

SMC7901WBRA2

1-Port ADSL2/2+ Wireless Router

Product Overview

SMC7901WBRA2, is an ADSL2/2+ Ethernet / Wireless 802.11b/g AP router, provides cost-effective, high-speed data integration with wireless mobility. With SMC7901WBRA2, high-speed surfing becomes an enjoyable task with the most cost effective Wireless broadband access solution. SMC7901WBRA2 is fully compliant with ANSI T1.413 i2, ITU G.992.1, G.992.2, G.992.3, G.992.4, G.994.1 and G.992.5 specifications. This rate-adaptive solution is especially designed for Customer Premise Equipment that supports downstream data rates up to 24 Mbps and upstream data rates up to 2 Mbps.



Key Features and Benefits

Enhanced ADSL2/2+ Technology

Instant always on internet connectivity for wired & wireless computers. The built-in ADSL2/2+ modem gives unrivaled asymmetric high-speed data transport at up to 24Mbps downstream and 2Mbps upstream.

Dual SSID Radio

The SMC7901WBRA2 has got two SSID's; one for regular wireless clients, and the other designated usage. This ensures optimal performance and balanced usage for the Internet.

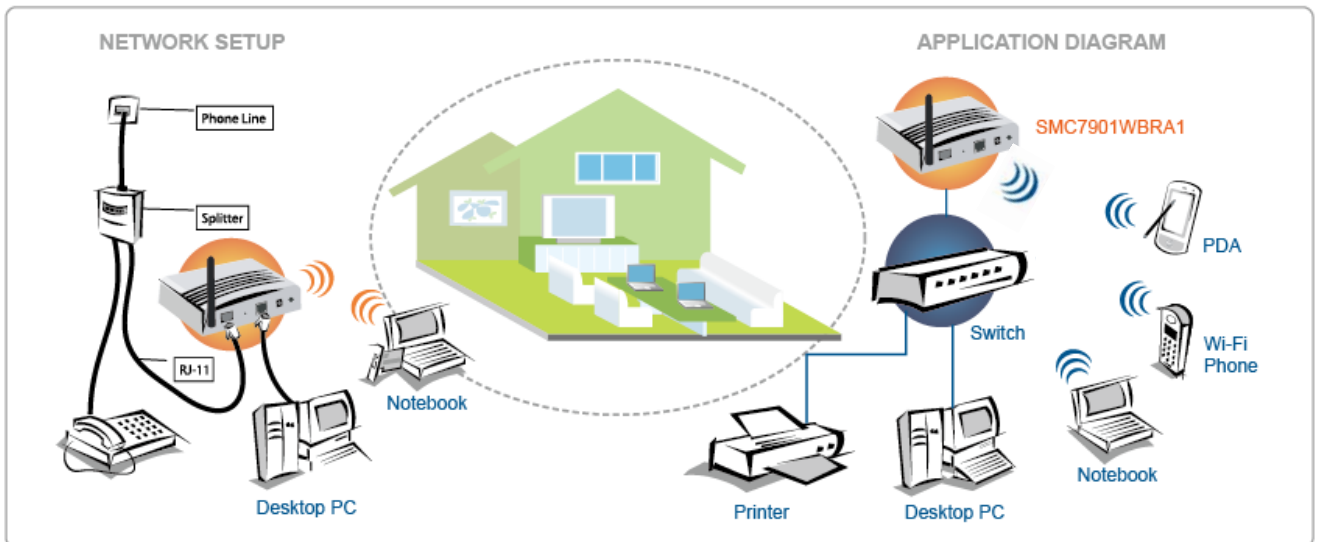
SPI Firewall Protection from Hackers

The NAT firewall with Stateful Packet Inspection (SPI), Intrusion Detection System & Denial-of-Service provides robust security from hackers while VPN pass-through allows secure connectivity to your office or corporate network. Access Control Lists with URL blocking allows you to control access to internet services & filter inappropriate web sites.

