Scientific Atlanta
A CISCO COMPANY

Subscriber Networks

Model EPC2434™ Wireless Home Gateway with Two-Line Embedded Media Terminal Adapter

Description

The Model EPC2434™ Wireless Home Gateway combines a cable modem, two-line Voice over Internet Protocol (VoIP) terminal adapter, router, and wireless access point in a single device to provide a cost-effective voice and networking solution for both the home and small office.

The EPC2434 is designed to meet EuroPacketCable™ 1.0 and EuroDOCSIS™ 2.0 specifications and is backward compatible with EuroDOCSIS 1.1 and EuroDOCSIS 1.0 networks. The EPC2434 also features Dual Mode. This feature allows the network operator to deploy the EPC2434 in networks that use DOCSIS® downstream technology.

The EPC2434 uses advanced line interface technology to provide multi-country toll-quality telephone service using existing in-home wiring. The EPC2434 supports full 5 REN phone loading on each phone line (10 REN total).

The EPC2434 provides two standard voice codecs: G711 and G728. Additional CODECs are available through software upgrades including high fidelity CODEC options for Toll Quality Plus service. Standard VoIP call signaling is compliant with EuroPacketCable's (MGCP/NCS) specifications. Software upgrades are also available to support Session Initiation Protocol (SIP) call signaling.

Designed for the active digital home or office, the EPC2434 features fully integrated CableHome®-ready Network Address Translation (NAT), a Dynamic Host Configuration Protocol (DHCP) server, parental control, and firewall technology.

Description continued next page

Features

- Designed to meet EuroDOCSIS 2.0, EuroPacketCable 1.0, and CableHome 1.1
- Integrated router featuring NAT, 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 protocol
- Includes CableHome, Residential Gateway (factory default), or Bridge modes of operation
- Provides a 10/100BaseT auto-sensing with auto-MDIX 4-port Ethernet switch and a USB 2.0 port
- USB Drivers for Microsoft Windows 2000 and Windows XP
- Includes 802.11g Wireless Access Point
- Utilizes attractive compact design to stand vertical or lie flat on the desktop, or mounts easily on the wall

Description, continued

The EPC2434 features dual-antenna design. One antenna is an external 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 space-saving design of the EPC2434 allows the unit to stand on end or sit horizontally on a desktop. Convenient, recessed cutouts on the bottom surface of the housing allow the EPC2434 to be mounted on the wall.

WebWizard

To facilitate setup and troubleshooting, the EPC2434 includes WebWizard—a browser-based graphical user interface. WebWizard also eliminates the need to load setup software on the customer premises equipment (CPE). In addition, the LED status indicators 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.

Ordering Information

Contact your Sales Representative for product availability in your area.

Description	Part Number
EPC2434 Wireless Home Gateway with 2-line EMTA. Includes: • International tuning plan • 230 V AC / 50 Hz, 15 V DC / 1A In-line linear power supply with attached cord and CEE7/16 Euro plug power connector • Ethernet and USB cables • CD-ROM containing user's guide and USB drivers	4013344

Replacement Components

AC Power Supplies	Part Number
Linear, Class 2, 15 V DC	
230 V AC / 50 Hz, 15 V DC / 1A In-line linear power supply with attached cord and CEE7/16 Euro plug power connector	4004855
230 V AC / 50 Hz, 15 V DC / 1A In-line linear power supply with attached cord and BS-1363 style 3-pin United Kingdom power connector	4006872
Switching Mode, Class 2, 15 V DC	
230-240 V AC / 50-60 Hz, 15 V DC /1A Plug-in linear switching power supply with Euro-style connector	4015455

Cables	Part Number
Ethernet cable	740580
USB cable	740579

User's Guide and USB Drivers	Part Number
CD-ROM with user's guide and USB drivers	4001911

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