

## Subscriber Networks

# Model DPC2100™ Cable Modem

## Description

The DPC2100™ Cable Modem (DPC2100) provides DOCSIS® broadband network operators with a cost-effective solution for delivering standards-based, high-speed data services to their subscribers.

The DPC2100 is designed to meet DOCSIS 2.0 specifications as well as offering backward compatibility for operation in DOCSIS 1.1 and DOCSIS 1.0 networks.

The DPC2100 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 DPC2100 also features five front-panel LED status indicators that provide visual feedback of real-time data transmission and operational status.



## Cable Modem Access Protection

The DPC2100 features Cable Modem Access Protection. When enabled, this feature blocks network side access to the CPE. This software-based "standby switch" provides the user with the ability to disable the Ethernet and USB data communications when their computers are not in use, which reduces the risk of unauthorized "hacking" into the CPE. This quick and simple "off" mechanism is used instead of physically disconnecting cables.

## Features

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

- Designed to meet DOCSIS 2.0 specifications
- Backward compatible with existing DOCSIS 1.1 and 1.0 networks
- Attractive 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)
- 10/100BaseT Ethernet port with Auto negotiate and Auto-MDIX
- USB 1.1 data port, USB drivers for Microsoft Windows XP, 2000, ME, and 98 Second Edition (SE)
- Bridged Ethernet and USB port
- Enhanced bi-directional performance maximizes data throughput
- Rugged electronic components for long-term reliability
- Remote manageability using SNMP V1/V2 and V3
- Software upgradeable by network download
- CD-ROM containing user's guide and USB driver installation software

## Ordering Information

Contact your Sales Representative for product availability in your area.

DPC2100 Hardware Revision 2.1 Description	Part Number
DPC2100 Cable Modem for North American NTSC systems. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 120 V AC / 60 Hz In-line power supply with attached power cord</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul> <i>Standard part number for North America</i>	4012460
DPC2100 Cable Modem for North American NTSC systems. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 100-120 V AC / 50-60 Hz Plug-in high efficiency linear-switching power supply</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul> <i>North America</i>	4018546
DPC2100 Cable Modem with International tuning plan. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 230 V AC / 50 Hz In-line power supply with attached power cord with 2-pin connector for continental Europe</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul>	4013700
DPC2100 Cable Modem with International tuning plan. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 230 V AC / 50 Plug-in high efficiency linear-switching power supply with Euro-style 2-pin connector for continental Europe</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul>	4017977
DPC2100 Cable Modem with International tuning plan. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 120 V AC / 60 Hz In-line power supply with attached power cord</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul>	4013701

# Model DPC2100 Cable Modem

## Ordering Information, continued

DPC2100 Hardware Revision 2.1, continued Description	Part Number
DPC2100 Cable Modem with International tuning plan. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 100-240 V AC / 50-60 Hz, 12 V DC / 1A In-line switching mode power supply (order power cord separately)</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul>	4013702
DPC2100 Cable Modem with International tuning plan. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 230 V AC / 50 Hz, 12 V DC / 1A In-line linear power supply with attached cord and BS-1363 style 3-pin United Kingdom style power connector</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul> <i>Etisalat configuration</i>	4013703
DPC2100 Cable Modem for North American NTSC systems. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 100-240 V AC / 50-60 Hz, 12 V DC / 1A In-line switching mode power supply (order power cord separately)</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul>	4013706
DPC2100 Cable Modem for North American NTSC systems. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 120 V AC / 60 Hz In-line power supply with attached power cord</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul> <i>Comcast configuration</i>	4013709
DPC2100 Cable Modem with International tuning plan. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 220 V AC / 50 Hz, 12 V DC / 1A In-line linear power supply with attached power cord for Argentina</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul> <i>Cablevision Argentina configuration</i>	4013710
DPC2100 Cable Modem with International tuning plan. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 220 V AC / 50 Hz, 12 V DC / 1A In-line linear power supply with attached power cord for Argentina</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul> <i>Argentina configuration</i>	4013711

# Model DPC2100 Cable Modem

## Ordering Information, continued

DPC2100 Hardware Revision 2.1, continued Description	Part Number
DPC2100 Cable Modem for Korean NTSC systems. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• 220 V AC / 60 Hz, 12 V DC / 1A In-line power supply with attached power cord for Korea</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul>	4013730
DPC2100 Cable Modem for Korean NTSC systems. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• No AC power supply</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul> <i>CoreComm/Powercomm configuration</i>	4013729
DPC2100 Cable Modem for Korean NTSC systems. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.1</li> <li>• Ethernet cable</li> <li>• Power supply not included</li> <li>• USB cable not included</li> <li>• CD-ROM containing user's guide and USB drivers not included</li> </ul> <i>Hanaro configuration</i>	4018775

