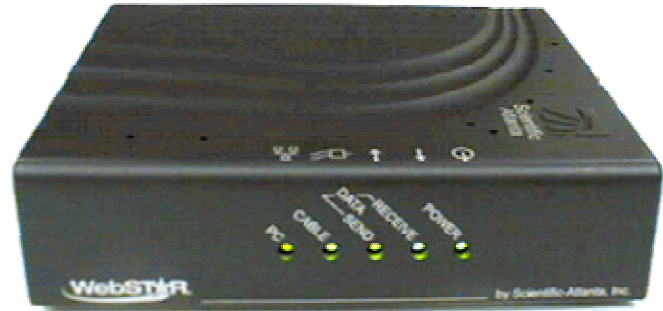


Model DPC2100™ WebSTAR™ Cable Modem

Description

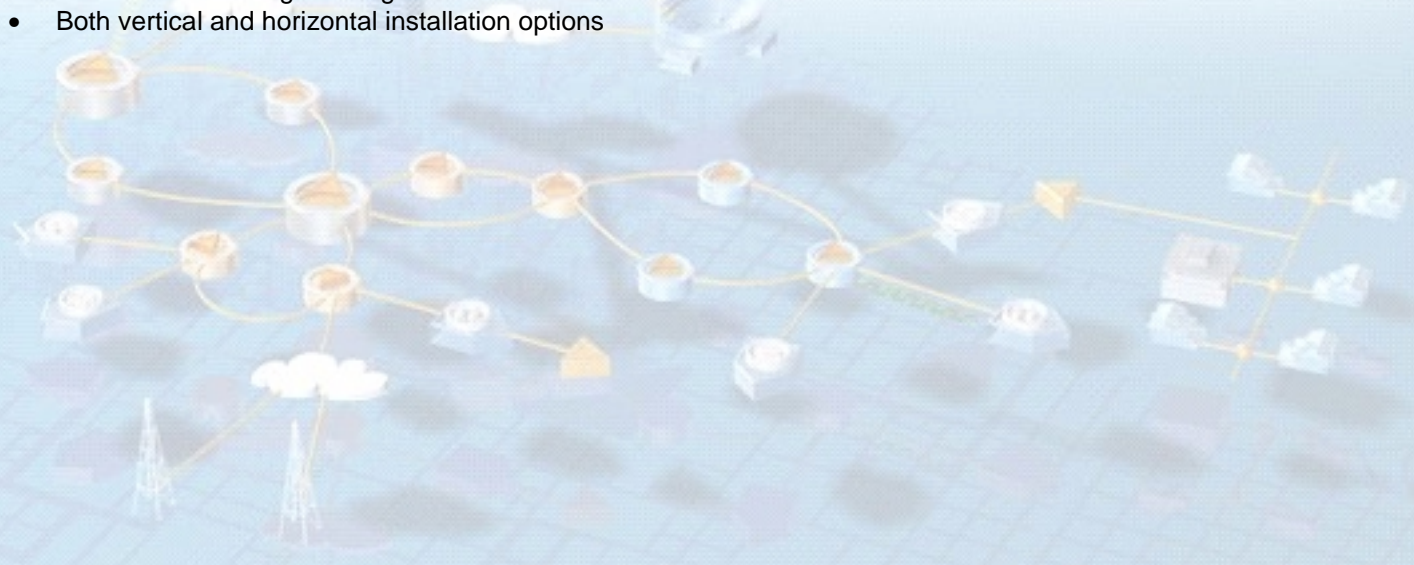
The DPC2100™ WebSTAR™ Cable Modem provides DOCSIS® broadband network operators with a cost-effective solution for delivering standards-based, high-speed data services to their subscribers.

The DPC2100 features WebWizard, a browser-based user interface. WebWizard is a powerful tool that facilitates installation and troubleshooting, and eliminates the need to load set-up software on the Customer Premises Equipment (CPE). The DPC2100 also features five front-panel LEDs that provide visual feedback of real-time data transmission and operational status.



