

Subscriber Networks

Model EPC2203 Cable Modem with Embedded MTA

Description

The 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.

WebWizard

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

Description continued next page

Features

- 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
- Internet Protocol Security (IPsec) and AES-128 encryption options
- Attractive compact design and versatile orientation to stand vertically, lie flat on the desktop, or mount easily on the wall
- Front panel LEDs provide visual feedback of real-time data transmission and cable modem status
- Bridged 10/100BASE-T auto-sensing/auto-MDIX Ethernet port, and USB 1.1 data port
- 2200 mAh Li-Ion battery cartridge provides up to 8 hours of battery backup operation¹

¹ The listed battery backup time (8 hours) is the nominal initial time that the battery pack can provide standby power after loss of AC power and after fully charging the battery. Due to variations in individual units, the actual initial standby time can vary +/- 10%. Other factors can also influence battery standby power times such as CPE data activity, variations in EuroDOCSIS traffic, telephone port activity, battery aging, and temperature.



Description, continued

Battery Backup (Optional)

The EPC2203 can be ordered with an 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.

Models Available



Non-battery enclosure



"C" Enclosure
Support for one battery cartridge

Ordering Information

Contact your Sales Representative for product availability in your area.

Description	Part Number
2-Line VoIP, Standard Housing No Battery Capability 2-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> • EuroPacketCable 1.0 / EuroDOCSIS 2.0 • Standard housing (no battery backup capability) • 230 VAC / 50 Hz, 12 VDC / 1A desktop style linear power supply with attached cord and CEE7/16 Euro plug power connector • Ethernet and USB cables • CD-ROM containing user guide and USB drivers 	4011095
2-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> • EuroPacketCable 1.0 / EuroDOCSIS 2.0 • Standard housing (no battery backup capability) • 100-240 VAC / 50-60 Hz, 12 VDC / 1A Class 2 desktop style switching mode power supply • 2 conductor, European, Euro plug CEE7/16 to C7 • Ethernet and USB cables • CD-ROM containing user guide and USB drivers 	4013276
2-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> • EuroPacketCable 1.0 / EuroDOCSIS 2.0 • Standard housing (no battery backup capability) • 230-240 VAC / 50 Hz, 12 VDC / 1A desktop style linear power supply with attached cord and BS-1363 UK style 3-pin power connector • Ethernet and USB cables • CD-ROM containing user guide and USB drivers 	4014659
2-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> • EuroPacketCable 1.0 / EuroDOCSIS 2.0 • Standard housing (no battery backup capability) • 230 VAC / 50 Hz, 12 VDC / 1A desktop style linear power supply with attached cord and CEE7/16 Euro plug power connector • No Ethernet or USB cables • No CD-ROM containing user guide and USB drivers 	4014719
2-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> • EuroPacketCable 1.0 / EuroDOCSIS 2.0 • Standard housing (no battery backup capability) • 230 VAC / 50 Hz, 12 VDC / 1A desktop style linear power supply with attached cord and CEE7/16 Euro plug power connector • No Ethernet or USB cables • No CD-ROM containing user guide and USB drivers 	4022364
Customer Specific Configuration	

Ordering Information, continued

Description 2-line VoIP, Standard Housing No Battery Capability	Part Number
2-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> • EuroPacketCable 1.0 / EuroDOCSIS 2.0 • Standard housing (no battery backup capability) • 230 VAC / 50 Hz, 12 VDC / 1A desktop style linear power supply with attached cord and CEE7/16 Euro plug power connector • Ethernet and USB cables • (2) TEA, RJ-11 to 3-port ISDN adapter • USB port plug • Customer specific branding label • CD-ROM containing user guide and USB drivers Customer Specific Configuration	4025303
2-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> • EuroPacketCable 1.0 / EuroDOCSIS 2.0 • Standard housing (no battery backup capability) • 100-230 VAC / 50 Hz, 12 VDC / 1A wall-mount switching regulated power supply CEE7/16 Euro plug power connector • Ethernet and USB cables • CD-ROM containing user guide and USB drivers Customer Specific Configuration	4022764

Description 2-Line VoIP, "C" Housing with one (1) battery bay	Part Number
2-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> • EuroPacketCable 1.0 / EuroDOCSIS 2.0 • Battery backup housing (1 battery bay, bottom loaded) • 230 VAC / 50 Hz, 15 VDC / 1A desktop style linear power supply with attached cord and CEE7/16 Euro plug power connector • Ethernet and USB cables • CD-ROM containing user guide and USB drivers 	4011333
2-Line VoIP Cable Modem with EMTA for International markets. Includes: <ul style="list-style-type: none"> • EuroPacketCable 1.0 / EuroDOCSIS 2.0 • Battery backup housing (1 battery bay, bottom loaded) • 100-240 VAC / 50-60 Hz, 15 VDC / 1A Class 2 desktop style switching mode power supply • Ethernet and USB cables • CD-ROM containing user guide and USB drivers 	4011334

