



Cisco DigiStar Ethernet over COAX (EoC) HomePlug System Release 4.1.3, Release Note

Overview

Introduction

The Cisco DigiStar Ethernet over COAX (EoC) HomePlug system contains the DigiStar EoC Aggregation Point (AP), DigiStar EoC End Point (EP), and DigiStar EoC software applications such as the EoC HomePlug Local Craft Interface (LCI) tool.

Release History

The following table lists the release history of this document.

Document Release	Part Number	Version	Release	Status
DigiStar EoC HomePlug System Release Note	7022153	REV A	4.0.2	Published
		REV B	4.0.3	Published
		REV C	4.1.1	Published
		REV D	4.1.2	Published
		REV E	4.1.3a	Published

Purpose

The purpose of this document is to notify DigiStar EoC HomePlug System users of the enhancements included in the current release, and to inform users of any special upgrade procedures needed for using Release 4.1.3.

Audience

This document is intended for system engineers or managers responsible for operating and/or maintaining this product.

Related Product Documentation

The following table lists the related documents of this release.

Document	Part Number	Description
DigiStar Ethernet over COAX (EoC) AP Web User Interface Installation and Operation Guide	English 4040429 Chinese 4040428	This guide provides instructions for configuring and troubleshooting the DigiStar EoC AP Web UI.
EoC Command Line Interface User Guide	Chinese 4041035 English 4044164	This guide provides instructions on how to apply DigiStar EoC Command Line Interface
SNMP Interface Specification (for NDA customer only)		Request your customer consultant for this document if necessary.

Contact your sales representatives to order a CD that includes all the related documentation or visit our website:

http://www.cisco.com/en/US/products/ps10125/tsd_products_support_series_home.html to view additional publications about our products.

You need a user name and password to access this website. If you do not have a user name and password, contact your customer service representative.

Note: You may need to install a PDF reader, such as Adobe Acrobat Reader, on your system to view these publications.

Release Information

The following table provides release information for all firmware and software packages for the above-mentioned EoC AP, EoC EP, and EoC software applications.

Product	Type	Items	Release Number
E230.2	Firmware	Gateway Firmware	1.0.10*
E330.2	-	AP HomePlug7411 Firmware	-

Note: * marks new in this release.

Compatibility Support

The release consists of management tools such as the CLI.

The following table shows the compatibility of the DigiStar EoC System.

System	Supported HomePlug Devices	
DigiStar EoC System	AP	HomePlug7400 AP E230.2
	EP	Multiple EPs including: HomePlug7410 EP E330.2, HomePlug6400 EP with HFID B002/B003/E330 BStar HMD402 with Marvel 6061, BStar HMD403, HMD403T BStar HMD404T, ZTE EN408E, Laketune CP-T5214E

The following table shows the compatibility of the tools.

Management Tool	Operating Environment	Supported HomePlug Devices
Web UI	Windows IE 7 , Windows IE 8* (*compatibility mode) Firefox Web Browser	AP: E230.2, EP: E330.2
Command Line Interface (CLI)	Secure Shell (SSH)	AP: E230.2, EP: E330.2

New System Features and Enhancements

The following features are new enhancements in system release 4.1.3.

- Supports RF frequency band automatic update of the EP
- Supports the LED monitoring of OLT status
- Supports BCMP IP backup (BCMP configuration non-persistent)
- Supports Multiple EPs besides the standard Cisco DigiStar EoC EP
- Supports the third party BStar ATH8236 EP (HMD404T/ HMD403T/ HMD402 with Marvel 6061)
- Supports Cisco HomePlug6400 EP with HFID B002/B003/E330
- Imports new items in the MIB per customer requirements, including:
eocMACTrafficLimitTable, eocExtCnuEtherPortTable, eocCNUUnauthListTable,
eocVLANPortTable
- Avoids sending the broadcast mac address of “FF:FF:FF:FF:FF:FF”

Notes:

- When a third party EP is connected to Cisco DigiStar EoC AP, please confirm the performance of the EP from the specification of the third party.
- Though offline configuration of host limit is still supported, it is recommended to perform host limit setting for online EPs only.
- For online EPs, setting AP gateway firmware MIB item of eocEPHostLimit might lead to immediate reboot and takes effect after the reboot completes.

Resolved and Outstanding Issues

Resolved Issues

The following table describes the issues that have been identified as resolved in EoC HomePlug system release 4.1.3. The identifier represents the tracking number for the problem report in our tracking database. The description details the behavior prior to this release.