Features

- DOCSIS 2.0 certified by CableLabs to meet interoperability and reliability standards for DOCSIS-compliant networks
- Backward compatible with existing DOCSIS 1.1 and 1.0 networks
- Bridged 10/100BaseT Ethernet port with Auto-MDIX and a USB port to facilitate quick connectivity to CPE for high-speed data service
- Enhanced bi-directional performance maximizes data throughput
- Rugged electronic components for long-term reliability
- Support for up to 64 users (1 USB port user and up to 63 users on user-supplied Ethernet hubs)
- USB drivers for Windows 98SE, ME, 2000, and XP
- Support for Broadcom's Propane packet header suppression for improved upstream data throughput
- Software upgradeable by network download
- Remote manageability using SNMP V1/V2 and V3
- CD-ROM containing user's guide and USB driver installation software
- Both vertical and horizontal installation options



Specifications

RF Downstream	
Frequency Range	88 MHz to 860 MHz
Demodulation	64 QAM or 256 QAM
Maximum Data Rate	30 Mbps for 64 QAM and 43 Mbps for 256 QAM
Bandwidth	6 MHz
Operating Level Range	-15 dBmV to +15 dBmV
Input Impedance	75 ohms
RF Upstream	
Frequency Range	5 MHz to 42 MHz
Modulation	16 QAM QPSK 64 QAM 128 QAM TCM
Maximum Data Rate	10.2 Mbps for 16 QAM 5.12 Mbps for QPSK 30.0 Mbps for A-TDMA and SCDMA
Bandwidth	200 kHz to 6.4 MHz
Operating Level Range	+8 dBmV to +58 dBmV +8 to +55 dBmV (8QAM, 16QAM) +8 to +54 dBmV (32QAM, 64QAM)
Output Impedance	75 ohms
Electrical	
Input Voltage	12 VDC
Power Consumption (modem module)	6 Watts
Data Ports	Ethernet 10/100BaseT (Auto-sensing with Auto-MDIX): RJ-45 Ethernet (1) USB: Type 2 (1)
RF	Female "F" type
Mechanical	
Dimensions (H x D x W)	5.25 in. x 4.00 in. x 1.5 in. (13.3 cm x 10.3 cm x 3.3 cm)
Weight (approximate)	9.0 oz (0.26 kg)
Operating Temperature	32°F to 104°F (0°C to 40°C)
Operating Humidity	0 to 90% RH non-condensing
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Standards Compliance	
DOCSIS 2.0	Certified
WHQL	Certified
Regulatory Compliance	
UL, CUL, FCC B, and CE	Certified as required per country where the DPC2100 will be used

Model DPC2100 WebSTAR Cable Modem



Ordering Information

Contact your Sales Representative for product availability in your area.

Description	Part Number
DPC2100 WebSTAR Cable Modem for North American NTSC systems. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0 • 110 VAC / 60 Hz In-line power supply with attached power cord • Ethernet and USB cables • CD-ROM containing user's guide and USB driver 	4004519
DPC2100 WebSTAR Cable Modem for United Kingdom. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0 • 230 VAC +/-15% / 50 Hz In-line power supply with attached power cord with 3-pin connector for the United Kingdom • Ethernet and USB cables • CD-ROM containing user's guide and USB driver 	4004520
DPC2100 WebSTAR Cable Modem for Europe. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0 • 230 VAC / 50 Hz In-line 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 driver 	4004521

Replacement Components	Part Number
110 VAC / 60 Hz, 12 VDC / 1A In-line linear power supply for North America	749826
100-240 VAC / 50-60 Hz, 12 VDC / 1A In-line universal power supply (order power cord separately)	749825
100 VAC / 50-60 Hz, 12 VDC / 1A In-line linear power supply for Japan	749937
230 VAC / 50 Hz, 12 VDC / 1A In-line linear power supply with 2-pin connector for continental Europe	4002193
230 VAC ±15% / 50Hz, 12 VDC / 1A In-line linear power supply with 3-pin connector for the United Kingdom	4004768
220 VAC / 60 Hz, 12 VDC / 1A In-line linear power supply with 2-pin style connector for Korea	4004222
Ethernet cable	740580
USB cable	740579
CD-ROM with user's guide and USB drivers	749995



Ordering Information (continued)

Universal In-Line Power Supply Cords	Part Number
North America, Caribbean, Philippines, Mexico and some areas of South America	740338
Africa, Hong Kong, Ireland, and United Kingdom	740339
Europe, Middle East, Asia, and some areas of Africa and South America	740562
Australia, New Zealand, Fiji and mainland China	740563
Argentina	4003938
Chile	4003340
Korea	745160
Japan	745161
China and Columbia	745415



Specifications and product availability are subject to change without notice.

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