SMC7904BRA3
4-Ports Annex A ADSL2/ADSL2+ Modem Router

Product Overview

SMC7904BRA3, is a high integrated residential broadband access device, which provides one ADSL2+ RJ11 port and four built-in Ethernet ports. The SMC7904BRA3 is fully compliant with ADSL/2/2+ standards and Ethernet standards like IEEE802.3/802.3u. It provides high performance access to the Internet, downstream up to 24Mbps and upstream up to 2Mbps. With SMC7904BRA3, computers on the LAN side can communicate and share the Internet access and files with each other. This router can provide high access performance applications for individual users, SOHOs, and small enterprises.

Key Features and Benefits

Enhanced ADSL2+ 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.

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 SMC7904BRA3 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

Application Diagram
Features

Hardware

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

LED Indicators
• Power/ Data/ Link/ 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 r-t-VBR and nrt-VBR service classes
• Provides ATM layer functionality
• Support up to 8 PVCs – traffic shaping (CBR, UBR, r-t/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
• Stateful Packet Inspection (SPI)
• 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
• NAT
• DMZ
• Filtering – IP Filtering, MAC Filtering, URL Filtering
• ACL (Access Control List)
• VPN (IPSec, PPTP, L2TP) pass-through

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

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