

SMC8014WG-SI

EZ Connect™ Wireless Residential Cable Modem



OVERVIEW

The new SMC EZ Connect™ Wireless Cable Modem Gateway is a cable modem with RF Interface for the WAN, 1-port Ethernet for the LAN side and 802.11b/g wireless access point, bringing an all in one solution to the home. The Gateway has a DOCSIS 1.1/2.0 compliant cable modem to ensure interoperability with existing cable systems. It has improved hardware with 4MB flash ROM, 32MB of SDRAM with TurboDOX technology to increase downstream data transmission speeds up to 38Mbps; upstream to 30Mbps (64QAM). The SMC8014WG-SI also includes configurable firewall protection to block unwanted intrusions and offensive web content.

The SMC EZ Connect™ Wireless Cable Modem Gateway has an integrated firewall, including Stateful Packet Inspection (SPI) to provide a high level of security against hacker invasions, such as Denial of Service (DoS) attacks. The SPI firewall analyzes individual data packets as they pass through the gateway to ensure that only authorized data is allowed access to your network. Built in parental controls allow parents to decide what content is suitable for their family. In addition the SMC8014WG-SI supports other advanced features such as port forwarding, remote management, URL blocking, DMZ, and a built-in DHCP server.

For wireless connectivity, the SMC EZ Connect™ Gateway supports 802.11b/g communication at data rates of up to 54Mbps. To secure all wireless communication, the SMC8014WG-SI supports MAC address filtering, 64/128-bit WEP, WPA, and the option to disable SSID broadcast. It also has a fixed antenna for increased range and coverage. Setup is also made simple with an easy to use web interface for management and configuration changes. Remote management is supported via Telnet, CLI, and HTTP to manage the SMC8014WG-SI from anywhere with an internet connection. SMC8014WG-SI supports broadband applications such as telecommuting, IPconnectivity, high speed residential Internet access and Interactive multimedia services.

Combine these features with SMC's service and support and you have the ideal broadband access solution for your customers.

FEATURES	BENEFITS
Complies with DOCSIS 1.1/2.0, CableHome 1.1	Fully interoperable with all DOCSIS cable networks
Share your Cable connection across multiple computers	Allows a single cable connection to be used by multiple computers
Enjoy wireless freedom with built-in 802.11b/g	Wireless operation with support of up to 54Mbps
Configurable Parental Controls	The simple web interface empowers parents or administrators to limit access by date/time, keywords or site addresses
Advanced Firewall Protection	The SPI firewall can monitor and analyze all the information entering your network. It also provides a higher level of security that can protect your network from Denial of Service (DoS)
Modular user Interface	Allows the operator to customize the subscriber login
NAT-Network Address Translation	All inbound and outbound traffic happens on a single IP address
SNMP Support	All DOCSIS required MIBs are supported

COMPATIBILITY

- Platform independent - works with PC or Mac
- DOCSIS 2.0/Cable Home 1.1 compliant
- IEEE 802.3, 802.3u and 802.11b/g compliant

PORTS

- 1 10/100 BASE-TX RJ45 Autosensing
- 1 IEEE 802.11b/g
- Cable Interface F type female 75ohm

CABLE MODEM FEATURES

- DOCSIS 1.1/2.0 compliant
- Supports maximum DOCSIS transfer rates
- Independent resets for downstream and upstream blocks
- Fragmentation and concatenation enabling Quality of Service
- Supports 16 Service Identifiers (SIDs) in downstream
- Supports 64/128/ bit RC4 authentication and encryption
- Downstream:
 - Modulation: 64/256QAM auto detection
 - Frequency Range: 91-857 MHz
 - Maximum Data Rate:
 - 38Mbps (64QAM)
 - 43Mbps (256QAM)
 - Bandwidth: 6 MHz
 - Receive Power Levels:
 - -15dBmV to +15dBmV, 64QAM
 - Automatic Gain Controlled by CM
- Upstream:
 - Frequency Range: 5-42 MHz
 - Modulation: 64/128 QAM
 - TDMA: QPSK, 8/16/32/64 QAM
 - S-CDMA: QPSK, 8/16/32/64/128 QAM
 - Maximum Data Rate:
 - QPSK 0.32 ~ 5.12 Mbps
 - 16QAM 0.64 ~ 10.24 Mbps
 - Bandwidth:
 - TDMA: 200, 400, 800, 1600, 3200 & 6400 kHz
 - S-CDMA: 1600, 3200 and 6400 kHz
 - Transmit Power Levels:
 - TDMA:
 - +8 ~ +54dBmV(32QAM, 64QAM)
 - +8 ~ +55dBmV(8QAM, 16QAM)
 - +8 ~ +58dBmV(QPSK)
 - S-CDMA: +8 ~ +53dBmV(all modulation)

NETWORK PROTOCOL

- TCP/IP, UDP, ARP, ICMP
- TFTP, TOD, BOOTP, SYSLOG

NETWORKING

- IEEE 802.1d compliant bridging
- DHCP Client
- DHCP Server

SECURITY

- Password protected configuration access
- Stateful Packet Inspection (SPI) Firewall
- De-Militarized Zone (DMZ)
- Network Address Translation (NAT)
- Application Level Gateways (ALG)
- Intrusion Detection
- Denial of Service (DoS) prevention
- Domain Validation
- Multiple User Profiles
- Dynamic Address-User Mapping
- Web based authentication
- Comprehensive Logging
- Ethernet MAC Filtering

ENCRYPTION

- 64-bit/128-bit WEP

CERTIFICATION

- FCC Part 15B Class B
- FCC Part 68
- FCC Part 15C Class B
- CE Class B
- CSA International
- UL

LEDs

- Power, Cable, Ethernet, Wireless, Status

POWER

- 5V DC, 1.2A

POWER DISSIPATION (MAX)

- 7.5 Watts

WARRANTY

- Limited Warranty

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