



DigiStar Ethernet over COAX (EoC) HPNA System Release 3.2.6 Release Note

Overview

Introduction

The DigiStar Ethernet over COAX (EoC) system contains the DigiStar EoC Aggregation Point (AP), DigiStar EoC End Point (EP), and DigiStar EoC software applications which consist of the Ethernet over COAX Element Management System (ECEM), the Local Craft Interface (LCI) tool, and the EoC Simplified API (ESA).

Purpose

The purpose of this document is to notify DigiStar EoC System users of the enhancements included in the current release, and to inform users of any special upgrade procedures needed for using Release 3.2.6.

Audience

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

Release History

Document Release	Version	Release	Status
DigiStar EoC HPNA System Release Note	REV A	3.2.1	Published
DigiStar EoC HPNA System Release Note	REV B	3.2.3	Published
DigiStar EoC HPNA System Release Note	REV C	3.2.4	Published
DigiStar EoC HPNA System Release Note	REV D	3.2.5	Published

Related Product Documentation

Visit our website

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

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Release Information

The following tables provide release information for all firmware and software packages for the above mentioned EoC AP, EoC EP, and EoC software applications.

Table 1. AP- E220

AP	Type	Items	Release Number
E220	Firmware	HPNA Firmware	2.8.4_build 6
		Gateway Firmware	0.4.13*
		MIB File	Rev D
	Hardware	Mainboard	1.04
		Chipset	CG3210

Table 2. EP- E320

EP	Type	Items	Release Number
E320	Firmware	HPNA Firmware	2.8.4_build 6
	Hardware	Mainboard	1.01A
		Chipset	CG3210
E320.1*	Firmware	HPNA Firmware	2.8.4_build 8
	Hardware	Mainboard	1.0
		Chipset	CG3310

Table 3. Software Applications - ECEM and LCI Tool

Software	Type	Items	Release Number
ECEM	Software	NMS Software	3.2.2*
ESA	Software	EoC Simplified API	1.5.0*
LCI Tool	Software	Local Provisioning	0.6.2*

Note: *indicates new in this release.

Compatibility Support

The release consists of management tools such as the ECEM and LCI. The following table shows the compatibility of the tools.

Table 4. Compatibility support

Management Tool	Operating Environment	Third Party Software
ECEM	Windows 2000, Windows XP, Windows 7	N/A
LCI Tool	Windows 2000, Windows XP, Windows 7	WinPcap 4.1.1
Web UI	Windows IE 7 , Windows IE 8* (*compatibility mode)	N/A

Upgrade Instructions



NOTE

- The HPNA Module firmware must be upgraded to v 2.8.4 before upgrading the E220 Gateway firmware. After upgrading the HPNA module, ECEM will be flooded with SNMP traps, so the ECEM trap listening is temporarily disabled in the View->Preferences SNMP tab. After completing the upgrade, the feature can be enabled again.

We recommend that you read the Technical Publications referred in **Related Product Documentation**, page 2, prior to the upgrade.

You can refer to the Firmware Management chapter of Ethernet over COAX Element Management System User Guide, Part Number 4025954 for detailed instructions to

- Upgrade online master (AP) device firmware,
- Update gateway firmware
- Upgrade online endpoint device firmware.

New System Features

The following features are new enhancements in system release 3.2.6.

- ECEM Scalability enhancements:
 - ECEM supports management of up to 20,000 EOC EPs
 - ECEM supports AP Auto-Detect Management of static IP address
 - ECEM supports move operation in Zone Tree
 - ECEM supports up to Configuration for more than 60 EPs
- ECEM updates user interface in Fault Management.
- ECEM supports auto update of SNMP Trap address for single adapter case
- ECEM includes EP MAC address in log EP online/offline event
- Web UI supports NTP (Network Time Protocol) configuration

Resolved and Outstanding Issues

Resolved Issues

The following tables describe the issues that have been identified as resolved in EoC system release 3.2.6. The identifier represents the tracking number for the problem report in our tracking database. The description details the behavior prior to Release 3.2.6.

Table 5. AP Firmware

Tracking Number	Description	Issue Detail
CSCto82106	VOIP SIP cannot pass E220 with 5060 port	VOIP SIP cannot pass E220 with 5060 port

Table 6. ECEM

Tracking Number	Description	Issue Detail
CSCto24450	EP version was not displayed.	E320.1 was displayed also as E320.
CSCto24522	UI enhancement	The Start button was not shown unless the device list was scrolled up to the top in the Batch configuration user interface
CSCtq28174	Error in configuration parameter	If complete server name was not specified in Server Upgrade page, connection would be closed while downloading the upgrade package
CSCto13485	Error in ECEM logging	ECEM received unexpected join/leave traps after managing module
CSCtq53471	Error in ECEM Edit location	ECEM missed the previous location information after editing
CSCtq53445	UI display enhancement	Configuring upstream to unlimited, the upstream in the configuration table is displayed as "0" rather than "unlimited"

Table 7. LCI Tool

Tracking Number	Description	Issue Detail
CSCto61132	Error in reading EP settings	LCI couldn't read EP settings after configured the EP with ECEM

Outstanding Issues

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

Table 8. Outstanding Issues

Tracking Number	Description	Issue Detail
CSCti83248	Error in EP Configuration	EP Configuration is lost if user moves the EP to another module of the AP
CSCtq51470	Error in setting VLAN priority	HPNA EP VLAN priority set by LCI different from ECEM/SNMP

Operation Limits

Review this section before working with the DigiStar EoC System. These are known operation limitations that are not deemed as issues to be resolved. Some limits are also caused by recent changes to the DigiStar EoC hardware or software.

The operation limits of this release are listed as following:

■ Performance Testing Limit:

- Testing results valid only if there is data traffic.
- Start button is only active when a single EP and its AP are selected. Testing all EP function is disabled.
- Downstream link loss of E320.1 is displayed as 2 dB lower than upstream link loss

■ SQL Server Support:

SQL Server must have access to Local System. Remote SQL Server is not supported.

■ Software Environment Limit:

ECCEM error can occur without .NET Framework v2 SP2 or v3 SP1 installed.

■ Alarm Limits:

- PHY Rate and SNR threshold alarm is triggered with delay of about 10 minutes.
- Alarms can be activated only under data traffic.

■ Upload/Download Rate Limit:

Upload/Download rate limit ranges from 1 kbps – 65 Mbps or Unlimited.

■ System Size Limit:

The ECCEM software is designed for the following management capabilities on a single (regional) server: Management of up to 5000 EoC nodes (valid combination of APs and EPs).

■ Web UI Set Local Time Limit:

System time resets to default if the AP is powered off.

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: 86-21-2401-4433 Fax: 86-21-2401-4455 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

For Information

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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June 2011

Part Number 7010581 Rev E