

SMC7904WBRAS-N2 v2

4-Port ADSL2+ 11n 1x1 Wireless Router

Product Overview

The SMC7904WBRAS-N2 v2 is a three-in-one wireless ADSL2/2+ router designed for Internet connectivity. It includes an ADSL modem, four Ethernet ports, and an 802.11n high-speed wireless function. The SMC7904WBRAS-N2 v2 supports the most up-to-date ADSL2/2+ standards to provide the best DSL performance, with up to 24 Mbps* downstream and 2Mbps* upstream and a long-reach rate from your ISP's DSLAM site. Through its QoS and security features, the SMC7904WBRAS-N2 v2 can deliver high-quality video/audio streams without sacrificing security. The SMC7904WBRAS-N2 v2 is an ideal, cost-effective solution for ISPs and carriers with all its value services in one small box.

*ADSL speeds vary depending on individual contracts and services offered by ISPs, and distances from the ISP DSLAM.

Key Features and Benefits

Bridge/Router Mode

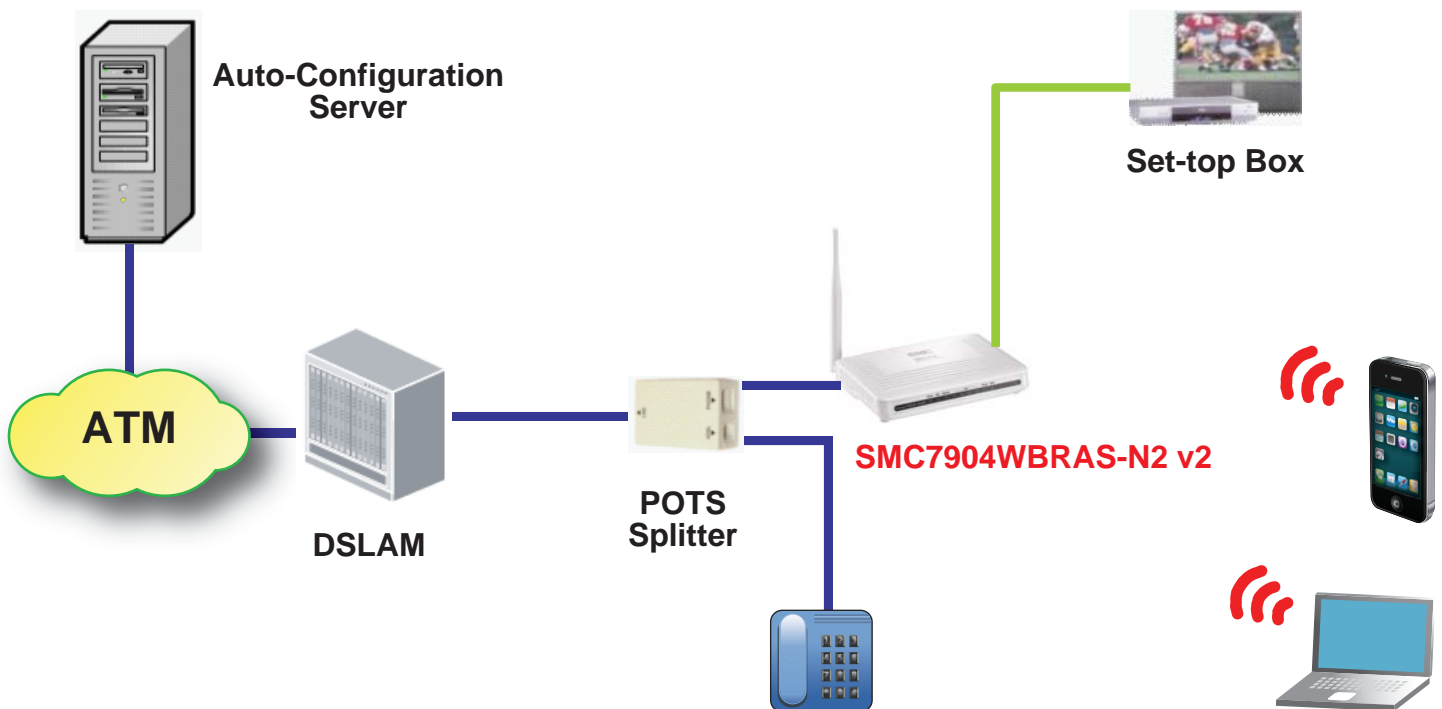
The SMC7904WBRAS-N2 v2 supports both Bridge and Router modes. This means that the SMC7904WBRAS-N2 v2 can be operated in a bridging, routing, or hybrid mode (bridging and routing simultaneously). This allows the SMC7904WBRAS-N2 to be operated within different ISP deployment plans.

802.11n 2.4GHz Wireless with 1x1 Antenna and Multi-SSIDs

The SMC7904WBRAS-N2 v2 Wi-Fi solution is compliant with 802.11n draft v2.0 specifications. As a Wi-Fi AP/Router, the SMC7904WBRAS-N2 v2 can achieve a 72.2 Mbps PHY rate using an 11n 1x1 antenna system. Multiple SSIDs are also supported, which enables the SMC7904WBRAS-N2 v2 to provide separate Wi-Fi networks for private and public use without sacrificing security.

