



PRODUCT BULLETIN NO. 2785

CISCO IOS SOFTWARE RELEASE 12.2(20)EU FOR THE CISCO uMG9850 QAM MODULE

INTRODUCTION

Cisco Systems® announces a new Cisco IOS® Software release for the Cisco® uMG9850 QAM Module. This product bulletin lists the hardware and software features that are supported in Cisco IOS Software Release 12.2(20)EU. Cisco IOS Software Release 12.2(20)EU is an Early Deployment (ED) release based on Cisco IOS Software Release 12.2(20)EWA. It supports the Cisco uMG9850 QAM Module, and is strictly for use by cable operators deploying video-on-demand and digital broadcast services on a hybrid fiber-coaxial (HFC) access network.

Cisco IOS Software Release 12.2(20)EU is supported by the Cisco Catalyst® 4500 Series Supervisor Engines II-Plus and IV only. It is not supported on the Cisco Catalyst 4500 Series Supervisor Engines II-Plus-TS, III, V, or V-10GE, the Cisco Catalyst 4000 Series Supervisor Engine I or II, or any other Cisco switching or routing platforms.

CISCO IOS SOFTWARE RELEASE 12.2(20)EU SOFTWARE SUPPORT

New Software Features

- MPEG-2 Digital Broadcast Services
- Enhanced Video Routing
- Enhanced Simple Network Management Protocol (SNMP) Management Information Base (MIB) support

MPEG-2 Digital Broadcast Services

This release enables cable operators to utilize the Cisco uMG9850 QAM Module to deliver digital broadcast services to their subscribers. The Cisco uMG9850 can receive a Multiprogram Transport Stream (MPTS) via unicast or multicast from a digital video source, and transmit the MPTS on one or more QAM channels across the HFC network to digital set-top boxes used by cable subscribers.

Enhanced Video Routing

With this release, the Cisco uMG9850 module no longer functions as an IP host. The Cisco Catalyst 4500 Series Supervisor Engine plays that role, and the enhanced video routing feature enables the aggregation of video traffic, resulting in fewer IP addresses required and a simplified IP network design.

Enhanced SNMP MIB Support

This release supports the following additional SNMP MIB: CISCO-VIDEO-NETWORK-EXT-MIB.

SUPPORT

Cisco IOS Software Release 12.2(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 Catalyst 4500 Series, visit:

http://www.cisco.com/en/US/products/hw/switches/ps4324/tsd_products_support_series_home.html.

PRODUCT NUMBERS

Table 1 lists Cisco IOS Software Release 12.2(20)EU feature sets, images, and software licenses. Table 2 identifies the hardware supported.

Table 1. Cisco IOS Software Release 12.2(20)EU Feature Sets, Images, and Software Licenses

Product Number	Description	Image
S4KL3U3-12220EU	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
S4KL3EU3-12220EU	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 12.2(20)EU Hardware Support

Product Number	Description
WS-X4013+	Cisco Catalyst 4500 Series Supervisor Engine II=Plus
WS-X4013+/2	Cisco Catalyst 4500 Series Redundant Supervisor Engine II-Plus
WS-X4515	Cisco Catalyst 4500 Series Supervisor Engine IV
WS-X4515/2	Cisco Catalyst 4507R Series Redundant Supervisor Engine IV
WS-C4503	Cisco Catalyst 4503 Chassis
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	Cisco Catalyst 4500 QAM Module, 12 RF ports, 24 QAM channels, ITU-T J.83 Annex B
WS-G5483=	Cisco 1000BASE-T GBIC
WS-G5484 (=)	Cisco 1000BASE-SX short-wavelength GBIC (multimode only)
WS-G5486 (=)	Cisco 1000BASE-LX/LH long-haul GBIC (single-mode or multimode)
WS-G5487 (=)	Cisco 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	Cisco 1000W AC power supply for Cisco Catalyst 4503, Catalyst 4506, and Catalyst 4507R Chassis

Product Number	Description
CWDM-GBIC-xxxx	Cisco 1000BASE-CWDM xxxx nm GBIC, where xxxx is the number 1470, 1490, 1510, 1530, 1550, 1570, 1590, or 1610
DWDM-GBIC-xx.yy	Cisco 1000BASE-DWDM ITU 100-GHz grid 15xx.yy nm GBIC
WDM-GBIC-REC=	Cisco receive-only 1000BASE-WDM GBIC
GLC-SX-MM=	Cisco 1000BASE-SX SFP
GLC-LX-SM=	Cisco 1000BASE-LX SFP
CWDM-SFP-xxxx	Cisco 1000BASE-CWDM xxxx nm SFP, where xxxx is the number 1470, 1490, 1510, 1530, 1550, 1570, 1590, or 1610

FOR MORE INFORMATION

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

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