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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.

WebWizard

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).

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.

- 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)
- Five front-panel LED status indicators that provide visual feedback of real-time data transmission and operational status
- 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

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DPC2100 Back Panel

Back Panel Connections	
12VDC	Connects the cable modem to the DC output of the AC power adapter
RESET	Reset-to-Default button (Factory Reset)
ETHERNET	Ethernet 10/100BaseT (Auto-sensing with Auto-MDIX): RJ-45 Ethernet
USB	USB: Type 2, 12 Mbps
CABLE	Connects to an active cable signal

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: • DOCSIS 2.0, Hardware Revision 2.1 • 120 V AC / 60 Hz desk-top power supply with attached power cord • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers	4012460
DPC2100 Cable Modem for North American NTSC systems. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 100-120 V AC / 50-60 Hz wall-mount high efficiency linear-switching power supply • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers	4018546
DPC2100 Cable Modem with International tuning plan. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 230 V AC / 50 Hz desk-top power supply with attached power cord with 2-pin connector for continental Europe • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers	4013700
DPC2100 Cable Modem with International tuning plan. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 230 V AC / 50 wall-mount high efficiency linear-switching power supply with Euro-style 2-pin connector for continental Europe • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers	4017977

Ordering Information, continued

DPC2100 Hardware Revision 2.1, continued Description	Part Number
DPC2100 Cable Modem with International tuning plan. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 120 V AC / 60 Hz desk-top power supply with attached power cord • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers	4013701
DPC2100 Cable Modem with International tuning plan. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 100-240 V AC / 50-60 Hz, 12 V DC / 1A desk-top switching mode power supply (order power cord separately) • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers	4013702
DPC2100 Cable Modem with International tuning plan. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 230 V AC / 50 Hz, 12 V DC / 1A desk-top linear power supply with attached cord and BS-1363 style 3-pin United Kingdom style power connector • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers *Customer specific configuration*	4013703
DPC2100 Cable Modem for North American NTSC systems. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 100-240 V AC / 50-60 Hz, 12 V DC / 1A desk-top switching regulated power supply (order power cord separately) • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers	4013706
DPC2100 Cable Modem for North American NTSC systems. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 120 V AC / 60 Hz desk-top power supply with attached power cord • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers *Customer specific configuration*	4013709
DPC2100 Cable Modem with International tuning plan. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 220 V AC / 50 Hz, 12 V DC / 1A desk-top linear power supply with attached power cord for Argentina • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers *Argentina–Customer specific configuration*	4013710
DPC2100 Cable Modem with International tuning plan. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 220 V AC / 50 Hz, 12 V DC / 1A desk-top linear power supply with attached power cord for Argentina • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers *Argentina*	4013711

Model DPC2100 Cable Modem

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Ordering Information, continued

DPC2100 Hardware Revision 2.1, continued Description	Part Number
DPC2100 Cable Modem for Korean NTSC systems. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • 220 V AC / 60 Hz, 12 V DC / 1A desk-top power supply with attached power cord for Korea • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers	4013730
DPC2100 Cable Modem for Korean NTSC systems. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • AC power supply not included • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers *Korea–Customer specific configuration*	4013729
DPC2100 Cable Modem for Korean NTSC systems. Includes: • DOCSIS 2.0, Hardware Revision 2.1 • Ethernet cable • AC power supply not included • USB cable not included • CD-ROM containing user's guide and USB drivers not included *Korea–Customer specific configuration*	4018775

DPC2100 Hardware Revision 2.11 Description	Part Number
DPC2100 Cable Modem for Japan NTSC systems. Includes: • DOCSIS 2.0, Hardware Revision 2.11 with 5 MHz to 55 MHz / 88 MHz to 860 MHz diplexer • 100-120 V AC / 50-60 Hz, 12 V DC / 1A wall-mount switching power supply for Japan • No USB Port • Ethernet cable, 2 meters • Printed Japanese user's guide (Does not include CD-ROM) *Japan–Distributor configuration*	4013704
DPC2100 Cable Modem for Japan NTSC systems. Includes: • DOCSIS 2.0, Hardware Revision 2.11 with 5 MHz to 55 MHz / 88 MHz to 860 MHz diplexer • 100-120 V AC / 50-60 Hz, 12 V DC / 1A wall-mount switching power supply for Japan • No USB Port • Ethernet cable, 2 meters • Printed Japanese user's guide (Does not include CD-ROM) *Japan–Distributor configuration*	4019913

