



WIRELESS

SMCWGBR14-N
Barricade™ N ProMax Wireless 4-port Gigabit Broadband Router



OVERVIEW

The Barricade™ N ProMax Gigabit Broadband Router (SMCWGBR14-N) is the perfect all-in-one networking solution for connecting and sharing your high speed cable/xDSL internet connection. Designed for the home and office, this platform independent multi-functional router combines a 4-port 10/100/1000Mbps LAN switch, high speed Wireless-N (802.11n) access point, NAT firewall with Stateful Packet Inspection (SPI), Intelligent stream handling technology, a Multi-function print server and a User friendly web-based management interface in one convenient device.

The built-in wireless access point is Wi-Fi CERTIFIED™ for full compliance with the 802.11n standard, as well as the popular Wireless-G (802.11g) and Wireless-B (802.11b) standards. This next generation wireless networking standard utilizes advanced MIMO (Multiple-In, Multiple-Out) technology to deliver incredible speed and range. With wireless speeds up to 300Mbps and up to 11x the coverage, there is enough bandwidth to simultaneously stream video and audio, play online games, transfer large files, make VoIP calls and surf the Internet. With security being a key consideration, SMCWGBR14-N supports the latest WPA and WPA2 wireless encryption standards, which prevent unauthorized access to wireless networks and ensure data is secure. Wireless security can also be set up easily using Wi-Fi Protected Setup™ (WPS) that enables push button or PIN configuration. The 4-port 10/100/1000Mbps LAN switch is ideal for connecting Gigabit Ethernet

devices, such as Network Attached Storage (NAS), and transferring large files or streaming media content at up to gigabit speeds.

The integrated NAT firewall with SPI provides protection from hackers and Denial of Service attacks by analyzing individual data packets, to ensure that only authorized packets are allowed access to the network. Using the Access Control feature parents or network administrators can block certain websites, limit web access based on time or dates, and/or block internet access for applications like P2P utilities or games. Intelligent stream handling technology automatically manages and prioritizes the flow of time-sensitive data in your local network and going to the Internet, without the need for end user configuration. As a result time-sensitive applications like online gaming and video, run smoothly without lag and breakup problems. We've also included a USB2.0 multi-function print server which supports both printing and scanning*. The print server has been designed with ease-of-use at the forefront and can be setup in minutes using the printer installation wizard. Scanning and saving of documents is performed using a web-based interface so there is no need to install scanning software on each computer. Finally, configuration of your internet connection and advanced router functions is made simple and straightforward with the EZ™ Installation Wizard and intuitive web-based management interface.

| FEATURES | BENEFITS |
|--|--|
| Share your high speed cable/xDSL internet connection | Simply connect your cable or xDSL modem with Ethernet connection to the 10/100/1000Mbps WAN port for instant always on internet. |
| 4-port 10/100/1000Mbps Gigabit LAN switch with auto MDI-MDIX | Connect Gigabit Ethernet devices, such as Network Attached Storage (NAS), and transfer large files or stream media content at up to gigabit speeds. |
| Built-in Wireless-N (802.11n) access point | Delivers speeds up to 300Mbps and up to 11x the coverage. Perfect for streaming video and music, online gaming and networking multiple PC's. |
| NAT firewall with Stateful Packet Inspection (SPI) | Provides protection from hackers and Denial of Service attacks by analyzing individual data packets, to ensure that only authorized packets are allowed access to your network. |
| WPA/WPA2 Encryption | Prevents unauthorized access to your wireless network and insures your data is secure. |
| Wi-Fi Protected Setup™ (WPS) | Makes wireless security setup easy with push button and PIN configuration methods. |
| Intelligent stream handling technology | Automatically manages and prioritizes the flow of time-sensitive data in your local network and going to the Internet, without the need for end user configuration. As a result time-sensitive applications like online gaming, voice and video, run smoothly without lag and breakup. |
| USB2.0 Multi-function print server | Print and scan from any PC on your network* |
| Web-Based management interface | Simple and straightforward set-up with the intuitive web-based management interface and EZ™ Installation Wizard. |



TECHNICAL SPECIFICATIONS

SMCWGBR14-N

PHYSICAL

- One 10/100/1000Mbps WAN port
- 4-port 10/100/1000Mbps LAN switch
- Three 4dBi fixed antennas
- USB2.0 Multi-function Print Server
- WPS button
- WLAN On/Off slide switch
- Reset button

MANAGEMENT FEATURES

- EZ Installation Wizard
- Web based management interface (HTTP)
- Remote management

SECURITY FEATURES

- NAT Firewall with SPI
- Denial-of-Service protection
- Intrusion Detection System
- Access Control
- Web Filter
- DMZ Host
- IPSec, PPTP and L2TP VPN pass-through
- SSID Broadcast disable
- MAC address Filtering
- WEP 64-/128-Bit Encryption
- WPA-/WPA2-PSK (Pre Shared Key)
- WPA/WPA2 Enterprise mode (802.1x)

QUALITY-OF-SERVICE

- Intelligent Stream Handling Technology
- Wireless Intelligent Stream Handling Technology

MISCELLANEOUS

- UPnP IGD compliant
- WDS (Wireless Distribution System)**
- Virtual Server, Special Application rules, Gaming Rules
- System logging with selectable event levels and types
- Syslog server support

STANDARDS

- IEEE802.3 (10Base-T), IEEE802.3u (100Base-TX)
- IEEE802.11b, IEEE802.11g, IEEE802.11n

OPERATING FREQUENCY

- FCC: 2412~2462MHz (Ch1~Ch11)
- ETSI: 2412~2472MHz (Ch1~Ch13)

TYPICAL RF OUTPUT POWER

- 11n Mode: 14dBm
- 11g Mode: 15dBm
- 11b Mode : 18dBm

TEMPERATURE

- Operating: 0 degrees C to 40 degrees C
- Storage: -20 degrees C to 60 degrees C

HUMIDITY

- Operating: 10% to 85% Non-condensing
- Storage: 5% to 90% Non-condensing

DIMENSIONS

- 164 x 151 x 26 mm
- 6.46 x 5.94 x 1.02 in

WEIGHT

- 0.351Kg
- 0.77lbs

POWER INPUT

- 12V/1A

CERTIFICATIONS

- FCC
- CE

SYSTEM REQUIREMENTS

- Broadband (Cable/xDSL) Internet service and Modem with Ethernet connection.
- 2.4GHz 802.11n wireless adapter or 2.4GHz 802.11b/g wireless adapter installed on each PC. Alternatively an Ethernet adapter can be used.
- Internet Explorer 5.5 or above, Netscape 4.7 or above, Mozilla Firefox 1.0 or above
- We recommend using this product with the SMCWCB-N2, SMCWPCI-N2 and SMCWUSB-N/SMCWUSBS-N2 EZ Connect™ N wireless adapters

PACKAGE CONTENTS

- Barricade™ N Broadband Router (SMCWGBR14-N)
- Vertical Stand
- Power Supply
- RJ-45 Ethernet cable
- Documentation CD
- Quick Installation Guide
- Warranty Information Card

WARRANTY

- Limited Lifetime

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* Printing and scanning only supported with compatible printers. For a list of compatible printers go to: <<http://www.smc.com>>. Print Server is not supported with MAC OS

** WDS is only supported in 802.11g and 802.11b operating modes. Only WEP Encryption is supported over WDS links.

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