

SMCWGBR14-N2

802.11n Wireless 4-Port Gigabit Broadband Router

Product Overview

The SMCWGBR14-N2 is a high-performance 802.11b/g/n wireless gateway with four Gigabit Ethernet switch ports, designed to provide a simple and cost-effective Internet access solution for both home and SOHO users.

With its IEEE 802.11b/g/n wireless LAN, 10/100/1000 Mbps Ethernet LAN ports, and Ethernet WAN interface, the SMCWGBR14-N2 provides flexible Internet connection options. The Ethernet WAN interface links the 802.11b/g/n wireless gateway to the Internet through any DSL or Cable modem, providing Internet access for users through its built-in 10/100/1000 Mbps Ethernet LAN or WLAN (wireless LAN) interfaces.



Key Features and Benefits

Data Storage Accessibility

Share USB storage with all users in the network. Plug in any USB hard drive to the SMCWGBR14-N2 and instantly create a file sharing and backup facility accessible through a user-friendly web browser interface.

High Level of Security

The SMCWGBR14-N2 features a Network Address Translation (NAT) Firewall with Stateful Packet Inspection (SPI) to protect internal hosts from hacker attacks.

Wi-Fi Protected Setup™ (WPS)

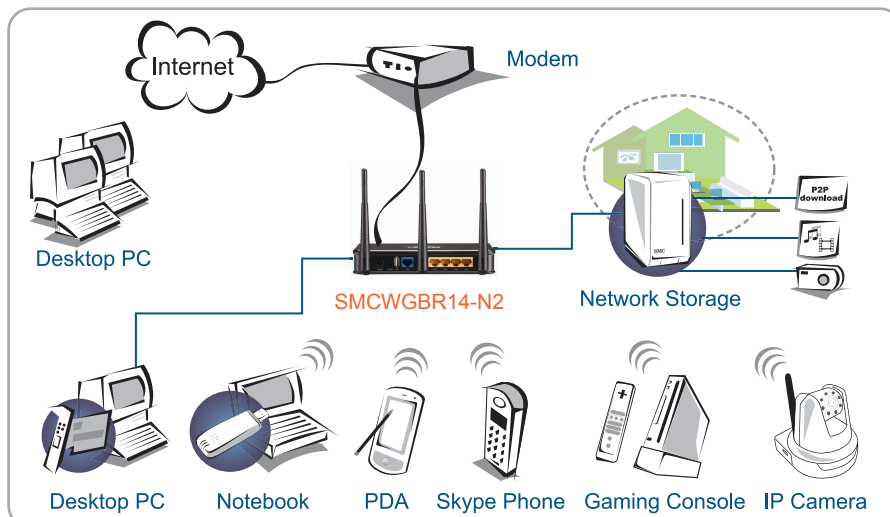
The SMCWGBR14-N2 includes comprehensive wireless security with WPA/WPA2 PSK and Enterprise support. WPS makes wireless security setup easy with both push-button and PIN-configuration methods, providing the ultimate convenience in one-touch secure connectivity.

High Performance

The SMCWGBR14-N2 provides high-speed 300 Mbps wireless connections and Gigabit-speed LAN ports, ideal for HD video streaming and other high-bandwidth applications.

Application Diagram

Solution



Features

Physical Interface

- One 10/100/1000 Mbps WAN port
- 4-port 10/100/1000 Mbps LAN switch
- Three external detachable antennas
- WPS button
- Reset button
- One USB port

Management Features

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

Security Features

- NAT firewall with SPI
- Access control
- MAC filter
- ALG management
- DMZ host
- SSID broadcast disable
- Wireless MAC address filtering
- WEP 64-/128-bit encryption
- WPA-/WPA2-PSK (Pre-Shared Key)
- Wi-Fi Protected Setup (WPS)

Router Features

- Share your high-speed cable/xDSL Internet connection
- 4-port 10/100/1000 LAN switch with auto MDI-MDIX
- Built-in Wireless-N access point
- Static route
- NAT with ALGs
- 802.11e WMM
- IGMP Proxy
- Multiple SSIDs (Up to 4)

Standards

- Wired:
 - IEEE 802.3 (10BASE-T),
 - IEEE 802.3u (100BASE-TX)
- Wireless:
 - IEEE 802.11b
 - IEEE 802.11g
 - IEEE 802.11n

Operating Frequency

- FCC: 2412~2462 MHz (Ch1~Ch11)
- ETSI: 2412~2472 MHz (Ch1~Ch13)
- Japan: 2412~2484 MHz (Ch1~Ch14)

Temperature

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

Humidity

- Operating: 10% - 90% RH, Non-condensing
- Storage: 5% - 90% RH, Non-condensing

Dimensions

- (L) 190 x (W) 144 x (H) 33 mm

Upgrade Method

- Web

Sensitivity

- 270M: -68 dBm @ 10% PER
- 130M: -68 dBm @ 10% PER
- 108M: -68 dBm @ 10% PER
- 54M: -68 dBm @ 10% PER
- 11M: -85 dBm @ 8% PER
- 6M: -88 dBm @ 10% PER
- 1M: -90 dBm @ 8% PER

Packaging Contents

- SMCWGBR14-N2
- AC Power Adapter
- Ethernet Cable
- Quick Install Guide
- EZ Installation Wizard & Documentation CD
- SMC Warranty Registration Card
- 3 x 3 dBi detachable Antenna

Weight

- Device: 324 g
- Antenna: 23 g

Power Requirement

- Input: 100 ~ 240 VAC, 50/60 Hz
- Output: 12 VDC, 1.5 A

Transmit Power

- 18dBm (max)

Certifications

- FCC Class B
- CE Mark
- RoHS compliant
- Wi-Fi Certified

Warranty

Please check www.smc.com for the warranty terms in your country/region.

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