

# SMC7904WBRA4

## 4-Port Wireless Annex A ADSL2/2+ Modem Router

### Product Overview

**SMC7904WBRA4**, is a highly integrated residential broadband access device which combines the function of ADSL modem, wireless G access point and 4-ports Ethernet router. SMC7904WBRA4 is fully compliant with the latest ADSL2/2+ and Ethernet standards like IEEE802.3/802.3u. It is also TR-067 compliant, ensuring the interoperability with your ISP's network infrastructure. SMC7904WBRA4 provides high performance applications, access to the Internet, downstream up to 24Mbps and upstream up to 2Mbps, for individual users, SOHOs, and small enterprises.



### Key Features and Benefits

#### Enhanced ADSL2+ Technology

Instant always on Internet connectivity for wired computers. The built-in ADSL2/2+ modem gives unrivaled asymmetric high-speed data transfer rates with up to 24Mbps downstream.

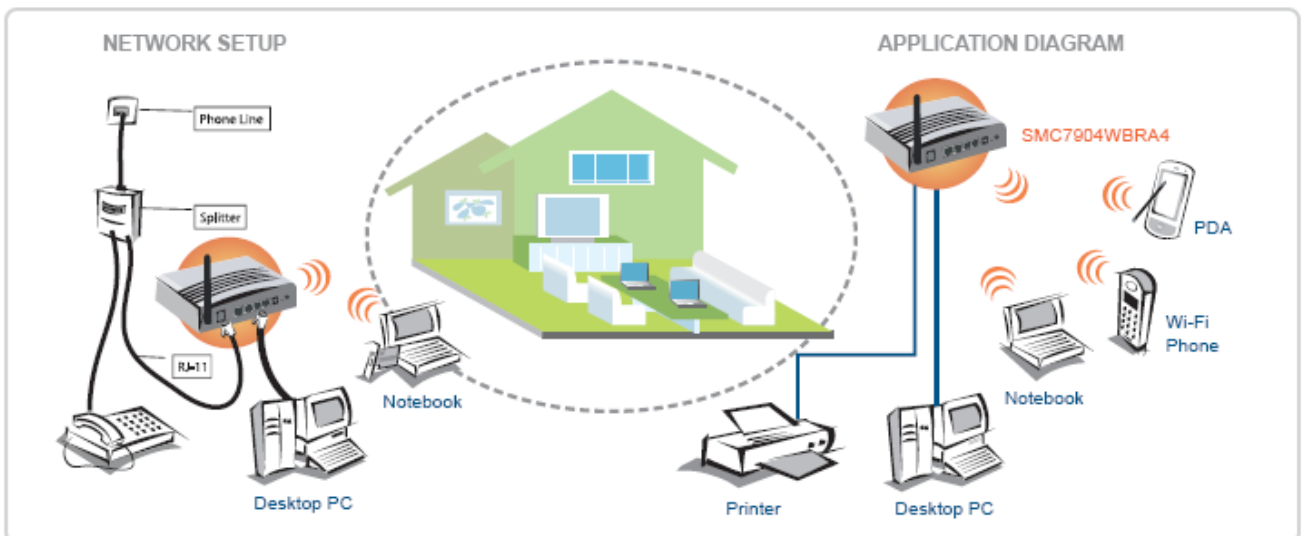
#### Robust Security and Firewall Protection from Hackers

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 allow you to control access to Internet services & filter inappropriate web sites.

#### Quality of Service (QoS)

The SMC7904WBRA4 includes a build in QoS engine, which allow network administrators to allocate network resource and to prioritize real-time applications like voice & video, to enable smooth Internet phone (VoIP) and lag-free online gaming. WMM (WiFi Multimedia) delivers QoS to the wireless network, while IP QoS prioritizes outbound internet traffic.

### Application Diagram



# Features

## HARDWARE

### Physical Interface

- 1 RJ-11 Jack for ADSL Interface
- 4 RJ-45 Jacks for 10/100 Base-Tx Ethernet Ports
- 1 Reset Button
- 1 Power DC jack
- 1 Power On / Off Switch

### LED Indicators

- Power/ Link/ WLAN/ LAN

## 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

### 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 up to 8 PVCs – 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
- NATP
- 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

### WLAN Support

- Hide SSID
- Multiple SSID
- Support WMM
- WEP Encryption (64/128 bit)
- WPA-TKIP/PSK, WPA2-AES/PSK
- 802.1X
- MAC address filtering
- Configure RTS/CTS; Fragmentation Threshold; Beacon Interval
- Configurable transmit power level and data rate
- WDS

### Security

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

### Firewall

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

### 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
- TR067 Ensures product meets all ADSL IOT test

### QoS

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

### Dimension

- (L)132\*(W)90\*(H)33.5mm

### 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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