



Description

The DPX2100™ 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 DPX2100 features WebWizard, a browser-based user interface. WebWizard is a powerful tool that facilitates installation and troubleshooting, and eliminates the need to load setup software on the Customer Premises Equipment (CPE). The DPX2100 also features four front-panel LEDs that provide visual feedback of real-time data transmission and operational status.

Features

- DOCSIS 1.0 and 2.0 certified by CableLabs to meet interoperability and reliability standards for DOCSIS-compliant 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 via SNMP V1/V2 and V3
- CD-ROM containing user guide and USB driver installation software
- Both vertical and horizontal installation options

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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: USB Slave (1) |
| RF | Female "F" type |
| Mechanical | |
| Dimensions (H x D x W) | 6.88 in. x 5.13 in. x 2.0 in. (17.1 cm x 13 cm x 5 cm) |
| Weight (approximate) | 12.8 oz (0.36 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 1.0 | Certified |
| DOCSIS 2.0 | Certified |
| WHQL | Certified |
| Regulatory Compliance | |
| UL, CUL, FCC B, and CE | Certified as required per country where the DPX2100 will be used |

Model DPX2100 WebSTAR Cable Modem



Ordering Information

Contact your Sales Representative for product availability in your area.

| Description | Part Number |
|---|-------------|
| DPX2100 WebSTAR Cable Modem for North American NTSC systems. Includes: <ul style="list-style-type: none"> • DOCSIS 1.0 • 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 | 4002998 |
| DPX2100 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 | 4001383 |
| DPX2100 WebSTAR Cable Modem for North American NTSC systems. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0 • 100-240 VAC / 50-60 Hz In-line universal power supply • Power cord (specify power cord required) • Ethernet and USB cables • CD-ROM containing user's guide and USB driver | 4002199 |
| DPX2100 WebSTAR Cable Modem for the United Kingdom. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0 Cable Modem • 230 VAC \pm15% / 50Hz, 12 VDC / 1A In-line linear power supply with 3-pin connector for the United Kingdom • Ethernet and USB cables • CD-ROM containing user's guide and USB driver | 4002201 |
| DPX2100 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 | 4002531 |
| DPX2100 WebSTAR Cable Modem for Japan. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0 • 100 VAC / 50-60 Hz, 12 VDC / 1A In-line linear power supply for Japan • Ethernet cable • Printed Japanese user's guide | 4002202 |
| DPX2100 WebSTAR Cable Modem for Japan. Includes: <ul style="list-style-type: none"> • DOCSIS 2.0 • 100 VAC / 50-60 Hz, 12 VDC / 1A In-line linear power supply for Japan • Printed Japanese user's guide | 4003849 |

Model DPX2100 WebSTAR Cable Modem



Ordering Information – CONTINUED

| 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 |
| 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 |



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