**Product Overview**

The SMC7904WBRA-N2 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 SMC7904WBRA-N2 supports the most up-to-date ADSL2/2+ standards to provide the best DSL performance, with up to 24 Mbps* downstream and 2 Mbps* upstream and a long-reach rate from your ISP’s DSLAM site. Through its QoS and security features, the SMC7904WBRA-N2 can deliver high-quality video/audio streams without sacrificing security. The SMC7904WBRA-N2 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 SMC7904WBRA-N2 supports both a Bridge mode and Router mode. This means that the SMC7904WBRA-N2 can be operated within different ISP deployment plans.

**High Security**
The SMC7904WBRA-N2 provides NAT/NAPT and firewall features. The firewall in the SMC7904WBRA-N2 supports not only IP/Port/MAC filtering functions, but also Stateful Packet Inspection (SPI). Virtual DMZ is also supported for providing servers for Internet users without jeopardizing private LAN security. In addition, Day/Time Parent Control is also supported to prevent children from accessing harmful web sites.

**802.11n 2.4GHz Wireless with 2x2 MIMO and Multiple SSIDs**
The SMC7904WBRA-N2 Wi-Fi solution is compliant with 802.11n draft v2.0 specifications. As a Wi-Fi AP/router, the SMC7904WBRA-N2 can achieve a 300 Mbps PHY rate using 11n MIMO 2x2 antennas. Multiple SSIDs are also supported, which enable the SMC7904WBRA-N2 to provide separate Wi-Fi networks for private and public use, without sacrificing security.

**Easy Management**
The SMC7904WBRA-N2 is TR-069 compliant, which allows an ISP to monitor and provision the SMC7904WBRA-N2 remotely. It is able to automatically upgrade firmware and other configuration settings from the ISP. This minimizes on-site maintenance and operation costs dramatically for individual devices.
Features

ADSL/ADSL2/ADSL2+ Modes
- ANSI T.1413 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
- Support 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

Routing
- VLAN
- SNTP
- DHCP Client/Server/Relay
- DNS, DDNS
- Static Route
- PPPv1/v2
- UPnP

Security
- NAT/NAPT
- Firewall
- SPI
- Port Forwarding
- IP/Port/MAC Filtering
- Virtual DMZ
- Access/Service Control List
- VPN Pass-through: L2TP, PPTP, IPSec
- Date/Time Parent Control

Management/Configuration/Tools
- Storage via USB port (Option)
- HTTP web management
- Telnet
- TR-069
- SNMP v1/v2c
- Configuration upload/download via HTTP
- Firmware upgrade via HTTP

Wireless Standards
- Compliant with IEEE 802.11n version 2 draft
- Operating Frequency: 2.4-2.5 GHz
- Wi-Fi MIMO: 2 x 2
- Operating Channel: 13 channels
- 802.11n Data Rates: 300, 270, 243, 216, 162, 108, 81, 54, 27 Mbps (40 MHz)
- 802.11g Data Rates: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- 802.11b Data Rates: 1, 2, 5.5, 11 Mbps

Wireless Features
- WEP
- WPA/WPA2-PSK
- IEEE 802.1X
- WPS – PIN
- WMM QoS
- Wireless MAC Filtering
- WDS
- Multiple SSIDs (Up to 4)

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: 2 detachable, 5dBi
- USB 2.0 Host: 1 (option)

Mechanical
- Dimensions (H x W x D): 18.2 cm x 11.2 cm x 2.4 cm
- White Box: Outside dimensions 25 cm x 20 cm x 7.1 cm
- Device Weight: 309 g

Power
- AC Input: 100~240V
- DC Output: 12V/1A

Regulatory Compliance
- CE Mark
- Wi-Fi Certified

Environmental Specifications
- Temperature:
  - 0°C ~ 40°C/32°F ~ 104°F (Standard Operating)
  - -20°C ~ 70°C/-4°F ~ 158°F (Non-operation)
- Humidity: 5% to 95% (Non-condensing)

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

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