Table 1. Resolved Issues

Tracking Number	Description	Issue Detail	STATUS
CSCua83092	No BCMP request activated when system starts up	No BCMP request is sent from the AP after system firmware upgrade and certain setting update like community string change is not recorded successfully.	Solved
CSCty79111	AP process loss Issue with third party EPs	AP process got lost during service on-line when connecting to BStarEPs.	Solved
CSCtz02813	Failure of SNMP local module discovery fails after BCMP re-configuration	After re-configuring the AP when it is connected to the HFC networks and rebooting, it fails to discover local AP modules through SNMP.	Solved
CSCtz02636	Show frequency-band issue	Show frequency-band issue when connecting to B-star EPs.	Solved
CSCty81798	Parameter display error and SSH logon failure	Parameters including the cnu table, vlan port table, eocMACTrafficLimit, and eocExtCnuTable became empty. The online status of EP in white list is displayed as incorrectly. And server refuses to start a shell/command when log on via SSH.	Solved
CSCty53359	Delayed Response for some MIB items	When retrieving the SNMP table eocVlanPortTable, response is delayed.	Solved

Resolved and Outstanding Issues

Tracking Number	Description	Issue Detail	STATUS
CSCtx79848	Occasional failure of MIB browser to set frequency band	Setting EP frequency-band by MIB browser may fail and cause warning response "bad value". It fails to get/configure/show EP frequency band after the warning is displayed.	Solved
CSCtx29530	Wrong module ID in MAC ACL web page	Configuring Access Control List (ACL) rules in the Web UI interface, it may not return the desired results since the configured module is not correctly identified in MAC ACL web page.	Solved
CSCtx39056	EP configuration returning to default issue	After configuring the white list by removing an EP from white list, it does not shown as unauthorized by CLI commands.	Solved
CSCtx39130	Improvement on the display of AP/EP information	HomePlug Firmware version is not included in the Show Version option.	Solved
CSCtx29498	Error in configuring frequency band	After configuring the frequency band, some result doesn't match configured value.	Solved
CSCtx28675	Inaccurate SNR value displayed for CLI show command	Applying show link-status to E330.2, the returned SNR test result is inaccurate.	Solved
CSCty03298	CLI error at password verification	Verification process fails after enabling/configuring the password by the CLI error.	Solved

Outstanding Issues

The following table describes the outstanding issues. The identifier represents the tracking number for the problem report in our tracking database.

Table 2. Outstanding Issues

Tracking Number	Description	Issue Detail	STATUS
CSCtu41354	E230 supported EP number expansion	E230 supports for 96 HomePlug EPs instead of 128.	Unsolved
CSCub59926	Slow Configuration Process Issue	The GS NMS server receives configuration result traps after several minutes.	Unsolved
CSCub59895	AP's SNMP Agency No Response Issue	After the GS NMS delivers configuration file to AP, the AP HPNA agency occasionally replies no response, while the GS NMS keeps receiving "unautherized trap" from AP within 4 minutes.	Unsolved

Operation Limits

Review this section before working with the DigiStar EoC HomePlug System. These are known operation limitations that are not deemed as issues to be resolved.

The operation limits of this release are listed as following:

- **Standalone EP Resetting**
 - If EP is disconnected from the AP, it may reset periodically.
- **Multicast Limits**
 - Each multicast group contains no more than 8 members.
 - Each EP supports maximum 4 multicast sources.
 - Each member can be associated with maximum 32 multicast groups.
 - If VLAN is not enabled, multicast streams are sent to all EP ports.
- **RF Link Loss Inaccuracy**
 - Performance test of RF link loss result from AP SNMP is 6~8 dB lower than actual value.

For Information

Support Telephone Numbers

This table lists the Technical Support and Customer Service numbers for your area.

Region	Centers	Telephone and Fax Numbers
North America	Cisco Services Atlanta, Georgia United States	For <i>Technical Support</i> , call: Toll-free: 1-800-722-2009 Local: 678-277-1120 (Press 2 at the prompt) For <i>Customer Service</i> , call: Toll-free: 1-800-722-2009 Local: 678-277-1120 (Press 3 at the prompt) Fax: 770-236-5477 E-mail: customer-service@cisco.com
Europe, Middle East, Africa	Belgium	For <i>Technical Support</i> , call: Telephone: 32-56-445-197 or 32-56-445-155 Fax: 32-56-445-061 For <i>Customer Service</i> , call: Telephone: 32-56-445-444 Fax: 32-56-445-051 E-mail: service-elc@cisco.com
Japan	Japan	Telephone: 81-3-5908-2153 or +81-3-5908-2154 Fax: 81-3-5908-2155
Korea	Korea	Telephone: 82-2-3429-8800 Fax: 82-2-3452-9748 E-mail: songk@cisco.com
China (mainland)	China	Telephone: 86-400-8108886 Press 4 at the prompt E-mail: eoc-support@cisco.com
All other Asia-Pacific countries & Australia	Hong Kong	Telephone: 852-2588-4746 Fax: 852-2588-3139 E-mail: support.apr@sciatl.com
Brazil	Brazil	Telephone: 11-55-08-9999 Fax: 11-55-08-9998 E-mail: fattinl@cisco.com or ecavalhe@cisco.com

Resolved and Outstanding Issues

Region	Centers	Telephone and Fax Numbers
Mexico, Central America, Caribbean	Mexico	For <i>Technical Support</i> , call: Telephone: 52-3515152599 Fax: 52-3515152599 For <i>Customer Service</i> , call: Telephone: 52-55-50-81-8425 Fax: 52-55-52-61-0893
All other Latin America countries	Argentina	For <i>Technical Support</i> , call: Telephone: 54-23-20-403340 ext 109 Fax: 54-23-20-403340 ext 103 For <i>Customer Service</i> , call: Telephone: 770-236-5662 Fax: 770-236-5888 E-mail: keillov@cisco.com



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