



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SMC 7804WBRB. You'll find the answers to all your questions on the SMC 7804WBRB in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

- User manual SMC 7804WBRB**
- User guide SMC 7804WBRB**
- Operating instructions SMC 7804WBRB**
- Instructions for use SMC 7804WBRB**
- Instruction manual SMC 7804WBRB**

Data Sheet

ADSL Barricade™ g SMC7804WBRB



54 Mbps Wireless 4-port Router with built-in Annex B-UR2 ADSL Modem

The ADSL Barricade™ g, SMC7804WBRB, is an all-in-one solution for connecting and sharing your ADSL Broadband connection in your home or office. This multifunctional Annex B-UR2 ADSL router combines a 2.4GHz 54Mbps 802.11g Wireless Access Point, 4 13/100Mbps RJ45 ports for connection to a PC or Network and an RJ45 WAN port that connects to your ADSL line. The four 10/100Mbps RJ45 ports can be connected to a network hub or switch to expand the number of people sharing your ADSL connection in your home or your office.

The SMC7804WBRB 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 8Mbps and upload speeds of 600Kbps. 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. All SMC products are backed by a limited lifetime warranty (5 years) and Free technical support.

Features and Benefits

High Speed Internet Access

- The SMC Wireless ADSL Barricade provides unrivaled asymmetric high-speed data transport over a single copper pair linking Branch Offices, Home Offices & Individual Subscribers to their Network Service Providers, including Internet Service Providers.

Flexibility and Scalability

- The SMC Wireless ADSL Barricade is scalable as the network grows. It brings together the best combination of ADSL technology and the flexibility of Ethernet & Wireless LAN Networks. This flexibility provides maximum performance allowing multiple computers to share local resources, access the Internet simultaneously & keep you „always connected“!

Easy Setup

- The SMC Wireless ADSL Barricade can be configured and managed locally and remotely via a Web-based configuration tool.
- Investments are protected through the support of popular DSL connection modes such as PPP over Ethernet (PPPoE) bridging and routing.
- The ADSL Barricade can even support PPP over ATM (PPPoA), bridging and routing.

Security

- The SMC Wireless ADSL Barricade also provides extensive firewall for network protection, VPN pass through (IPsec, PPTP & L2TP) capabilities for reduced cost and remote access communications and DHCP support for Plug-and-Play installations.

Features

- Functions as a Bridge and/or Router
- Ethernet and Wireless Access Point provide greater flexibility for simultaneous sharing of the ADSL and local resources
- Firewall security with WEP, WAP and 802.1x for wireless security
- Remote management and firmware upgrade
- UPnP and Dynamic DNS for Web and Internet application support

Product	Model No.	Description
ADSL Barricade™ g	SMC7804WBRB	54 Mbps Wireless 4-port Router with built-in ADSL (Annex B-UR2) Modem

www.smc-europe.com www.smc.com



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Manual abstract:

4GHz 54Mbps 802.11g Wireless Access Point, 4 10/100Mbps RJ45 ports for connection to a PC or Network and an RJ45 WAN port that connects to your ADSL line. The four 10/100Mbps RJ45 ports can be connected to a network hub or switch to expand the number of people sharing your ADSL connection in your home or your office. The SMC7804WBRB 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 8Mbps and upload speeds of 640Kbps. @ @ This new device is a complete ADSL solution for PC or MAC users. @ @ @ @ @ @ @ @ @ @ @ @ @ @ Security · The SMC Wireless ADSL Barricade also provides extensive firewall for network protection, VPN pass through (IPSec, PPTP & L2TP) capabilities for reduced cost and remote access communications and DHCP support for Plug-and-Play installations. Features · · · · Functions as a Bridge and/or Router Ethernet and Wireless Access Point provide greater flexibility for simultaneous sharing of the ADSL and local resources Firewall security with WEP, WAP and 802.1x for wireless security Remote management and firmware upgrade UPnP and Dynamic DNS for Web and Internet application support Product ADSL Barricade g Model No Description SMC7804WBRB 54 Mbps Wireless 4-port Router with built-in ADSL (AnnexB-UR2) Modem Specifications Physical Characteristics Ports · Four 10/100Mbps RJ45 Ports · One ADSL RJ45 · Two external dipole antennas ADSL Feature · Supports DMT line modulation · Supports Annex A Full-Rate ADSL: up to 8Mbps 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 Feature · RFC1483 Encapsulation (IP, Bridging & encapsulated routing) · PPP over ATM (LLC & VC multiplexing) (RFC2364) · Classical IP (RFC1577) · Traffic shaping (UBR, CBR) · OAM F4/F5 support · PPP over Ethernet Client Management Feature · Firmware upgrade via WEB Based Management · WEB Based Management (configuration) · Power Indicators · Event & History logging · Network Ping · SNMP v.

