

CISCO IOS SOFTWARE RELEASE 12.1(20)EU FOR THE CISCO UMG9850 QAM MODULE

Summary

This product bulletin addresses Cisco IOS® Software Release 12.1(20)EU. Cisco IOS Software Release 12.1(20)EU is derived from Cisco IOS Software Release 12.1(20)EW. It adds support for the Cisco uMG9850 QAM Module, and is strictly for use by cable operators deploying video-on-demand services on a hybrid fiber-coaxial (HFC) access network.

INTRODUCTION

This product bulletin lists the hardware and software features that are supported in Cisco IOS Software Release 12.1(20)EU for the Cisco uMG9850 QAM Module. Cisco IOS Software Release 12.1(20)EU is supported by the Cisco® Catalyst® 4500 Series Supervisor Engine IV only. It is not supported on the Cisco Catalyst 4500 Series Supervisor Engines II-Plus or III, the Cisco Catalyst 4000 Series Supervisor Engine I or II, or any other Cisco switching or routing platforms.

CISCO IOS SOFTWARE RELEASE 12.1(20)EU SOFTWARE SUPPORT

New Software Features

- MPEG-2 digital video gateway (with Cisco uMG9850 QAM Module)
- Enhanced Simple Network Management Protocol (SNMP) Management Information Base (MIB) support

MPEG-2 Digital Video Gateway

This release includes support for receiving MPEG-2 digital video streams encapsulated in UDP/IP from video-on-demand servers and routing the streams to the appropriate QAM module. The QAM module processes, modulates, and upconverts the streams to the desired frequency for transmission on a HFC access network to digital set-top boxes.

Enhanced SNMP MIB Support

An additional SNMP MIB supported in this release is CISCO-VIDEO-NETWORK-MIB.

SUPPORT

Cisco IOS Software Release 12.1(20)EU follows the standard Cisco support policy, available at:

http://www.cisco.com/en/US/products/products_end-of-life_policy.html

For more information about the Cisco uMG9800 Series, visit:

<http://www.cisco.com/en/US/products/hw/video/ps5648/index.html>

For more information about the Cisco Catalyst 4500 Series, visit:

<http://www.cisco.com/en/US/products/hw/switches/ps4324/index.html>

PRODUCT NUMBERS

Table 1 Cisco IOS Software Release 12.1(20)EU Feature Sets, Images, and Software Licenses

Product Number	Description	Image
S4KL3U3-12120EU	Cisco IOS Software for the Cisco uMG9850 QAM Module Basic MPEG-2 digital video gateway software image, including Routing Information Protocol (RIP) v1 and v2, and static routes	cat4000-i9su3-mz
S4KL3EU3-12120EU	Cisco IOS Software for the Cisco uMG9850 QAM Module Enhanced MPEG-2 digital video gateway plus routing software image, including Open Shortest Path First (OSPF), Intermediate System to Intermediate System (IS-IS), Interior Gateway Routing Protocol (IGRP), and Enhanced IGRP (EIGRP)	cat4000-i5su3-mz

Table 2 Cisco IOS Software Release 12.1(20)EU Hardware Support

Product Number	Description
WS-X4515	Cisco Catalyst 4500 Series Supervisor Engine IV
WS-X4515/2	Cisco Catalyst 4507R Series Redundant Supervisor Engine IV
WS-C4506	Cisco Catalyst 4506 chassis
WS-C4507R	Cisco Catalyst 4507R chassis
WS-X4148-RJ (=)	Cisco Catalyst 4000 Series 10/100 module, 48 ports (RJ-45)
WS-X4306-GB (=)	Cisco Catalyst 4000 Series Gigabit Ethernet Module, 6 ports (GBIC)
WS-X4712-UMG9850	Catalyst 4500 QAM Module, 12 RF ports, 24 QAM channels, ITU-T J.83 Annex B
WS-G5483=	1000BASE-T GBIC
WS-G5484 (=)	1000BASE-SX short-wavelength GBIC (multimode only)
WS-G5486 (=)	1000BASE-LX/LH long-haul GBIC (single-mode or multimode)
WS-G5487 (=)	1000BASE-ZX extended-reach GBIC (single-mode)
MEM-C4K-FLD64M (=)	Cisco Catalyst 4000 Series Compact Flash, 64-MB option
MEM-C4K-FLD128M (=)	Cisco Catalyst 4000 Series Compact Flash, 128-MB option
PWR-C45-1400DC-P	Cisco Catalyst 4500 Series 1400W DC power supply with integrated PEM
PWR-C45-1400AC	Cisco Catalyst 4500 Series 1400W AC power supply
PWR-C45-1000AC	1000W AC power supply for Cisco Catalyst 4503, Catalyst 4506, and Catalyst 4507R chassis
CWDM-GBIC-xxxx	Cisco 1000BASE-CWDM xxxx nm GBIC, where xxxx is the number 1470, 1490, 1510, 1530, 1550, 1570, 1590, or 1610

Product Number	Description
DWDM-GBIC-xx.yy	Cisco 1000BASE-DWDM ITU 100-GHz grid 15xx.yy nm GBIC
WDM-GBIC-REC=	Cisco receive-only 1000BASE-WDM GBIC

For additional information about this release, send an e-mail message to: vnbu-mktg@cisco.com.

**Corporate Headquarters**

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters

Cisco Systems International BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: 31 0 20 357 1000
Fax: 31 0 20 357 1100

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters

Cisco Systems, Inc.
168 Robinson Road
#28-01 Capital Tower
Singapore 068912
www.cisco.com
Tel: +65 6317 7777
Fax: +65 6317 7799

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