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 SMC7904WBRA-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
- IP over ATM
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**Security**
- NAT/NAPT
- Firewall
- SPI
- Port Forwarding
- IP/Port/MAC Filtering
- Virtual DMZ
- Access/Service Control List
- VPN Passthrough: L2TP, PPTP, IPSec
- Time/Date 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

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**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