



**WIRELESS**

**SMCWBR14S-N2**  
Draft 11n Wireless 4-port Broadband Router



**OVERVIEW**

The Barricade™ N Draft 11n Broadband Router (SMCWBR14S-N2) is the perfect all-in-one networking solution for connecting and sharing your high speed cable/xDSL internet connection. Designed for the home, this platform independent multi-functional router combines a 4-port 10/100 LAN switch, High speed Wireless-N (draft 802.11n) access point, NAT firewall with Stateful Packet Inspection (SPI) and 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 draft v2.0 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 4x the coverage, the SMCWBR14S-N2 provides better performance than existing 802.11g technology. Upgrading to Wireless-N provides an excellent solution for sharing an Internet connection and files such

as video, music, photos, and documents. With security being a key consideration, SMCWBR14S-N2 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 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. 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 WAN port for instant always on internet.
4-port 10/100 LAN switch with auto MDI-MDIX	Directly connect four computers or expand your network by connecting additional switches. Auto MDI-MDIX means you do not need to worry about cross-over cables.
Built-in Wireless-N (draft 802.11n) access point	With wireless speeds up to 300Mbps and up to 4x the coverage, the SMCWBR14S-N2 provides better performance than existing 802.11g technology.
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.
Web-Based management interface	Simple and straightforward set-up with the intuitive web-based management interface and EZ™ Installation Wizard.



## TECHNICAL SPECIFICATIONS

## SMCWBR14S-N2

### PHYSICAL

- One 10/100Mbps WAN port
- 4-port 10/100Mbps LAN switch
- Two 2dBi fixed antennas
- WPS button
- 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)

### ROUTER FEATURES

- NAT (Network Address Translation) / PAT (Port Address Translation)
- ALG (Application Level Gateways)
- Virtual Server
- Virtual DMZ Host
- UPnP IGD compliant
- DHCP Server
- DNS Proxy/Relay
- Dynamic DNS (DynDNS.org and TZO.com)
- System log

### STANDARDS

- IEEE802.3 (10Base-T), IEEE802.3u (100Base-TX)
- IEEE802.11b, IEEE802.11g, IEEE802.11n draft v2.0

### OPERATING FREQUENCY

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

### TYPICAL RF OUTPUT POWER

- 11n Mode: 14dBm
- 11g Mode: 17dBm
- 11b Mode : 20dBm

### TEMPERATURE

- Operating: 0 degrees C to 40 degrees C
- Storage: -20 degrees C to 70 degrees C

### HUMIDITY

- Operating: 10% to 85% Non-condensing
- Storage: 5% to 95% Non-condensing

### DIMENSIONS

- 189 x 154 x 30 mm
- 7.4 x 6.06 x 1.18 in

### WEIGHT

- 0.285Kg
- 0.63 lbs

### POWER INPUT

- 9V/1A

### CERTIFICATIONS

- FCC
- CE

### SYSTEM REQUIREMENTS

- Broadband (Cable/xDSL) Internet service and Modem with Ethernet connection.
- 2.4GHz 802.11n draft 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 SMCWUSBS-N EZ Connect™ N wireless adapters

### PACKAGE CONTENTS

- Barricade™ N Broadband Router (SMCWBR14S-N2)
- Power Supply
- RJ-45 Ethernet cable
- Documentation CD
- Quick Installation Guide
- Warranty Information Card

### WARRANTY

- Limited Lifetime

\* The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance

\* The Wi-Fi Protected Setup Mark is a mark of the Wi-Fi Alliance

## CONTACT

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