DPC2100 Hardware Revision 2.11 Description	Part Number
DPC2100 Cable Modem for Japan NTSC systems. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.11 with 5 MHz to 55 MHz / 88 MHz to 860 MHz diplexer</li> <li>• 100-120 V AC / 50-60 Hz, 12 V DC / 1A Plug-in switching power supply for Japan</li> <li>• No USB Port</li> <li>• Ethernet cable</li> <li>• Printed Japanese user's guide (Does not include CD-ROM)</li> </ul> <i>ICS configuration</i>	4013704
DPC2100 Cable Modem for Japan NTSC systems. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.11 with 5 MHz to 55 MHz / 88 MHz to 860 MHz diplexer</li> <li>• 100-120 V AC / 50-60 Hz, 12 V DC / 1A Plug-in switching power supply for Japan</li> <li>• No USB Port</li> <li>• Ethernet cable</li> <li>• Printed Japanese user's guide (Does not include CD-ROM)</li> </ul> <i>NOS configuration</i>	4019913

# Model DPC2100 Cable Modem

## Ordering Information, continued

DPC2100 Hardware Revision 2.11, continued Description	Part Number
DPC2100 Cable Modem PCB Assembly <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.11 with 5 MHz to 55 MHz / 88 MHz to 860 MHz diplexer</li> <li>• Modem PCB only, no USB port, no LEDs, PCB pins replace connectors for Ethernet and DC powering</li> <li>• No user's guide (Does not include CD-ROM)</li> </ul> <i>KDDI configuration</i>	4013705
DPC2100 Cable Modem for North American NTSC systems. Includes: <ul style="list-style-type: none"> <li>• DOCSIS 2.0, Hardware Revision 2.11 with 5 MHz to 55 MHz / 88 MHz to 860 MHz diplexer</li> <li>• 220 V AC / 60 Hz, 12 V DC / 1A In-line power supply with attached power cord for Korea</li> <li>• Ethernet and USB cables</li> <li>• CD-ROM containing user's guide and USB drivers</li> </ul> <i>Korean configuration</i>	4013728

## Replacement Parts

AC Power Supplies 12 V DC	Part Number
<i>12 V DC High Efficiency Linear-Switching, Class 2</i>	
100-120 V AC / 50-60 Hz, 12 V DC / 1A In-line linear-switching power supply with attached power cord and connector for North America and Japan	4018777
100-120 V AC / 50-60 Hz, 12 V DC / 1A Plug-in linear-switching power supply for North America and Japan	4015452
220 V AC / 50-60 Hz, 12 V DC / 1A Plug-in linear-switching power supply for Argentina	4015457
230 V AC / 50-60 Hz, 12 V DC / 1A Plug-in linear-switching power supply for Australia	4018797
230 V AC / 50-60 Hz, 12 V DC / 1A Plug-in linear-switching power supply with Euro-style connector	4015453
220 V AC / 50-60 Hz, 12 V DC / 1A Plug-in linear-switching power supply for Korea	4015458
230-240 V AC / 50-60 Hz, 12 V DC / 1A Plug-in linear-switching power supply with BS-1363 United Kingdom style 3-pin connector	4018794
<i>12 V DC Universal Switching Mode, Class 2</i>	
100-240 V AC / 50-60 Hz, 12 V DC / 1A In-line universal switching mode power supply, Class II, C7 AC connector, 2 conductor power cord (power cord not included, order power cord separately)	4009116
<i>12 V DC, Linear, Class 2</i>	
120 V AC / 60 Hz, 12 V DC / 1A In-line linear power supply with attached power cord and connector for North America	749826
220 V AC / 50 Hz, 12 V DC / 1A In-line linear power supply with attached power cord and connector for Argentina	4012871
220 V AC / 60 Hz, 12 V DC / 1A In-line linear power supply with attached power cord and connector for Korea	4004222
230 V AC / 50 Hz, 12 V DC / 1A In-line linear power supply with attached power cord and CEE7/16 Euro plug connector	4002193
230-240 V AC / 50 Hz, 12 V DC / 1A In-line linear power supply with attached power cord and BS-1363 United Kingdom style 3-pin connector	4004768

## Replacement Parts, continued

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 length, 48 inches long	740580
Ethernet cable, 2 meters long	4018790
USB cable	740579

Description	Part Number
CD-ROM with user's guide and USB drivers	4001911



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