

## Cisco Model EPC2203 DOCSIS 2.0 Cable Modem with Embedded MTA

The Cisco® Model EPC2203 Cable Modem (EPC2203) is a high-speed cable modem with an embedded media terminal adapter (EMTA). The EPC2203 features two RJ-11 telephone ports for Voice over Internet Protocol (VoIP) service along with a 10/100BASE-T Ethernet port and a USB 1.1 port for high-speed data connectivity.

The EPC2203 also features Dual Mode. This feature allows the service provider to deploy the EPC2203 in networks that use DOCSIS® 6 MHz downstream modulation.

The EPC2203 is designed to meet EuroPacketCable™ 1.0 and EuroDOCSIS™ 2.0 specifications and is backward compatible with EuroDOCSIS 1.1 and EuroDOCSIS 1.0 networks. The EPC2203 uses advanced line interface technology to provide multi-country toll-quality telephone service using existing in-home wiring. The EPC2203 supports full 5 REN phone loading on each phone line (10 REN total).

The EPC2203 fully supports the CODECs specified in PacketCable™ 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 PacketCable's (MGCP/NCS) specifications. Software upgrades are available to support Session Initiation Protocol (SIP) call signaling.

**Figure 1.** Cisco Model EPC2203 DOCSIS 2.0 Cable Modem with EMTA (image may vary from actual product and specification)



The EPC2203 also features WebWizard, a browser-based user interface. WebWizard is a powerful tool that facilitates installation and troubleshooting, and eliminates the need to load setup software on the customer premises equipment (CPE).

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## Features

### Standards Support

- Designed to meet EuroDOCSIS 2.0 specifications
- Backward compatible with EuroDOCSIS 1.1 and 1.0 networks
- Designed to meet EuroPacketCable 1.5 and EuroPacketCable 1.0 specifications
- Support for up to 64 users (1 USB port user and up to 63 users on user-supplied Ethernet hubs)

### Connections

- Bridged 100/10 Mbps Ethernet port with Auto-negotiate and Auto-MDIX
- USB 1.1 client port

### VoIP Support

- Cable modem with an Embedded MTA that provides two lines of voice services
- Toll-quality, high-compression, and high-fidelity (exceeding toll quality) CODEC options

### 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
- TR-068-compliant color-coded connectors and cables for easy installation and setup
- Both vertical and horizontal installation options
- Rugged electronic components for long-term reliability
- Optional housing that has provisions for an internal cartridge-style Li-Ion battery to provide backup power in the event of an AC power failure. The battery compartment is neatly concealed on the bottom of the unit. This user-friendly design allows easy battery cartridge replacement without the use of any tools.

### 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 7, Vista, Windows XP, and Windows 2000 operating systems

**Figure 1.** Cisco Model EPC2203 Front Panel shown with non-battery enclosure (image may vary from actual product and specification)



**Table 1.** Front Panel Features

Feature	Description
Indicators	POWER, DS, US, ONLINE, LINK, TEL 1, TEL2
Color	Black textured, dark gray housing, white text, green LEDs

**Figure 2.** Cisco Model EPC2203 Back Panel shown with non-battery enclosure (image may vary from actual product and specification)



**Table 2.** Back Panel Features (non-battery enclosure)

Feature	Description
POWER Connector Color: Black	Connects the EMTA to the DC output of the AC power adapter that is provided with your EMTA (units shipping to the EU have power connectors with integrated power switch)
Telephone Connector Color: Gray	RJ-11 telephone ports connect to home telephone wiring, conventional telephones, or fax machines
Ethernet Connector Color: Yellow	10/100BASE-T RJ-45 Ethernet port connects to the Ethernet port on a PC or IP set-top
USB Connector Color: Blue	USB 1.1 port connects to the USB port on your PC
Reboot EMTA	Resets the EMTA
Cable Connector Color: White	F-connector connects to an active cable signal from your cable service provider
MAC ADDRESS LABEL	Displays the MAC address of the cable modem

