

Subscriber Networks

Model EPC2505™ Channel Bonded Cable Modem

Description

The EPC2505™ Channel Bonded Cable Modem (EPC2505) provides EuroDOCSIS™ broadband service providers with a cost-effective solution for delivering high-speed data services at data rates in excess of 100 Mbps or up to three times that of conventional EuroDOCSIS 2.0 technology.¹

The EPC2505 incorporates three bonded downstream channels to effectively triple the downstream throughput as compared to traditional single channel EuroDOCSIS cable modems.

The EPC2505 is designed to meet EuroDOCSIS 2.0 specifications and provides backward compatibility for operation in EuroDOCSIS 1.1 and EuroDOCSIS 1.0 networks.



Description continued next page

Features

The following features are applicable unless otherwise noted in the Ordering Information section. See specific part numbers for exceptions.

- Three (3) bonded channels with total throughput in excess of 100 Mbps
- DOCSIS 3.0 compatible; operates in DOCSIS 3.0 networks
- L2 VPN support
- IPv6/IPv4 support per the DOCSIS 3.0 specifications
- Designed to meet EuroDOCSIS 2.0 specifications
- Backward compatible with existing EuroDOCSIS 1.1 and 1.0 networks
- Attractive new compact design
- Both vertical and horizontal installation options
- Support for up to 64 users (1 USB port user and up to 63 users on user-supplied Ethernet hubs)
- GigE Ethernet port with Auto negotiate and Auto-MDIX
- USB 2.0 data port
- USB drivers for Microsoft Windows XP, Windows 2000, and Vista
- Bridged Ethernet and USB port
- Enhanced bi-directional performance maximizes data throughput
- Rugged electronic components for long-term reliability
- Software upgradeable by network download
- Remote manageability using SNMP V1/V2 and V3
- CD-ROM containing user's guide and USB driver installation software

¹ SA Channel Bonded cable modems must be used in conjunction with CMTSS that support Channel Bonding. When used with non-Channel Bonded CMTSS, Channel Bonded cable modems function as conventional EuroDOCSIS 2.0 cable modems.

Description, continued

WebWizard

The EPC2505 features WebWizard, a browser-based user interface. WebWizard is a powerful tool that facilitates installation and troubleshooting. WebWizard eliminates the need to load set-up software on the customer premises equipment (CPE). The EPC2505 also features front-panel LEDs to provide visual feedback of real-time data transmission and operational status.

Ordering Information

Contact your Sales Representative for product availability in your area.

Description Hardware Revision 1.0 (65/108 MHz Diplex Filter)	Part Number
EPC2505 Channel Bonded Cable Modem for international markets. Includes: • EuroDOCSIS 2.0, Hardware Revision 1.0 • 230-240 V AC / 50 Hz, 12 V DC / 1A wall-mount linear switching power supply with Euro-style connector • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers	4014309
EPC2505 Channel Bonded Cable Modem for international markets. Includes: • EuroDOCSIS 2.0, Hardware Revision 1.0 • Safety information (sheet) • No AC Power Supply • No USB 2.0 port • No USB cable • No Ethernet Cable • No CD-ROM • Custom Logo Korea	4018543

Replacement Components

AC Power Supplies	Part Number
<i>Linear, Class 2</i>	
230 V AC / 50 Hz, 12 V DC / 1A desk-top linear power supply with attached cord and CEE7/16 Euro plug power connector	4002193
230 V AC / 50 Hz, 12 V DC / 1A desk-top linear power supply with attached cord and BS-1363 style 3-pin power connector	4004768
<i>Switching Mode, Class 2</i>	
100-240 V AC / 50-60 Hz, 12 V DC / 1A desk-top universal switching mode power supply, Class II, C7 AC connector, 2 conductor (power cord not included, order power cord separately)	4009116
230-240 V AC / 50-60 Hz, 12 V DC / 1A wall-mount linear switching power supply with Euro-style connector	4015453

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

Cables	Part Number
Ethernet cable	740580
USB cable	740579

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



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