm output power levels.

Firmware

From a firmware perspective, this release is being provided to address additional functionality, as follows:

- Added support for EDR and LRMW modules

System Release Detailed Hierarchy

The following table provides detailed system release hierarchies for this release.

System Release Detailed Hierarchy (MSO)

Top Level	Application	Release #	Filename(s)
Embedded System	–	2.05.40	PRISMAIL_2_05_40_REL_MSO.xml
–	ICIM2	2.05.34	ICIM2_2_05_34_app.BIN
–	ICIM2 Boot	2.05.20	ICIM2_2_05_20_boot.BIN
–	Fan Tray (5010)	1.01.09	FAN_1.01.09.app
–	Fan Tray (5012)	1.01.09	FAN_1.01.09.app
–	Module Amp	1.01.06	1PCAMP_1.01.06.app
–	Post-Amp	1.01.05	2PUAMP_1.01.05.app
–	Optical Switch	1.01.06	OPSW_1.01.06.app
–	Transmitter (1033)	2.03.00	p21550FTTH_2_03_00_app.upg
–	Dual reverse receiver (high gain)	1.01.21	HDRXRHG_1.01.21.app
–	Dual reverse receiver (standard gain)	1.01.21	HDRXRLG_1.01.21.app
–	Single forward receiver	1.01.12	HDRXF_1.01.12.app
–	DPON deep reach receiver	1.01.01	DPONRXDEEPREACH_1.01.01.app
–	bdr 2:1 dual receiver	1.01.12	BDRD21RX_1.01.12.app
–	XD Fan Tray	1.01.06	XDFAN_1.01.06.app
–	HD BC EDFA	1.01.00	HDBCEDFA_1.01.00.app
–	HD NC EDFA	1.01.00	HDNCEDFA_1.01.00.app
–	HD Optical Switch	1.01.00	HDOPSW_1.01.00.app
–	Hybrid Amp	1.01.05	2PCUAMP_1.01.05.app
–	3P Hybrid Amp	1.01.03	3PCUAMP_1.01.03.app
–	GF Hybrid Amp	1.01.01	2PCUFAMP_1.01.01.app
–	Module Amp	1.01.02	P21PCAMP_1.01.02.app
–	Dual reverse receiver (low noise)	1.01.00	HDRXRLN_1.01.00.app
–	EDR receiver	1.01.17	EDR_RX_1.01.17.app

Top Level	Application	Release #	Filename(s)
–	EDFA amplifier	1.01.02	HDGFEDFA_1.01.02.app
–	LMWR transmitter (8 dBm)	1.02.04	P215TXiWDM_LO_1.02.04.app
–	LMRW transmitter (12 dBm)	1.02.04	P215TXiWDM_HI_1.02.04.app

Firmware Upgrade Requirements

Prior to upgrading any Prisma II products to system Release 2.05.31, confirm the following:

- You are using the latest version of the Prisma II Software Upgrade Program (SOUP) application (2.01.04 at this writing).
- The files in system Release 2.05.40 are copied to your FTP server prior to initiating the upgrade.

Supporting Software and Files

The following table details software and support files associated with this release.

Software/Files	Type	Release #	Filename(s)
Software Update App	App	2.01.04	See <i>Installation Instructions</i> (on page 8).
Proprietary MIBs	MIB	N/A	SCIATL-PRISMAII-ICIM-MIB.mib SCIATL-PRISMAII-MODULE-MIB.mib
CCB Boot	App	0.00.03	CCB3Boot.bin

Changes in Functionality

This release does not add or remove any functionality from previous transport system releases.

