

SMC7901WBRA2 B1

1-Port ADSL2/2+ Wireless Router

Product Overview

SMC7901WBRA2 B1 is an integrated residential broadband access device which combines the function of ADSL modem and wireless G access point. It is fully compliant with TR-069 compliant, ensuring interoperability with your ISP's network infrastructure.

SMC7901WBRA2 B1 provides high performance access to the Internet, downstream up to 24Mbps and upstream up to 1Mbps, making it ideal for individual users, SOHOs, and small enterprises. With SMC7901WBRA2 B1, computers on the LAN side can communicate and share the Internet access and files with each other wired or wirelessly.



Key Features and Benefits

IGMP Multicast

SMC7901WBRA2 B1 supports IGMP v1/v2 proxy and snooping functions. It allows ISP to deploy IPTV multicast service to the home subscribers.

Easy to Provision

SMC7901WBRA2 B1 is TR-069 compliant which allows ISP to monitor and provision it remotely. It is able to automatically upgrade firmware and other configurations setting from ISP. This will reduce the device on site maintenance and operation cost dramatically.

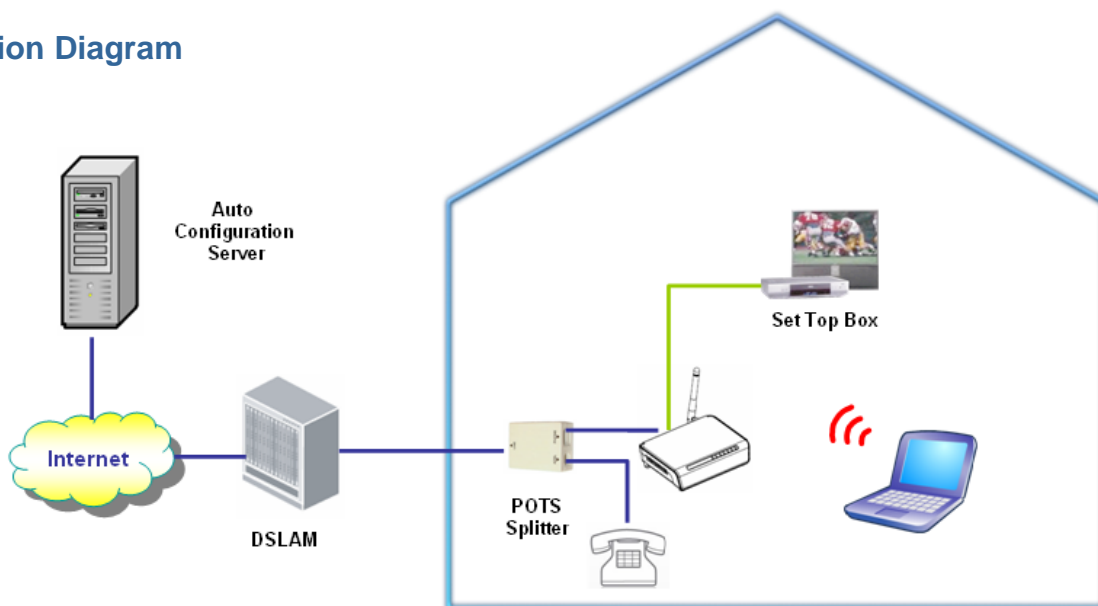
Power Dying Gasp

Dying Gasp is a signal sent by SMC7901WBRA2 B1 to DSLAM when a power outage occurs. Without external power, the router will end the session gracefully and a new session will be established as soon as power returns and the built-in ADSL modem retrains.

Deploy as Bridge or Router

SMC7901WBRA B1 can be deployed as a bridge modem or a router. This provides flexibility for ISP to deploy it for various service plan.

Application Diagram



Features

HARDWARE

Physical Interface

- 1 RJ-11 ADSL Interface port (Annex A)
- 1 RJ-45 10 /00 Base-TX Ethernet port
- 1 fixed 1.7 dBi Antenna
- 1 Reset Button
- 1 DC Power input
- 1 Power On / Off Switch

LED Indicators

- Power / WLAN / LAN / ADSL Sync / ADSL Data

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.992.5 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
- Supports PPPoA (RFC2364)
- Supports MPoA functionality (RFC2684)
- Supports IP over ATM (IPoA)
- 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
- uPnP
- DDNS
- IPv4
- SNTP
- VLAN

Firewall

- Stateful Packet Inspection (SPI)
- NAT
- DMZ
- VPN (IPSec, PPTP, L2TP) pass-through

Management

- Web based Configuration
- System configuration backup and restore
- SNMP Support V.1 and V.2C
- Firmware Upgrade by HTTP or TFTP
- Easy Setup Wizard
- TR-069, 098, 111 for remote management of provision, QoS and configuration

Wireless Features

- WMM QoS Support
- WEP Encryption (64/128 bit)
- WPA-TKIP/PSK, WPA2-AES/PSK
- MAC address filtering
- WDS Support
- WPS-PIN

Power Adapter

- AC Input: 100-240V/0.3A
- DC Output: 12V/1A

Dimension

- (L)136 x (W)90 x (H)32 mm

Weight

- 160 (g)

Operating Environment

- Temperature
 - 0°C to 40°C (Standard Operating)
 - 20°C to 70°C (Non-Operating)
- Humidity
 - 5% to 95% (Non-condensing)

Certifications

- FCC Class B
- CE Mark

Warranty

- 3 years

CONTACT

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