

WebSTAR™ EPR2320™ Cable Modem Gateway with 802.11g/b Wireless Access Point

Description

The WebSTAR™ EPR2320™ Cable Modem Gateway (EPR2320) combines a cable modem, router, and wireless access point in a single device to provide a cost-effective solution for both home and small office networking.

The EPR2320 has been designed to meet CableHome 1.0 specifications for EURO-DOCSIS® 2.0 networks. In addition, it is backward compatible with EURO-DOCSIS 1.1 and EURO-DOCSIS 1.0 networks. The "Dual Mode" feature of the EPR2320 also allows it to operate in DOCSIS networks with 8 MHz channel spacing.

Designed for the active digital home or office, the EPR2320 features fully integrated CableHome-ready Network Address Translation (NAT), a Dynamic Host Configuration Protocol (DHCP) server, parental control, and firewall technology. The EPR2320 has been designed to be software upgradeable to CableHome 1.1, when available.

The EPR2320 features dual antenna design. One antenna is an external detachable antenna and the other is internal to the housing. The two antennas work together to provide more uniform wireless coverage in the service area.

The housing of the EPR2320 incorporates a hide-away stabilizer that pivots out from the bottom base when standing the gateway on end, or it tucks neatly into the casing when the gateway is set horizontally on a desktop. Convenient, recessed cutouts on the bottom surface of the housing allow the EPR2320 to be mounted on the wall.



Lockdown Mode

The EPR2320 features a Lockdown Mode. If the Lockdown Mode is selected by the Network Administrator or installation technician and the user activates the "factory reset switch," the gateway resets only the cable modem settings and leaves the router settings as they were just prior to performing the reset. This feature eliminates unnecessary service calls and truck rolls that result from unauthorized or accidental reset of the gateway.

WebWizard

To facilitate setup and troubleshooting, the EPR2320 includes WebWizard, a browser-based graphical user interface. WebWizard also eliminates the need to load setup software on the CPE. In addition, the six LEDs on the front panel provide an informative and easy-to-understand display that indicates cable modem status along with visual feedback of real-time data transmission.

Features

- Designed to meet CableHome 1.0 and EURO-DOCSIS 2.0 specifications
- Integrated router featuring NAT, a DHCP server, and parental control technology
- Lockdown mode prevents unauthorized or accidental reset of gateway settings
- Configurable either locally or remotely through Web interface, config file, or SNMP protocols
- Includes CableHome, Residential Gateway (default), or Bridge modes of operation
- Provides 10/100BaseT auto-sensing with auto-MDIX Ethernet port and a USB 1.1 port

Model EPR2320 Cable Modem Gateway



Features, continued

- Includes 802.11g/b Wireless Access Point
- Utilizes attractive compact design to stand vertical or lie flat on the desktop, or mounts easily on the wall
- Simple setup with WebWizard graphical user interface

Specifications

Wireless Access Point	
Frequency Range	2.412~2.472 GHz, 13 Channels (Europe; CE/ETSI)
Modulation	DSSS (Direct Sequence Spread Spectrum)
Data Rate: 802.11g	54 Mbps with Auto Fall-Back
Security (North America)	RC4 with 64-bit and 128-bit WEP
Transmit Power (North America)	18 dBm (average)
Antenna System	One (1) external connectorized One (1) internal PCB

RF Downstream	
Frequency Range	88 MHz to 860 MHz
Demodulation	64 QAM or 256 QAM
Maximum Data Rate	41.4 Mbps (for 64 QAM) and 55.2 Mbps (for 256 QAM)
Bandwidth	8 MHz
Operating Level Range	43 to 73 dBuV for 64QAM 47 to 77 dBuV for 256 QAM
Input Impedance	75 ohms

RF Upstream	
Frequency Range	5 MHz to 65 MHz
Modulation	16 QAM QPSK 64 QAM ATDMA 128 QAM SCDMA
Maximum Data Rate	10.2 Mbps (for 16 QAM) 5.12 Mbps (for QPSK) 30.0 Mbps (for ATDMA or 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)	5.2 Watts
Data Ports	Ethernet 10/100BaseT (Auto-sensing with Auto-MDIX): RJ-45 Ethernet (1) USB 1.1: Type B (1)
RF	Female "F" type

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Specifications, continued

Mechanical	
Dimensions (H x D x W)	Not including "F" connector: 16.5 cm x 12.5 cm x 3.5 cm (6.625 in. x 5.0 in. x 1.375 in.) Including "F" connector: 16.5 cm x 14 cm x 3.5 cm (6.625 in. x 5.5 in. x 1.375 in.)
Weight (approximate)	0.34 kg (12 oz)
Operating Temperature	0° to 40°C (32°F to 104°F)
Operating Humidity	0-90% RH non-condensing
Storage Temperature	-20°C to 70°C (-4°F to 158°F)

Standards and Approvals	
Designed to comply with the following standards	CableHome 1.0 EURO-DOCSIS 2.0 IEEE 802.11g/b
Other Approvals	WHQL
Regulatory Approvals	Certified as required per country where the EPR2320 will be used



Ordering Information

Contact your Sales Representative for product availability in your area.

Part Number	Description
4003266	EPR2320 Cable Modem Gateway with 802.11g Wireless Access Point for Europe. Includes: <ul style="list-style-type: none"> • 230 VAC / 50 Hz, 12 VDC / 1A In-line linear power supply with attached power cord and CEE7/16 style 2-pin power connector • Ethernet and USB cables • CD ROM containing user's guide and USB driver

Replacement Components

Part Number	Description
4002193	230 VAC / 50 Hz, 12 VDC / 1A In-line linear power supply with attached power cord and CEE7/16 style 2-pin power connector for Europe
740580	Ethernet Cable
740579	USB Cable



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 1-800-722-2009 or 770-236-6900
www.scientificatlanta.com

Part Number 4004756 Rev A
 December 2003