The ADSL2+ Barricade™ g, SMC7904WBRA, is an all-in-one solution for connecting and sharing your ADSL Broadband connection in your home or office. This multifunctional Annex A ADSL2+ router combines a 2.4GHz 54Mbps 802.11g Wireless Access Point, 4 10/100Mbps RJ45 ports for connection to a PC or Network and an RJ11 WAN port that connects to your ADSL line. The four 10/100Mbps RJ45 ports can be connected to a network hub or switch to expand the number of people sharing your ADSL connection in your home or your office.

The SMC7904WBRA also have a built in DHCP server to make implementing and expanding your network simple and easy. These devices support Full-rate G.dmt, which give you download speeds of 24Mbps and upload speeds of 1Mbps. The Stateful Packet Inspection (SPI) Firewall feature on both models provides a high level of security for your network. These new devices are a complete ADSL solution for PC or MAC users. Graphical user interface software is provided for easy installation, configuration, and management. The LED display panel on the front of the routers show the Ethernet activity, ADSL and power status at-a-glance.

Features & Benefits

High Speed Internet Access

- With ADSL2+ technology, the SMC Barricade ADSL2+ provides enhanced data transmission speed, Up to 24Mbps for downstream and 1Mbps for upstream
- 2.4GHz 54Mbps Wireless Access Point support both IEEE 802.11g and 802.11b Standard

Versatility

- uPnP NAT Traversal allows Multi-player gaming, Peer-to-peer connections and Real-time communications.
- Built-in DDNS client enables SOHO users to reduce expenses by hosting web sites or ftp servers without paying for Static IP address.
- SNMP Support allows multiple branch offices or locations to be managed centrally or remotely.

Easy Setup

- Easily connect to Internet in minutes using Setup Wizard to select your preferred country and ISP service.
SMC7904WBRA
ADSL2+ BarricadeTM g 54Mbps Wireless 4-port Router with Built-in ADSL2+ Modem

SPECIFICATIONS

Physical Characteristics

SMC7904WBRA
• Four 10/100Mbps RJ45 Ports
• One ADSL RJ11
• Two external dipole antennas

ADSL/ATM Feature
• Supports DMT line modulation
• Supports ANSI T1.413 issue 2, ITU-T G.992.1 (G.dmt) and G.992.2 (G.lite)
• Supports ITU 992.3 ADSL2 (G.dmt.bis), 992.4 ADSL2 (G.lite.bis)
• Supports ADSL2+
• Up to 24Mbps downstream
• Up to 1Mbps upstream
• QAM F4/F5 support
• ATM DoS (CR/UBR)
• Supports up to 8 Multiple PVC
• Power Dying GASP support

Encapsulation Feature
• RFC1483, RFC2684, RFC1578 (Bridge & Routing Mode)
• RFC1577, Classical IP support
• RFC2364, PPPoA support (LLC &VC-MUX)
• RFC2516, PPPoE support

Management Feature
• Firmware upgrade via WEB Based Management
• WEB Based Management (configuration)
• Telnet support
• Power Indicators
• Event & History logging
• SNMP V1/V2 support

Security Feature
• Password protected configuration access
• User authentication (PAP/CHAP) with PPP
• SPI Firewall NAPT
• VPN pass through (IPsec-ESP Tunnel mode, L2TP, PPTP) LAN Feature

LAN Feature
• IEEE 802.1D (self learning transparent Bridging)
• DHCP Server
• DNS Proxy
• Static Routing, RIPv1 and RIPv2 Routing

Wireless RF module Frequency Band
• 802.11g Radio: 2.4GHz
• 802.11b Radio: 2.4GHz

Wireless Operating Channel
• 11 Channels (US,Canada)
• 13 Channels (Europe)
• 14 Channels (Japan)

Wireless Data Rates (With Automatic Fall-back)
• 802.11b: 1/2/5.5/11 Mbps
• 802.11g: 6/9/12/18/24/36/48/54 Mbps

Radio Signal Type:
• Direct Sequence Spread Spectrum (DSSS)
• Orthogonal Frequency Division Multiplexing (OFDM)

Wireless Data Modulation Techniques
• 802.11b (DSSS): DBPSK, DQPSK, CCK
• 802.11g (OFDM): BPSK, QPSK, 16-QAM, 64-QAM

Wireless Security
• 64/128-bit Wired Equivalent Privacy (WEP)
• Wi-Fi Protected Access (WPA-TKIP) with 802.1x or Pre-Shared Key Authentication

Wireless Transmission Power
• 16 dbm Max

Wireless Antenna Gain
• 2 dBi max

Application
• MSN Messenger, Netmeeting, ICQ, Real Player, QuickTime, DialPad

Operating Systems
• Windows 98SE, ME, 2000, XP, Linux, Mac OS8.5 and above

Dimension
• 220mm (W) x 133mm (L) x 25mm (H)

Weight
• Approx. 370g

Environmental
• Temperature: IEC 68-2-14
• Standard Operating: 0º C to 50º C
• Non-operation: -40º C to 70º C
• Humidity: 10%to 95% (Non-condensing)
• Vibration: IEC 68-2-36, IEC 68-2-6
• Shock: IEC 68-2-29
• Drop: IEC 68-2-32

Power
• 12V/1A

Standards Conformance Electromagnetic Compatibility
• CE
• ETSI
• R&TTE
• FCC part 15 class B & C
• FCC part 68

Warranty
• 3 Year

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SMC7904WBRA
2.4GHz 11/54Mbps Wireless Cardbus Adapter (SMC2835W)

54Mbps Wireless 4-port Router with Built-in ADSL2+ Modem (SMC7904WBRA)

Wireless Transmission Power
• 16 dbm Max

Wireless Antenna Gain
• 2 dBi max

Application
• MSN Messenger, Netmeeting, ICQ, Real Player, QuickTime, DialPad

Operating Systems
• Windows 98SE, ME, 2000, XP, Linux, Mac OS8.5 and above

Dimension
• 220mm (W) x 133mm (L) x 25mm (H)

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• Vibration: IEC 68-2-36, IEC 68-2-6
• Shock: IEC 68-2-29
• Drop: IEC 68-2-32

Power
• 12V/1A

Standards Conformance Electromagnetic Compatibility
• CE, ETSI, R&TTE, FCC part 15 class B & C, FCC part 68

Warranty
• 3 Year