

Cisco Model DPC2505 Channel Bonded Cable Modem

Description

The Cisco® Model DPC2505 Channel Bonded Cable Modem (DPC2505) provides DOCSIS® 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 DOCSIS 2.0 technology.¹ The DPC2505 incorporates three bonded downstream channels to effectively triple the downstream throughput as compared to traditional single-channel DOCSIS cable modems.



The DPC2505 is DOCSIS 3.0 compatible, and operates in DOCSIS 3.0 networks. In addition, the DPC2505 is designed to meet DOCSIS 2.0 specifications and provides backward compatibility for operation in DOCSIS 1.1 and DOCSIS 1.0 networks.

The DPC2505 also features Dual Mode. This feature allows the service provider to deploy the DPC2505 in networks that use EuroDOCSIS™ 8 MHz downstream modulation.

WebWizard

The DPC2505 features WebWizard, a browser-based 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).

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
- 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 Vista, Windows XP, and Windows 2000
- Bridged Ethernet and USB port
- Front-panel LEDs provide visual feedback of real-time data transmission and operational status
- 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 guide and USB driver installation software

¹ 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 DOCSIS 2.0 cable modems.

DPC2505 Back Panel



Rear Panel Connections	
POWER	Connects the cable modem to the DC output of the AC power adapter
ETHERNET	GigE (Auto-negotiate with Auto-MDIX), RJ-45 Ethernet
RESET	Reset-to-Default button (Factory Reset)
USB	USB 2.0, USB Type 2
CABLE	Female "F" type connects to an active cable signal

Ordering Information

Contact your Sales Representative for product availability in your area.

Description	Part Number
Hardware Revision 1.0 (42/88 MHz Diplex Filter)	
North American Tuning Plan (NTSC-STD/NTSC-HRC)	
DPC2505 Channel Bonded Cable Modem for North American NTSC tuning plan. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0, Hardware Revision 1.0 • 100-120 V AC / 50-60 Hz / 12 V DC linear-switching desktop style power supply with attached power cord for North America • Ethernet and USB cables • CD-ROM containing user guide and USB drivers North America	4014310
DPC2505 Channel Bonded Cable Modem with North American NTSC tuning plan. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0, Hardware Revision 1.0 • 220 V AC / 50 Hz, 12 V DC / 1 A desktop linear power supply with attached power cord for Argentina • Ethernet and USB cables • CD-ROM containing user guide and USB drivers Argentina	4015352

Description	Part Number
Hardware Revision 1.0 (42/88 MHz Diplex Filter)	
North American Tuning Plan (NTSC-STD/NTSC-HRC)	
DPC2505 Channel Bonded Cable Modem for North American NTSC tuning plan. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0, Hardware Revision 1.0 • 12 V DC / 1 A 220 V AC desktop linear power supply with attached power cord for Korea • Ethernet cable • No USB 2.0 port • No USB cable • No CD-ROM • Printed safety information sheet Korea	4021100
DPC2505 Channel Bonded Cable Modem for North American NTSC tuning plan. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0, Hardware Revision 1.0 • No AC power supply • No USB 2.0 port • No USB cable • No Ethernet cable • No CD-ROM • Printed safety information sheet • Non-standard front panel Korea–Special Configuration	4015353
North American Tuning Plan (NTSC-STD/NTSC-HRC)	
DPC2505 Channel Bonded Cable Modem with North American NTSC tuning plan. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0, Hardware Revision 1.0 • 230 V AC / 50 Hz / 12 V DC linear-switching wall-mount style power supply with attached power cord with 2-pin CEE7/16 Euro plug power connector • Ethernet and USB cables • CD-ROM containing user guide and USB drivers 	4017978
International Tuning Plan (PAL-I / PAL-G / NTSC-STD, 250 KHz resolution scan)	
DPC2505 Channel Bonded Cable Modem with International tuning plan. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0, Hardware Revision 1.0 • 230 V AC / 50 Hz / 12 V DC linear-switching wall-mount style power supply with attached power cord with 2-pin CEE7/16 Euro plug power connector • Ethernet and USB cables • CD-ROM containing user guide and USB drivers 	4015354

Description Hardware Revision 1.0 (55/88 MHz Diplex Filter)	Part Number
Japanese Tuning Plan (NTSC-Japan/NTSC-STD)	
DPC2505 Channel Bonded Cable Modem for Japanese NTSC tuning plan. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0, Hardware Revision 1.01 • 55/88 MHz Diplex Filter • 100-120 V AC / 12 V DC wall-mount linear-switching power supply, importer specific • One (1) Gigabit Ethernet (GigE) port • No USB port • No USB cable • Ethernet cable, 2 meters • Generic paper user guide, Japanese Japan-Importer specific configuration #1	4015355
DPC2505 Channel Bonded Cable Modem with Japanese NTSC tuning plan. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0, Hardware Revision 1.01 • 55/88 MHz Diplex Filter • 100-120 V AC / 12 V DC wall-mount linear switching mode power supply, importer specific • One (1) Gigabit Ethernet (GigE) port • No USB port • No USB cable • Ethernet cable, 2 meters • Generic paper user guide, Japanese Japan-Importer specific configuration #2	4019914

Replacement Components

AC Power Supplies	Part Number
<i>Linear, Class 2</i>	
120 V AC / 60 Hz, 12 V DC / 1 A desktop linear power supply for Latin America (<i>not for use in the United States</i>)	749826
220 V AC / 60 Hz, 12 V DC / 1 A desktop linear power supply with attached cord and power connector for Korea	4004222
220 V AC / 50 Hz, 12 V DC / 1 A desktop linear power supply with attached cord and power connector for Argentina	4012871
<i>Switching Mode, Class 2</i>	
100-240 V AC / 50-60 Hz, 12 V DC / 1 A desktop universal switching mode power supply, Class II, C7 AC connector, 2 conductor (power cord not included, order power cord separately)	4021485

AC Power Supplies	Part Number
<i>High Efficiency Linear Switching, Class 2</i>	
100-120 V AC / 50-60 Hz, 12 V DC /1 A linear switching desktop-style power supply for North America	4018777
100-120 V AC / 50-60 Hz, 12 V DC /1 A wall-mount linear switching power supply for North America and Japan (Japanese importer #1)	4015452
100-120 V AC / 50-60 Hz, 12 V DC / 1 A wall-mount linear switching power supply for North American and Japan (Japanese importer #2)	4020509
220 V AC / 50-60 Hz, 12 V DC /1 A wall-mount linear switching power supply for Argentina	4015457
220 V AC / 50-60 Hz, 12 V DC /1 A wall-mount linear switching power supply for Korea	4015458
230-240 V AC / 50-60 Hz, 12 V DC /1 A 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, standard 1.2 meter length	740580
Ethernet cable, 2 meters	4018790
USB cable	740579
User Guide and USB Drivers	Part Number
CD-ROM with user guide and USB drivers	4001911
User guide, paper, Japanese	7011576



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