SMC Networks

Broadband Modem

SMC7904BRA
ADSL2 Barricade™ 4 Ports Router with Built-in Annex A ADSL2/2+ Modem

OVERVIEW

The ADSL Barricade™ (SMC7904BRA) is an external Ethernet standards based ADSL2/2+ modem and Router that provides high-speed internet access to both the residential and the small and home offic (SoHo) user. This new Modem/Router provides unrivaled asymmetric high-speed data transport over a single copper pair linking branch offices, home offices and individual subscribers to their network services providers, including internet service providers.

The SMC7904BRA also has a built in DHCP server to make implementing and expanding your network simple and easy. This device supports Full-rate G.dmt, which gives you download speeds of 12Mbps and upload speeds of 896Kbps. Its NAT based Firewall security provides a high level of security for your network. This new device is a complete ADSL 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, ADSL status and Power.

FEATURES	BENEFITS
High speed internet Access	With ADSL2/2+ technology, the SMC Barricade ADSL2/2+ provides enhanced data transmition speed, Up to 12 Mbps for downstream and 896kbps for upstream
Flexibility and scalability	The combination of ADSL technology and the flexibility of Ethernet & Private LAN networks, it allows multiple computers to share local resources, share internet simultaneously & keeps you connected!
Easy Setup	EZ installation wizard ensures simple & easy setup. Pre-configured major worldwide Insternet service provider's configuration value. End users can easily set up the internet connection by choosing their country and the name of ISP.
Security	Provides Extensive firewall to protect your network from intruders.

PORTS
- FOUR 10/100Mbps RJ45 ports
- One ADSL RJ11

ADSL FEATURES
- Supports DMT line modulation
- Supports Annex A Full-Rate ADSL: up to 12Mbps 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
- Dying GASP support

ATM FEATURES
- RFC1483 Encapsulation (IP, Bridging & encapsulated routing)
- PPP over ATM (LLC &VC multiplexing) (RFC2364)
- Classical IP (RFC1577)
- Traffi c shaping (UBR, CBR)
- OAM F4/F5 support
- PPP over Ethernet Client

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

SECURITY FEATURES
- Password protected configuration access
- User authentication (PAP/CHAP) with PPP
- Firewall NAT NAPT
- VPN pass through (IPSec-ESP Tunnel mode,L2TP, PPTP)

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

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

TEMPERATURE IEC 68-2-14
- Standard Operating 0° to 50° C / 32°-122° f
- Non-operation -40° to 70° C / -40°-158° f

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

DIMENTIONS
- 1.1 x 6.1 x 5.04 in
- 28 x 155 x 128 mm

WEIGHT
- 450 g
- 1 lb

POWER INPUT
- 12V/1A

IEEE STANDARDS
- IEEE 802.3, 802.3u, 802.11g, 802.1d
- ITU G.dmt
- ITU G.Handshake
- ITU T.413 issue 2 – ADSL full rate

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

SAFTEY
- 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

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