## Ordering Information

**Table 3.** Ordering Information

Description	Part Number
<p><b>2-line VoIP, Standard Housing No Battery Capability</b></p> <p>2-Line VoIP Cable Modem with EMTA for International markets. Includes:</p> <ul style="list-style-type: none"> <li>• EuroPacketCable 1.0 / EuroDOCSIS 2.0</li> <li>• Standard housing (no battery backup capability)</li> <li>• 230 VAC / 50 Hz, 12 VDC / 1A wall-mount style linear-switching power supply for Europe</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user guide and USB drivers</li> </ul>	4011095
<p>2-Line VoIP Cable Modem with EMTA for International markets. Includes:</p> <ul style="list-style-type: none"> <li>• EuroPacketCable 1.0 / EuroDOCSIS 2.0</li> <li>• Standard housing (no battery backup capability)</li> <li>• 100-240 VAC / 50-60 Hz, 12 VDC / 1A desktop style switching-regulated universal power supply with detachable power cord</li> <li>• Power cord, Europe</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user guide and USB drivers</li> </ul>	4013276
<p>2-Line VoIP Cable Modem with EMTA for International markets. Includes:</p> <ul style="list-style-type: none"> <li>• EuroPacketCable 1.0 / EuroDOCSIS 2.0</li> <li>• Standard housing (no battery backup capability)</li> <li>• 230-240 VAC / 50 Hz, 12 VDC / 1A wall-mount style linear-switching power supply for the United Kingdom</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user guide and USB drivers</li> </ul>	4014659
<p>2-Line VoIP Cable Modem with EMTA for International markets. Includes:</p> <ul style="list-style-type: none"> <li>• EuroPacketCable 1.0 / EuroDOCSIS 2.0</li> <li>• Standard housing (no battery backup capability)</li> <li>• 230 VAC / 50 Hz, 12 VDC / 1A wall-mount style linear-switching power supply, Europe</li> <li>• No Ethernet or USB cables</li> </ul> <p><b>Customer Specific Configuration</b></p>	4014719
<p>2-Line VoIP Cable Modem with EMTA for International markets. Includes:</p> <ul style="list-style-type: none"> <li>• EuroPacketCable 1.0 / EuroDOCSIS 2.0</li> <li>• Standard housing (no battery backup capability)</li> <li>• 230 VAC / 50 Hz, 12 VDC / 1A wall-mount style linear-switching power supply, Europe</li> <li>• No Ethernet or USB cables</li> </ul> <p><b>Customer Specific Configuration</b></p>	4022364
<p>2-Line VoIP Cable Modem with EMTA for International markets. Includes:</p> <ul style="list-style-type: none"> <li>• EuroPacketCable 1.0 / EuroDOCSIS 2.0</li> <li>• Standard housing (no battery backup capability)</li> <li>• 230 VAC / 50 Hz, 12 VDC / 1A wall-mount style linear-switching power supply, Europe</li> <li>• Ethernet and USB cables</li> <li>• (2) TEA, RJ-11 to 3-port ISDN adapter</li> <li>• USB port plug</li> <li>• Customer specific branding label</li> <li>• CD-ROM containing user guide and USB drivers</li> </ul> <p><b>Customer Specific Configuration</b></p>	4025303

Description	Part Number
<b>2-line VoIP, Standard Housing No Battery Capability</b>	
2-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> <li>EuroPacketCable 1.0 / EuroDOCSIS 2.0</li> <li>Standard housing (no battery backup capability)</li> <li>100-230 VAC / 50 Hz, 12 VDC / 1A wall-mount style switching-regulated universal power supply, Europe</li> <li>Ethernet and USB cables</li> <li>CD-ROM containing user guide and USB drivers</li> </ul> <b>Customer Specific Configuration</b>	4022764
Description	Part Number
<b>1-Line VoIP, Standard Housing No Battery Capability</b>	
1-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> <li>EuroPacketCable 1.0 / EuroDOCSIS 2.0</li> <li>Standard housing (no battery backup capability)</li> <li>1-line VoIP, one (1) RJ-11 connector on rear panel</li> <li>230-240 VAC / 50-60 Hz, 12 VDC / 1A wall-mount linear-switching power supply, Europe</li> <li>Bulk Pack</li> <li>No USB port</li> <li>No USB or Ethernet cable</li> <li>CD-ROM containing user guide and USB drivers</li> </ul>	4017723

## Replacement Components

**Table 4.** Replacement Components

Description	Part Number
<b>AC Power Supplies, 12 VDC</b>	
<b>12 VDC High Efficiency Linear-Switching, Class 2</b>	
230 VAC / 50-60 Hz, 12 VDC /1A wall-mount linear-switching power supply for Australia	4018797
230 VAC / 50-60 Hz, 12 VDC /1A wall-mount linear-switching power supply with Euro style connector	4015453
230-240 VAC / 50-60 Hz, 12 VDC /1A wall-mount linear-switching power supply with BS-1363 United Kingdom style 3-pin connector	4018794
<b>12 VDC Universal Switching Mode, Class 2</b>	
100-240 V AC / 50-60 Hz, 12 V DC / 1A desktop style universal switching-regulated power supply with detachable power cord (power cord not included, order power cord separately)	4021485
100-240 V AC / 50-60 Hz, 12 V DC / 1A wall-mount universal switching-regulated power supply	4022057
<b>Power Cords, Class 2</b>	
Power cord, 2 conductor, European, Euro plug CEE7/16 to C7	503414
Power cord, 2 conductor, United Kingdom, BS1363 to C7	1002798
<b>Cables</b>	
Ethernet cable, standard length, 48 inches long	740580
Ethernet cable, 2 meters long	4018790
USB cable	740579
<b>User Guide and USB Drivers</b>	
CD-ROM with user guide and USB drivers	4029640



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Cisco Systems, Inc.  
1-800-722-2009 or 678-277-1000  
[www.cisco.com](http://www.cisco.com)

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