



SMCWBR14-G 2.4GHz 54Mbps Wireless Cable/DSL Broadband Router



OVERVIEW

The Barricade™ g 2.4GHz 54Mbps Wireless Cable /DSL Broadband Router (SMCWBR14-G) is the perfect networking solution for the user that is looking for a simple, all-in-one home or small office network product.

This platform independent multi-functional router combines a 4-port 10/100 Mbps dual-speed switch with Automatic MDI-MDIX feature, and a high speed 54Mbps wireless access point with security features that include 802.1x for authentication, Wi-Fi Protected Access (WPA), MAC address filtering and 64/128-bit Wired Equivalent Privacy (WEP).

The SMCWBR14-G also includes a firewall with Stateful Packet Inspection, web-based network management and support for Virtual Private Network (VPN) pass-through for secure remote office connections.

Supporting NAT, the SMCWBR14-G can provide simultaneous Internet access for multiple PCs using a single purchased IP address. Finally, installation is made simple and straightforward with the EZ 3-Click Installation Wizard utility.

FEATURES	BENEFITS
Share your Cable/DSL connection	Ability to connect to cable/xDSL modem for instant internet access. Allows a single broadband Internet connection to be used by multiple computers. Share files, printers, and other devices on a network.
EZ 3-Click Installation Wizard	A new and improved way to install your Wireless Barricade. In 3 simple clicks, you will be connected to the Internet.
802.11g/ 802.11b compliant High Speed Wireless LAN connection	The new Barricade G offers a high data rate that is up to 5 times faster than the widely used 802.11b wireless LAN and is backward compatible with existing 802.11b network devices.
4-port 10/100 Mbps Auto MDI-MDIX switch and one detachable antenna	Multi-port auto-sensing switch for integration to your wired LAN with Auto MDI-MDIX support. No need for the use of crossover cable. One detachable antenna can be replaced with SMC high gain antennas for added performance and coverage.
Stateful Packet Inspection (SPI) Firewall	Robust Stateful Packet Inspection firewall provides a high level of security against Denial of Service (DoS) attacks. The SPI firewall analyzes each individual data packet as it passes through SMCBR14-G and ensures that only authorized packets can access the local network.
Access Control and URL Blocking	Access Control based on a predefined-scheduled time, IP address filtering, and Mac Address Filtering. Parental control to protect your family with URL blocking capability.
High Level of Security	Provides secure data transmissions across the network by using robust security features include 802.1x for authentication, Wi-Fi Protected Access (WPA), 64-bit/128-bit WEP encryption, disable SSID broadcast and MAC address filtering.



TECHNICAL SPECIFICATIONS

SMCWBR14-G

STANDARDS

- IEEE 802.3, IEEE 802.3u, IEEE 802.11b, IEEE 802.11g

WAN INTERFACE

- 10BASE-T/100BASE-TX

LAN INTERFACES

- 10BASE-T/100BASE-TX
- 4 RJ-45 ports

DATA RATES

- 1/2/5.5/6/9/11/12/18/24/36/48/54 Mbps
- Supports "Nitro Lite" turbo mode (data rate increase of up to 30%)

FREQUENCY BAND

- IEEE 802.11b/g Radio: 2.4 GHz
- USA - FCC 2412~2462MHz (Ch1~Ch11)
- Canada - IC2412~2462MHz (Ch1~Ch11)
- Europe - ETSI 2412~2472MHz (Ch1~Ch13)
- Japan - STD-T66/STD-332412~2484MHz (Ch1~Ch14)

MODULATION TYPE

- OFDM, CCK

OPERATING CHANNELS

- 11 channels (US, Canada)
- 13 channels (ETSI)
- 14 channels (Japan)

ANTENNA TYPE

- 1 Dipole antenna with RP-SMA connector

ANTENNA GAIN

- 1.43 dBi

SENSITIVITY MODULATION RATE

- Modulation Rate Receive Sensitivity Typical (dBm)

• 802.11b - 1Mbps -90	802.11g - 12Mbps -84
• 802.11b - 2Mbps -88	802.11g - 18Mbps -82
• 802.11b - 5.5Mbps -85	802.11g - 24Mbps -79
• 802.11b - 11Mbps -82	802.11g - 36Mbps -75
• 802.11g - 6Mbps -88	802.11g - 48Mbps -68
• 802.11g - 9Mbps -87	802.11g - 54Mbps -68

RF OUTPUT POWER

- Modulation Rate Output Power (dBm)

• 802.11b - 1Mbps 16	802.11g - 12Mbps 15
• 802.11b - 2Mbps 16	802.11g - 18Mbps 15
• 802.11b - 5.5Mbps 16	802.11g - 24Mbps 15
• 802.11b - 11Mbps 16	802.11g - 36Mbps 15
• 802.11g - 6Mbps 15	802.11g - 48Mbps 12
• 802.11g - 9Mbps 15	802.11g - 54Mbps 12

MANAGEMENT

- Web-based management

ADVANCED FEATURES

- Dynamic IP Address Configuration - DHCP, DNS
- Wireless Security - 64/128-bit WEP/WPA/TKIP/AES-CCM/AES-OCB/802.1x, SSID broadcast disabled, MAC address filtering
- Firewall - SPI, Access Control, Event Logging
- Virtual Server via NAT
- Virtual Private Network - PPTP, L2TP, IPSec pass-through
- Intrusion Detection, email Alerts, Parental Control
- Wireless Distribution System (WDS)
- DDNS, UPnP, Port Forwarding

INDICATOR PANEL

- Power, WLAN, WAN (Link, Activity), LAN (Link/Activity, Speed - 10/100 Mbps)

DIMENSIONS

- 155 x 130 x 26 mm
- 6.10 x 5.12 x 1.02 in

WEIGHT

- 410 g
- 14.46 oz

INPUT POWER

- 9 VDC, 1 A
- EU: DV-91AUP

POWER CONSUMPTION

- 5 Watts max. @ 100-240 VAC

INTERNET STANDARDS

- RFC 826 ARP, RFC 791 IP, RFC 792 ICMP, RFC 768 UDP, RFC 793 TCP, RFC 854-859 TELNET, RFC 1321 MD5, RFC 1497 BOOTP Extension, RFC 1570 PPP LCP Extension, RFC 1631 NAT, RFC1661 PPP, RFC 1700 Assigned Numbers, RFC 1866 HTML, RFC 1945 HTTP, RFC 1994 CHAP, RFC 2131 DHCP, RFC 2637 PPTP

TEMPERATURE

- Operating 0 to 40 °C
- 32 to 104 °F
- Storage -40 to 70 °C
- -40 to 158 °F

HUMIDITY

- 5% to 95% (non-condensing)

COMPLIANCES

- CE Mark

EMISSIONS

- FCC Class B
- VCCI Class B
- Industry Canada Class B
- EN55022 (CISPR 22) Class B
- C-Tick - AS/NZS 3548 (1995) Class B

IMMUNITY

- EN 61000-3-2/3
- EN 61000-4-2/3/4/5/6/8/11
- DGT LPO002: 2004

SAFETY

- CSA/NRTL(UL1950, CSA 22.2.950)
- GS (EN60950)
- CB (IEC60950)

Contact

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