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Ordering Information, continued

DPC2100 Hardware Revision 2.11, continued Description	Part Number
DPC2100 Cable Modem for Japan NTSC systems. Includes: • DOCSIS 2.0, Hardware Revision 2.11with 5-55 MHz / 88-860 MHz diplexer • 100-120 VAC / 50-60 Hz, 12 VDC / 1A wall-mount switching power supply for Japan • AC extension cord, 40 cm • No USB port • Ethernet cable not included • Printed Japanese user's guide (Does not include CD-ROM) *Japan–Customer specific distributor configuration*	4021099
DPC2100 Cable Modem PCB Assembly • DOCSIS 2.0, Hardware Revision 2.11 with 5 MHz to 55 MHz / 88 MHz to 860 MHz diplexer • Modem PCB only, no USB port, no LEDs, PCB pins replace connectors for Ethernet and DC powering • No user's guide (Does not include CD-ROM) *Japan–Customer specific configuration*	4013705
DPC2100 Cable Modem for North American NTSC systems. Includes: • DOCSIS 2.0, Hardware Revision 2.11 with 5 MHz to 55 MHz / 88 MHz to 860 MHz diplexer • 220 V AC / 60 Hz, 12 V DC / 1A desk-top power supply with attached power cord for Korea • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers *Korea*	4013728

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Replacement Parts

AC Power Supplies 12 V DC	Part Number
12 V DC High Efficiency Linear-Switching, Class 2	
100-120 V AC / 50-60 Hz, 12 V DC / 1A desk-top 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 wall-mount linear-switching power supply for North America and Japan (ICS importer marking)	4015452
100-120 VAC / 50-60 Hz, 12 VDC / 1A wall-mount linear-switching power supply for North America and Japan (NOS importer marking)	4020519
220 V AC / 50-60 Hz, 12 V DC / 1A wall-mount linear-switching power supply for Argentina	4015457
230 V AC / 50-60 Hz, 12 V DC /1A wall-mount linear-switching power supply for Australia	4018797
230 V AC / 50-60 Hz, 12 V DC /1A wall-mount linear-switching power supply with Euro-style connector	4015453
220 V AC / 50-60 Hz, 12 V DC / 1A wall-mount linear-switching power supply for Korea	4015458
230-240 V AC / 50-60 Hz, 12 V DC /1A wall-mount linear-switching power supply with BS-1363 United Kingdom style 3-pin connector	4018794
12 V DC Universal Switching Mode, Class 2	
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 (power cord not included, order power cord separately)	4009116
12 V DC, Linear, Class 2	
120 V AC / 60 Hz, 12 V DC / 1A desk-top linear power supply with attached power cord and connector for North America	749826
220 V AC / 50 Hz, 12 V DC / 1A desk-top linear power supply with attached power cord and connector for Argentina	4012871
220 V AC / 60 Hz, 12 V DC / 1A desk-top linear power supply with attached power cord and connector for Korea	4004222
230 V AC / 50 Hz, 12 V DC / 1A desk-top linear power supply with attached power cord and CEE7/16 Euro plug connector	4002193
230-240 V AC / 50 Hz, 12 V DC / 1A desk-top linear power supply with attached power cord and BS-1363 United Kingdom style 3-pin connector	4004768

Power Cords	Part Number
Class 2	
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
Power cord, Extension cord, 40 cm, Japan	4021337

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Replacement Parts, continued

Cables	Part Number
Ethernet cable, standard length, 48 inches	740580
Ethernet cable, 2 meters	4018790
USB cable	740579

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