

Cisco Model EPC2607 Channel-Bonding Cable Modem with EMTA

The home network just got faster and more flexible with the Cisco® Model EPC2607 Channel-Bonding embedded media terminal adapter (EMTA). Subscribers can surf the Internet at data rates in excess of 100 megabits per second (Mbps) and have two phone lines all from one device.

Subscribers are increasingly demanding “many services to many screens.” Service providers can meet this demand using channel bonding to increase bandwidth. Channel bonding combines several radio frequency (RF) channels into one “virtual” channel easing the load on the network.

When you add phone service to the bundle, subscribers can enjoy Internet and phone service from one provider, while service providers can successfully compete in today's highly competitive markets.

Figure 1. Model EPC2607 Channel-Bonding Cable Modem with EMTA



Benefits

High-Speed Data Service

- DOCSIS® 3.0 style channel-bonding technology that uses multiple channels to deliver more packets simultaneously, providing much higher throughput performance compared to existing downstream speeds
- DOCSIS 3.0 compliant automatic discovery of bonding groups simplifies provisioning and establishes service quickly

VoIP Support

- EMTA integrates VoIP services into the cable modem providing a reliable voice and data service solution for advanced triple-play broadband services
- PacketCable compliant VoIP software assures compatibility and interoperability
- Optional SIP call signaling provides service providers flexibility in operating their networks

Standards Support

- EuroPacketCable™ and EuroDOCSIS™ 2.0 support as well as backward compatibility with EuroDOCSIS 1.1 and EuroDOCSIS 1.0 networks
- DOCSIS 3.0 compatible channel bonding allows operation in DOCSIS 3.0 networks

Connectivity Features

- Two RJ-11 telephone ports for digital voice service
- Advanced line-interface technology provides multi-country, toll-quality telephone service using existing in-home wiring.
- Full 5 REN phone support on each phone line (5 phones on each line for a total of 10)
- Bridged GigE and 10/100BASE-T auto-sensing / auto-MDIX Ethernet ports and USB 2.0 data port

Codec Support

- Toll-quality, high-compression, and high-fidelity (exceeding toll quality) Codec options
- G.711, T.38 Fax Relay, iLBC and BV16 Codecs available
- Software upgradeable to support other Codec combinations
- PacketCable 1.5, EuroPacketCable 1.0 or SIP software is available

Ergonomics

- Versatile orientation: stands vertically, lies flat on the desktop, or mounts easily on the wall
- WebWizard graphical user interface for simple setup
- LED status indicators on the front panel provide an informative and easy-to-understand display that indicates the cable modem status and real-time data transmission activity

Figure 2. EPC2607 Front Panel (Image may vary from actual product and specification)



Table 1. Front Panel Features

Feature	Description
Indicators	Power, DS1, DS2, DS3, Upstream (US), Online, 1000, 10/100, USB, TEL 1, and TEL 2 lights
Color	Dark gray housing, black lens, silver text
Branding	Cisco and model number

Figure 3. EPC2607 Back Panel (Image may vary from actual product and specification)



Table 2. Back Panel Features

Feature	Description
Power	Connects the EMTA to the DC output of the AC power adapter that is provided with your EMTA
Telephone	RJ-11 telephone ports connect to home telephone wiring, conventional telephones, or fax machines
Ethernet 1000	1000 Mbps RJ-45 Ethernet port connects to the Ethernet port on a PC or IP set-top
Ethernet 10/100	10/100 Mbps RJ-45 Ethernet port connects to the Ethernet port on a PC
USB	USB 2.0 port connects to the USB port on your PC
REBOOT EMTA	Power cycles the EMTA
Cable	F connector connects to an active cable signal from your cable service provider

Ordering Information

Table 3. Ordering Information

Description	Part Number
EPC2607 Channel Bonded EMTA for Europe • 3 Downstream tuners and 1 upstream transmitter (3X1) • GigE port • 10/100 MHz Ethernet Port • USB 2.0 port • 230-240 VAC / 50-60 Hz, 15 VDC / 1A wall-mount high efficiency linear switching power supply with Euro plug • Ethernet cable • USB cable • CD-ROM with User Guide and USB Drivers EUROPE	4021105
Replacement Components - AC Power Supplies	
<i>High Efficiency Linear Switching, Class 2</i>	
230-240 VAC / 50-60 Hz, 12 VDC/1A wall-mount high efficiency linear switching power supply with Euro plug	4015453
Cables	
Ethernet cable, standard 1.2 meter length	740580
Ethernet cable, 2 meter	4018790
USB cable	740579
User Guide and USB Drivers	
CD-ROM with user guide and USB drivers	4023779



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