Better User Experience

With IGMP Proxy and Snooping, users can enjoy HDTV with a smooth streaming experience. By leveraging this function, operators can increase the ARPU by providing a high-quality IPTV service to customers. In addition, the SMC7904WBRAS-N2 v2 supports a Parental Control feature to prevent children from accessing harmful websites.



Features

ADSL/ADSL2/ADSL2+ Mode

- ANSI T1.413 Issue 2 compliant
- ITU G.992.1 (G.DMT), ANNEX A compliant
- ITU G.992.2 (G.Lite), ANNEX A compliant
- ITU G.992.3 (ADSL2), ANNEX A, L, M compliant
- ITU G.992.5 (ADSL2+), ANNEX A, J, M compliant

ATM Protocols

- Supports up to 8 PVCs
- ATM Forum UNI3.1/4.0 PVC
- ATM classes: UBR, CBR, rt-VBR, nrt-VBR
- ATM AAL5 adaptation layer
- PPPoA
- IP over ATM
- OAM F4/F5 Loopback

Network

- VLAN
- SNTP
- DHCP Client/Server/Relay
- DNS, DDNS
- Static Route
- RIPv1/v2
- UPnP
- IGMP Proxy, IGMP Snooping

Security

- NAT/NAPT
- Firewall
 - SPI
 - Port Forwarding
 - IP/Port/MAC Filtering
 - Virtual DMZ
- Access/Service Control List
- VPN Passthrough: L2TP, PPTP, IPsec
- Date/Time Parental Control

Management/Configuration/Tools

- HTTP web management
- Telnet
- SNMP v1/v2c
- Configuration upload/download via HTTP
- Firmware upgrade via HTTP

Wireless Standard

- Compliant with IEEE 802.11n version 2 draft
- Operating frequency: 2.4-2.5GHz
- Operating channels: 11 channels (US, Canada), 14 channels (Japan)
- 802.11n Data Rates: 150, 135, 121.5, 108, 81, 54, 40.5, 27, 13.5 Mbps (HT-40)
- 802.11n Data Rates: 72.2, 65, 57.8, 43.3, 28.9, 21.7, 14.4, 7.2 Mbps (HT-20)
- 802.11g Data Rates: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps
- 802.11b Data Rates: 1, 2, 5.5, 11 Mbps

Wireless Security

- WEP
- WPA/WPA2-PSK
- IEEE 802.1X
- WPS – PIN
- WMM QoS
- Wireless MAC Filtering
- WDS
- Multiple SSIDs

Ordering Information

System Requirements

- Broadband (DSL) Internet service
- Ethernet adapter and cable for each computer Windows® 98SE, Me, NT, 2000, XP, Vista, Windows 7 or other operating systems running a TCP/IP network
- Internet Explorer 5.0 or higher, Netscape 4.0 or higher, Mozilla firefox 1.5 or higher

Physical Ports

- WAN: 1 RJ-11 DSL port
- LAN: 4 Fast Ethernet ports
- WLAN Button: 1
- WPS Button: 1
- Reset Button: 1
- Power On/Off: 1
- Power: 1 DC-in jack
- Wi-Fi Antenna: 1 detachable, 5dBi

Mechanical

- Dimensions (H x W x D): 182 mm x 120 mm x 22.4 mm
- Weight: 280 g (0.62 lbs)

Power

- AC Input: 100~240V
- DC Output: 12V/0.8A

Regulatory Compliance

- CE Mark
- FCC Mark
- Wi-Fi Certificated

Environmental Specifications

- Temperature:
 - 0°C to 40°C/32°F to 104°F (standard operating)
 - 20°C to 70°C/ -4°F to 158°F (non-operation)
- Humidity: 5% to 95% (non-condensing)

Warranty

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

Contact

Worldwide Corporate and Sales Headquarters
No. 1 Creation Road III,
Hsinchu Science Park,
30077, Taiwan, R.O.C.
Tel: +886 3 5770270 Fax: +886 3 5780764

Singapore
1 Coleman Street
#07-09, The Adelphi
Singapore 179803
Tel: 65-63387667 Fax: 65-63387767

Check www.smc-asia.com for your local country contact information.

Europe/Africa
C/Fructuos Gelabert 6-8 2º, 2ª,
Edificio Conata II,
08970 Sant Joan Despí
Barcelona - Spain
Phone: +34 93 477 4920

Check www.smc.com for your local country contact information.

©2012 SMC Networks. Barricade™ is a trademark of SMC Networks.

Other trademarks or registered trademarks are the property of their respective owners. Information is subject to change without notice. All rights reserved.

Product Description

- SMC7904WBRAS-N2 v2, 4 Ethernet Ports 802.11n 1x1 ADSL2+ Wireless Router
- Power Adapter
- User Manual (CD)
- Quick Installation Guide (Hardcopy)
- 1 RJ-11 Cable
- 1 RJ-45 Cable
- 1 Splitter