QoS

The SMC7901WBRA2 is optimized to prioritize real-time applications like voice & video. WMM (WiFi Multimedia) delivers Quality-of-Service to the wireless network, while IP QoS prioritizes outbound internet traffic.

Application Diagram



Features

HARDWARE

Physical Interface

- 1 RJ-11 ADSL Interface port (Annex A)
- 1 RJ-45 10/00 Base-Tx Ethernet port
- 1 Reset Button
- 1 DC Power input
- 1 Power On / Off Switch
- 1 Fixed Dipole Antenna (1.8dBi)

LED Indicators

- Power / WLAN / Ethernet / Data / Link

SOFTWARE

ADSL Compliance

ANSI T1.413 Issue 2

- G.992.1 (G.dmt) Annex A
- G.992.2 (G.lite) Annex A
- G.992.3 ADSL2 (G.dmt.bis) Annex A/J/K/L/M
- G.992.4 ADSL2 (G.lite.bis)
- G.992.5 ADSL2+ Annex A/M
- G.994.1 (G.hs)

ATM Features

- Support up to 8 ATM PVCs
- Supports ATM Forum UNI 3.1/4.0 PVC
- Supports UBR, CBR, and rt-VBR and nrt-VBR service classes
- Provides ATM layer functionality
- Support Traffic shaping (CBR, UBR, rt/nrt-VBR)
- Supports PPPoA (RFC2364)
- Supports MPoA functionality (RFC2684)
- Supports IP over ATM (IPoA)
- Support ATM cell format ITU -T I.361
- Supports OAM F4/F5 loopback

PPP Functions

- Point-to-Point Protocol (RFC1661)
- PPP over ATM (RFC2364)
- PPP over Ethernet (RFC2516)
- User Authentication
 - CHAP (RFC1994)
 - PAP (RFC1334)

Bridge Features

- Ethernet bridging
- Support Transparent Bridging
 - MAC address learning
 - MAC address filtering and protocol filtering for up-link

Routing Features

- RIP v1 / v2
- Static routing
- PPP / PPPoE (RFC 2516)
- NAT with ALGs
- NAPT
- IGMP v1 / v2
- IGMP Proxy / snooping
- IPv4
- IP pass through
- Virtual Server port forwarding

VLAN Support

- PVC/VLAN Ethernet Port Mapping
- 8 VLANs supported
- VLAN pass-through

Security

- Management Access Control for WAN
- User authentication for PPP (PAP / CHAP)
- DDoS (Dynamic DoS) Protection

Management

- Access Administration
- Web based Configuration - HTTP server
- System configuration backup and restore
- SNMP Support (V.1 and V.2C) – MIB I, MIB II (RFC1213)
- Firmware Upgrade Available by Web / TFTP
- Remote Firmware Upgradeable
- UPnP
- Easy Setup Wizard
- TR069 Remote Management Diagnostic and ATM loop back

QoS

- IP ToS function (RFC 1349)
- 802.1p bit remarking
- Traffic classification by port, 802.1p, ToS and DSCP

Firewall

- Stateful Packet Inspection (SPI)
- NAT
- DMZ
- Filtering – IP Filtering, MAC Filtering, URL Filtering
- ACL (Access Control List)
- VPN (IPSec, PPTP, L2TP) pass-through

Wireless Features

- Dual SSID Radio
- SSID Broadcast
- WMM Support
- WEP Encryption (64/128 bit)
- WPA-TKIP/PSK, WPA2-AES/PSK
- 802.1X
- MAC address filtering
- Configurable transmit power level and data rate
- WDS Support

Dimension

- (L)132 x (W)90 x (H)33.5 mm

Weight

- 157 (g)

Operating Environment

- 0° C ~ 40° C / 32° F ~ 104° F
- 10% ~ 80% Non-condensing

Certifications

- FCC Class B
- CE Mark
- RoHS compliant

Warranty

- 3 Years

CONTACT

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