

SMC7904WBRA

ADSL2 Barricade™g 4-port 54 Mbps Wireless Router with built-in Annex A ADSL2/2+ Modem



OVERVIEW

The ADSL2/2+ Barricade™g, SMC7904WBRA, is an all-in-one solution for connecting and sharing your ADSL2/2+ Broadband connection in your home or office. This multifunction Annex A ADSL2/2+ 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 ADSL2/2+ line. The four 10/100Mbps RJ45 ports can be connected to a network hub or switch to expand the number of people sharing your ADSL2/2+ connection in your home or your office.

The SMC7904WBRA also has a built in DHCP server to make implementing and expanding your network simple and easy. This device supports ADSL2+ G.dmt, which gives you download speeds up to 24Mbps and upload speeds up to 1Mbps. Its SPI based Firewall security provides a high level of security for your network. This new device is a complete ADSL2/2+ 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 product shows at-a-glance the Ethernet activity, ADSL2/2+ status and Power.

FEATURES	BENEFITS
High speed internet Access	The SMC Wireless ADSL2/2+ Barricade provides unrivaled asymmetric high-speed data transport over a single copper pair linking Branch Offices, Home Offices & Individual Subscribers to their Network Service Providers, including Internet Service Providers.
Flexibility and scalability	It brings together the best combination of ADSL2/2+ technology and the flexibility of Ethernet & Wireless Lan Networks. This flexibility provides maximum performance allowing multiple computers to share local resources, access the Internet simultaneously & keeps you always connected!
Easy Setup	The SMC Wireless ADSL2/2+ Barricade can be configured and managed locally and remotely via a Web-based configuration tool. Investments are protected through the support of popular DSL connection models such as PPP over Ethernet (PPPoE) bridging and routing. The ADSL2/2+ Barricade can even support PPP over ATM (PPPoA).
Security	The SMC Wireless ADSL2/2+ Barricade also provides extensive firewall with network VPN pass through (IPSec, PPTP & L2TP) capabilities for reduced cost of communications.

PORTS

- Four 10/100Mbps RJ45 Ports
- One ADSL RJ11
- Two external dipole antennas
- One reset button to reset system
- One power jack DC12V 1A

ADSL FEATURES

- Supports DMT line modulation
- Supports Annex A Full-Rate ADSL: up to 8Mbps downstream, up to 1Mbps upstream (G.992.1 & T1.413, Issue 2)
- Supports G.Lite ADSL: up to 1.5Mbps downstream, up to 512Kbps upstream
- Up to 600 meters increase and support 12 mbps for ADSL2 & 24 Mbps for ADSL2+
- Support G.992.1 G.dmt /G.992.2 G.lite/G.992.3 ADSL2/G.992.5 ADSL2+ line coding
- Dying GASP support

ATM FEATURES

- Service Class UBR, CBR or VBR selectable, CBR peak rate selectable.
- VPI/VCI selectable
- RFC1483 Encapsulation (IP, Bridging & encapsulated routing)
- PPP over ATM (LLC & VC multiplexing) (RFC2364)
- Classical IP (RFC1577)
- Traffic shaping (UBR, CBR, VBR)
- OAM F4/F5 support
- PPP over Ethernet Client

MANAGEMENT FEATURES

- Firmware upgrade via WEB Based Management
- WEB Based Management (configuration)
- Power Indicators
- Event & History logging
- Telnet, SNMP support
- Network Ping
- SNMP v.1/2 support
- TFTP

SECURITY FEATURES

- 64/128 bit WEP encryption supported
- WPA(Wi-Fi Protected Access), wireless protection supported
- 802.1x/WPA-PSK Authentications supported
- Mac Address Filtering control list for wireless devices
- Password protected configuration access
- User authentication (PAP/CHAP) with PPP
- Firewall with Stateful Packet Inspection and DoS protection
- VPN pass through (IPSec-ESP Tunnel mode, L2TP, PPTP)

LAN FEATURES

- IEEE 802.1d (self learning transparent Bridging)
- DHCP Server
- DNS Proxy / Relay
- Static Routing, RIP v.1 and RIP v.2

APPLICATION

- Netmeeting, ICQ, Real Player, QuickTime, DialPad, PC Anywhere,
- MSN messenger support

WIRELESS RF MODULE FREQUENCY BAND

- 802.11g Radio: 2.4GHz
- 802.11b Radio: 2.4GHz
- USA - FCC
 - 2412 ~ 2462MHz (Ch1~Ch11)
- Canada - IC
 - 2412 ~ 2462MHz (Ch1~Ch11)
- Europe - ETSI
- Japan - STD-T66/STD-33
 - 2412~2484MHz (Ch1~Ch14)

MODULATION TYPE

- OFDM, CCK

STANDARDS

- IEEE 802.3, 802.3u, 802.11g, 802.1D
- ITU G.dmt, G.lite
- ITU G.Handshake
- ANSI T1.413 Issue 2 - ADSL full rate
- ITU G.992.3 - ADSL2
- ITU G.992.5 - ADSL2+

COMPATIBILITY

- CE, ETSI, R&TTE, FCC part 15 class B & FCC part 68
- ETS 300 328, ETS 300 826

SAFETY

- CSA/NRTL (UL1950, CSA 22.2.950) GS (EN60950), CB (IEC60950)

INTERNET STANDARDS

- RFC 826 ARP
- RFC 791 IP
- RFC 792 ICMP
- RFC 768 UDP
- RFC 793 TCP
- RFC 783 TFTP
- RFC 1483 AAL5 Encapsulation
- RFC 1661 PPP
- RFC 1866 HTML
- RFC 2068 HTTP
- RFC 2364 PPP over ATM
- RFC 2516 PPPoE

OPERATING CHANNELS

- 802.11b compliant
 - 11 channels (US, Canada)
 - 13 channels (ETSI)
- 802.11g compliant
- b-mode Modulation Rate-Output Power (dBm)
 - 1Mbps 16 dBm
 - 2Mbps 16 dBm

- 5.5Mbps 16 dBm
- 11Mbps 16 dBm
- g-mode Modulation Rate-Output Power (dBm)
 - 6Mbps 15 dBm
 - 9Mbps 15 dBm
 - 12Mbps 15 dBm
 - 18Mbps 15 dBm
 - 24Mbps 15 dBm
 - 36Mbps 15 dBm
 - 48Mbps 15 dBm
 - 54Mbps 15 dBm
- b-mode Modulation Rate- Receiver Typical Sensitivity (dBm)
 - 1Mbps -90 dBm
 - 2Mbps -88 dBm
 - 5.5Mbps -85 dBm
 - 11Mbps -84 dBm
- g-mode Modulation Rate-Receiver Typical Sensitivity (dBm)
 - 6Mbps -88 dBm
 - 9Mbps -878 dBm
 - 12Mbps -84 dBm
 - 18Mbps -82 dBm
 - 24Mbps -79 dBm
 - 36Mbps -75 dBm
 - 48Mbps -68 dBm
 - 54Mbps -68 dBm

TEMPERATURE

- 0 to 50 degrees C (Maximum operating)
- -40 to 70 degree C (Non-operation)

HUMIDITY

- 10% to 90% (Non condensing)
- Vibration: IEC 68-2-36, IEC 68-2-6
- Shock: IEC 68-2-29
- Drop: IEC 68-2-32

DIMENSIONS

- 220 x 133 x 25 (mm) / 8.7 x 5.24 x 1 (in)

WEIGHT

- 370g / .82lbs

POWER INPUT

- 12V/1A

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