Ordering Information, continued

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

Replacement Components

AC Power Supplies, 12 VDC	Part Number
<i>12 VDC High Efficiency Linear-Switching, Class 2</i>	
100-120 VAC / 50-60 Hz, 12 VDC / 1A desktop style linear-switching power supply with attached power cord and connector for North America and Japan	4018777
100-120 VAC / 50-60 Hz, 12 VDC / 1A wall-mount linear-switching power supply for North America and Japan	4015452
220 VAC / 50-60 Hz, 12 VDC / 1A wall-mount linear-switching power supply for Argentina	4015457
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
220 VAC / 50-60 Hz, 12 VDC / 1A wall-mount linear-switching power supply for Korea	4015458
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
<i>12 VDC Universal Switching Mode, Class 2</i>	
100-240 V AC / 50-60 Hz, 12 V DC / 1A desktop style universal switching mode power supply, Class II, C7 AC connector, 2 conductor (power cord not included, order power cord separately)	4021485
100-240 V AC / 50-60 Hz, 12 V DC / 1A wall-mount universal switching mode power supply, Class II, C7 AC connector, 2 conductor (power cord not included, order power cord separately)	4022057
<i>12 VDC Linear, Class 2</i>	
120 VAC / 60 Hz, 12 VDC / 1A desktop style linear power supply with attached power cord and connector for North America	749826
220 VAC / 50 Hz, 12 V DC / 1A desktop style linear power supply with attached cord and power connector for Argentina	4012871
220 VAC / 60 Hz, 12 V DC / 1A desktop style linear power supply with attached cord and power connector for Korea	4004222

Replacement Components, continued

AC Power Supplies, 12 VDC	Part Number
230 VAC / 50 Hz, 12 V DC / 1A desktop style linear power supply with attached cord and CEE7/16 Euro plug power connector	4002193
230-240 VAC / 50 Hz, 12 V DC / 1A desktop style linear power supply with attached cord and BS-1363 United Kingdom style 3-pin power connector	4004768

AC Power Supplies, 15 VDC	Part Number
<i>15 VDC High Efficiency Linear-Switching, Class 2</i>	
100-120 VAC / 50-60 Hz, 15 VDC / 1A desktop style linear-switching power supply with attached power cord and polarized AC connector for North America	4018776
100-120 VAC / 50-60 Hz, 15 VDC / 1A wall-mount linear-switching power supply with non-polarized connector for North America and Japan	4015454
100-120 VAC / 50-60 Hz, 15 VDC / 1A wall-mount linear-switching power supply with polarized AC connector for North America	4018796
230 VAC / 50-60 Hz, 15 VDC / 1A wall-mount linear-switching power supply with Euro style connector	4015453
230-240 VAC / 50-60 Hz, 15 VDC / 1A wall-mount linear-switching power supply with BS-1363 United Kingdom style 3-pin connector	4018795
<i>15 VDC, Universal Switching Mode, Class 2</i>	
100-240 VAC / 50-60 Hz, 15 VDC / 1A desktop universal switching mode power supply, Class II, C7 AC connector, 2 conductor power cord (power cord not included, order power cord separately)	4007274
<i>15 VDC Linear, Class 2</i>	
120 VAC / 60 Hz, 15 VDC / 1A desktop style linear power supply with attached power cord and connector for North America	4004854
230 VAC / 50 Hz, 15 VDC / 1A desktop style linear power supply with attached cord and CEE7/16 Euro plug connector	4004855
230-240 VAC / 50 Hz, 15 VDC / 1A desktop style linear power supply with attached cord and BS-1363 United Kingdom style 3-pin United Kingdom power connector	4006872

Power Cords	Part Number
<i>Class 2</i>	
Power cord, 2 conductor, North America, NEMA 1-15 to C7, non-polarized	1002239
Power cord, 2 conductor, Japan, NEMA 1-15 to C7, non-polarized	207586
Power cord, 2 conductor, European, Euro plug CEE7/16 to C7	503414
Power cord, 2 conductor, United Kingdom, BS1363 to C7	1002798
Power cord, 2 conductor, Brazil Euro plug CEE7/16 to C7, INMETRO	4009115
Power cord, 2 conductor, Korea	4010439
Power cord, 2 conductor, Argentina	4012938

Replacement Components, continued

Battery Cartridge	Part Number
2200 mAh Li-Ion Battery Cartridge	4008300

Cables	Part Number
Ethernet cable	740580
Ethernet cable, 2 meters long	4018790
USB cable	740579

User Guide and USB Drivers	Part Number
CD-ROM with user guide and USB drivers	4001911



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