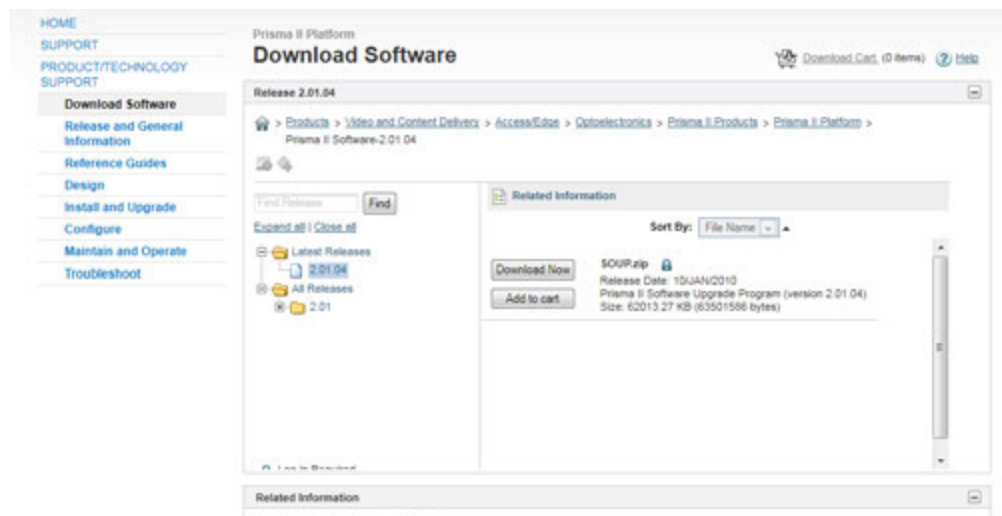
Installation Instructions

To Download the System Release

Complete the following steps to get the latest software releases.

- 1 Go to the support section of the Cisco website (www.cisco.com).
Note: If you have not done so, you will need to set up an account to access the software releases.
- 2 From the Support menu, choose **All Downloads** and then use the selection tree to find the appropriate products.

The following illustration shows the general layout of the software download page accessible from the Cisco website.



For example, Prisma II products are listed under Products > Video and Content Delivery > Access/Edge > Optoelectronics > Prisma II Products > Prisma II Platform.

There are currently four software types listed at this level:

- HFC and Optics Software – LCI for Windows
- Prisma II Firmware – All current module files in a .zip file. These are meant to be used with the SOUP utility.
- Prisma II MIBs – The MIBs for the ICIM and ICIM2
- Prisma II Software – The current release file and the SOUP utility

- 3 Download the appropriate files, depending on your needs.

Note: To update module firmware, you will need the following:

- Prisma II Firmware (P2-Modules.zip)
- Prisma II Software (PrismaII_2_05_40_REL_MSO.xml and SOUP.zip)

- 4 Unzip P2-Modules.zip to the appropriate folder for later user with the SOUP utility.
Typically, this will be an FTP folder or a folder on a separate FTP server.
- 5 Copy the release file (PrismaII_2_05_40_REL_MSO.xml) to the same folder or server location.
- 6 Do you already have the SOUP utility installed?
 - If **yes**, unzip SOUP.zip to a temporary folder and double-click **setupwin32.exe** to install the SOUP utility.
 - If **no**, skip this step.

Bug Toolkit

If you need information about a specific caveat that does not appear in this release note, you can use the Cisco Bug Toolkit to find caveats of any severity. Use the following URL to access the Bug Toolkit:

<http://tools.cisco.com/Support/BugToolKit/>

If you request a defect that cannot be displayed, the defect number might not exist, the defect might not yet have a customer-visible description, or the defect might be marked Cisco Confidential.

Resolved Caveats

System Release 2.05.40 resolves the following outstanding issues.

ID	Headline
CSCud49481	Wrong CWDM and DWDM judgment result
CUCud49540	Wrong response data when type command
CDCuf49655	Forward Receiver shows wrong value in PRX85 LCI GUI
CSCuf98815	EDR Rx Mode from Single2:1 to Dual2:1 Issue via LCI
CSCug21367	Displayed Value of Return Path1&2 Attend in PRX85 LCI GUI Issue
CSCug21875	Wrong Forward Receiver Displayed Value in PRX85 LCI GUI
CSCug21915	Display parameter name of Return Path 1&2 Atten in PRX85 LCI GUI
CSCug21932	Display value of OPM Type Issue
CSCug21957	Alarm Limit value & RX-Controls Save Issue
CSCug25769	Wrong Tx Type displayed value in LCI
CSCug62228	Wrong Mute function in Lgcy Dual2:1 RXMode
CSCug62242	Wrong RX&TX OPM Compliant status in Web and CLI
CSCug62255	Wrong value for Enable1&2 setting in Web GUI
CSCug64981	New control setting cannot be saved after PRX85 Module reset
CSCuh60098	Wrong Node data refresh
CSCuh60142	Wrong Forward Rx1 and Rx2 Optical Alarm status

For Information

If You Have Questions

If you have technical questions, contact Cisco Services at the following URL:

<http://www.cisco.com/web/services/>



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