

Cisco Model EPC3212 EuroDOCSIS 3.0 8x4 Cable Modem with Embedded Digital Voice Adapter

The Cisco® Model EPC3212 EuroDOCSIS 3.0 8x4 Cable Modem with Embedded Digital Voice Adapter (EPC3212) is a high-speed cable modem with an embedded digital voice adapter. The EPC3212 provides a faster connection to the Internet by incorporating eight bonded downstream channels along with four bonded upstream channels. These bonded channels deliver downstream data rates in excess of 440 Mbps. That's up to eight times faster than conventional single-channel EuroDOCSIS™ 2.0 cable modems.¹

The EPC3212 uses advanced line-interface technology to provide multi-country, toll-quality, telephone service using existing in-home wiring. The EPC3212 features two RJ-11 telephone ports for voice and supports 5 REN phone loading on each phone line.

Figure 1. EPC3212 EuroDOCSIS 3.0 8x4 Cable Modem with Embedded Digital Voice Adapter (image may vary from actual product and specification)



The EPC3212 is designed to meet EuroPacketCable™ 1.5 and EuroDOCSIS 3.0 specifications as well as being backward compatible with EuroDOCSIS 2.0, 1.1, and 1.0 networks. The EPC3212 fully supports the CODECs specified in EuroPacketCable 1.5. Additional CODECs are available through a software upgrade that includes a high-fidelity CODEC option for toll-quality plus service. Standard VoIP call signaling is compliant with EuroPacketCable (MGCP/NCS) specifications. Software upgrades are available to support Session Initiation Protocol (SIP) call signaling.

¹ Channel Bonded cable modems must be used in conjunction with CMTSs that support Channel Bonded bonding per the DOCSIS 3.0 specifications. When used with non-Channel Bonded CMTSs, Channel Bonded cable modems function as a conventional DOCSIS 2.0 cable modems.

Features

EuroDOCSIS

- Eight (8) bonded downstream channels with data rates in excess of 440 Mbps
- Four (4) bonded upstream channels with data rates in excess of 120 Mbps
- Designed to meet EuroDOCSIS 3.0 specifications as well as backward compatibility with existing EuroDOCSIS 2.0, 1.1 and 1.0 networks
- Enhanced packet processing technology to maximize performance
- Dual-color LEDs indicate operational status
- Color-coded connectors and cables for easy installation and setup

Embedded Digital Voice Adapter

- Two-line embedded digital voice adapter for wired telephony service
- Expanded tuning range, 108-1002 MHz
- Toll-quality, high-compression, and high-fidelity (exceeding toll quality) CODEC options

Connections

- Bridged 10/100/1000 Mbps Ethernet port with Auto-negotiate and Auto-MDIX and USB 2.0 data port
- Support for up to 64 users (1 USB port user and up to 63 users on user-supplied Ethernet hubs)

Design and Function

- Attractive, compact design and versatile orientation to stand vertically, lie flat on the desktop or shelf, or mount easily on a wall
- LED status indicators on the front-panel provide an informative and easy-to-understand display that indicates the cable modem operational status and real-time data transmission activity
- Rugged electronic components for long-term reliability

Management

- Software upgradeable by network download
- Remote manageability using SNMP V1/V2 and V3

Software and Documentation

- CD-ROM containing user guide and USB driver installation software for Microsoft Windows Vista, Windows XP, and Windows 2000 operating systems

Figure 2. EPC3212 Front Panel (image may vary from actual product and specification)



Table 1. Front Panel Features

Feature	Description
Indicators	POWER, DS, US, ONLINE, LINK, TEL1, TEL2
Color	Black case, black face plate, silver text, green/amber LEDs
Branding	Cisco logo and model number

Figure 3. EPC3212 Back Panel (image may vary from actual product and specification)



Table 2. Back Panel Switch and Connections

Feature	Description
ON/OFF Switch	Switches power to the unit
POWER Connector Color: Black	Connects modem to the DC output of the AC power adapter
TELEPHONE 1 and 2 Color: Gray	RJ-11 telephone ports connect to home telephone wiring and to conventional telephones or fax machines
ETHERNET Connector Color: Yellow	RJ-45 Ethernet port connect to the Ethernet port on your PC or your home network
USB Connector Color: Blue	USB 2.0 port connects to a USB port on your PC
REBOOT EMTA	Power cycles the modem
CABLE Connector Color: White	F-connector connects to an active cable signal from your service provider

Ordering Information

Table 3. Ordering Information

Description	Part Number
5-65/108-1002 MHz diplex filter, PAL/NTSC, non-battery housing	
EPC3212 EuroDOCSIS 3.0 Cable Modem with Embedded Digital Voice Adapter, and USB port. Includes: <ul style="list-style-type: none"> • 15 VDC/1A 230 VAC / 50-60 Hz, wall-mount style linear-switching power supply with European 2-pin plug • Ethernet and USB data cables • CD-ROM containing user guide and USB drivers <i>Europe</i>	4027676
EPC3212 EuroDOCSIS 3.0 Cable Modem with Embedded Digital Voice Adapter, and USB port. Includes: <ul style="list-style-type: none"> • 15 VDC/1A 240 VAC / 50-60 Hz, wall-mount style linear-switching power supply for Australia • Ethernet and USB data cables • CD-ROM containing user guide and USB drivers <i>Australia</i>	4033407

Replacement Components

Table 4. Replacement Components

Description	Part Number
Power supply	
15 VDC/1 A, 230 VAC/50-60 Hz, linear-switching, wall-mount, 2-pin Euro style plug	4015455
15 VDC/1 A, 240 VAC/50-60 Hz, linear-switching, wall-mount, Australia	4020503
Data Cables	
Ethernet, 1.2 meters	740580
USB, 1.0 Meter	740579
CD-ROM	
CD-ROM with user guide and USB drivers	4029648



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Service Provider Video Technology Group
1-800-722-2009 or 678-277-1120
www.scientificatlanta.com

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