1/2 support Security Feature · Password protected configuration access · User authentication (PAP/CHAP) with PPP · Firewall NAT NATP · VPN pass through (IPSec-ESP Tunnel mode, L2TP, PPTP) LAN Feature · IEEE 802.1D (self learning transparent bridging) · DHCP Server · DNS Proxy · Static Routing, RIPv1 and RIP Application · Netmeeting, ICQ, Real Player, QuickTime, DialPad, PC Anywhere, · Telnet, SNMP, NNTP) Radio Features Wireless RF module Frequency Band 802.11g Radio: 2.4GHz 802.11b Radio: 2.

4GHz USA FCC 2412 ~ 2462MHz (Ch1~Ch11) Canada IC 2412 ~ 2462MHz (Ch1~Ch11) Europe ETSI 2.4000 ~ 2.4835MHz (Ch1~Ch13) Spain SMC Networks Europe Head Office Edificio Conata II Fructuós Gelabert 6-8 Planta 2 08970 - Sant Joan Despi Barcelona Spain Telephone: +34 93 477 4920 Facsimile: +34 93 477 3774 SMC Networks Central Europe Telephone: +49 (0) 89 92861-0 Facsimile: +49 (0) 89 92861-230 SMC Networks CIS 74, marshala Zhukova ave. Moscow 123103 Russia Telephone: +7 095 789 35 73 Facsimile: +7 095 789 35 73 SMC Nordic and Baltic Telephone: +45 (0) 566 62283 Facsimile: +45 (0) 566 62286 2457 ~ 2462MHz (Ch10~Ch11) France 2457~2472MHz (Ch10~Ch13) Japan STD-T66/STD-33 2412~2484MHz (Ch1~Ch14) Modulation Type · OFDM, CCK Operating Channels IEEE 802.11b compliant: · 13 channels (US, Canada) · 3 channels (ETSI) · 2 Channels (Spain) · 4 Channels (France) · 14 channels (Japan) IEEE 802.11g compliant: · 13 channels (US, Canada, Europe, Japan) b-mode Modulation Rate-Output Power (dBm) · 1Mbps 16 dBm · 2Mbps 16 dBm · 5.5Mbps 16 dBm · 11Mbps 16 dBm g-mode Modulation Rate-Output Power (dBm) · 6Mbps 15 dBm · 9Mbps 15 dBm · 12Mbps 15 dBm · 18Mbps 15 dBm · 24Mbps 15 dBm · 36Mbps 15 dBm · 48Mbps 15 dBm · 54Mbps 15 dBm b-mode Modulation Rate- Receiver Typical Sensitivity (dBm) · 1Mbps -90 dBm · 2Mbps -88 dBm · 5.5Mbps -85 dBm · 11Mbps -84 dBm g-mode Modulation Rate-Receiver Typical (Sensitivity dBm) · 6Mbps -88 dBm · 9Mbps -87 dBm · 12Mbps -84 dBm · 18Mbps -82 dBm · 24Mbps -79 dBm · 36Mbps -75 dBm · 48Mbps -68 dBm · 54Mbps -68 dBm Environmental SMC7404WBRB complies with the following standards: Temperature: IEC 68-2-14 · 0 to 50 degrees C (Standard Operating) · -40 to 70 degree C (Non-operation) 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 ADSL BarricadeTM g SMC7804WBRB 54 Mbps Wireless 4-port Router with built-in Annex B-UR2 ADSL Modem Dimensions · 220 x 132 x 30 (mm) Weight · 550g 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 Standards Conformance Electromagnetic Compatibility · CE, ETSI, R&TTE, ETS 300 328, ETS 300 826 Safety · 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 SMC Networks Eastern Europe Telephone: +420 607 96 6699 Facsimile: +420 235 36 3905 SMC Networks Italia Telephone : +39 348 706 90 65 SMC Networks Netherlands Telephone: +31 627 075227 Facsimile: +31 334 557 330 SMC Networks Ireland Telephone: +353 61 34 0675 Facsimile: +353 61 34 0675 SMC Networks Sweden Telephone: +46 (0)8 687 0700 Facsimile: +46 (0)8 87 62 62 SMC Networks North West Africa Telephone: +216 71 23 66 16 Facsimile: +216 71 75 14 15 SMC Networks Sub-Saharan Africa Telephone: +27 012 661 0232 SMC Networks South-East Europe Telephone: +49 (0) 89 74 08 00 80 Facsimile: +49 (0) 89 74 08 00 81 SMC Networks Southern Europe Telephone: +33 (0) 1 41 38 32 32 Facsimile: +33 (0) 1 41 38 01 58 SMC Networks Spain and Portugal Telephone: +34 (0) 636 2043 Facsimile: +34 (0) 636 2044 SMC Networks United Kingdom Telephone: +44 (0) 1932 86 6553 SMC is a registered trademark; and EtherPower, EZStart, SimulTasking, TigerSwitch and SuperDisk are trademarks of SMC Networks, Inc. @ @ © Copyright 2002 SMC Networks, Inc. .



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