The Barricade™ g 2.4GHz 54Mbps Wireless Cable/DSL Broadband Router (SMC2804WBR) is the perfect networking solution for any home and business user that is looking for a simple, all-in-one network product. This platform independent multi-functional router combines a 4-port 10/100Mbps dual-speed switch with Automatic MDI-MDIX feature, a high speed 54Mbps wireless access point, Stateful Packet Inspection (SPI) firewall security, network management, and Virtual Private Network (VPN) pass-through support into one convenient device. The new Barricade g offers a high data rate that is up to 5 times faster than the widely used 802.11b wireless LAN and is backward compatible with existing 802.11b network devices.

The SPI firewall provides protection against hacker invasions, such as Denial of Service (DoS) attacks by analyzing individual data packets, as they pass-through the Barricade g, to ensure that only authorized packets are allowed access to the network. To control network access, parents, or business owners can block certain websites by entering either a URL address or just a keyword of the website. In addition, this latest Barricade g Wireless Cable/DSL Broadband Router provides hacker prevention and logging functionalities.

Supporting NAT, the Barricade g can provide simultaneous Internet access for up to 253 PCs using a single purchased IP address. To manage these connections, the Barricade g has a built-in DHCP server to auto-assign IP addresses to devices on your network. By using the web-based management interface, you can configure this router to handle IP routing and port forwarding through the Virtual Server option. For added management, the router also has a full-featured Access Control option. This integrated feature allows you to filter traffic through your network based on IP address or MAC Address.

To secure your wireless connection, the Barricade g supports IEEE802.1x* for authentication, Wi-Fi Protected Access (WPA)*, disable SSID broadcast, MAC address filtering and 64/128-bit Wired Equivalent Privacy (WEP). This integrated wireless router allows you to connect to your network at distances up to 1,155 ft. Furthermore, this latest Barricade g has two detachable antennas that can be replaced with SMC high gain antennas for added performance and coverage.
Product: SMC2804WBR
Description: Barricade™ g 2.4GHz 54Mbps Wireless Cable/DSL Broadband Router

SPECIFICATIONS

Standards
- IEEE802.3, 802.5, 802.11g, 802.11n draft, 802.11b compliant

Data Rate
- 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54Mbps

Configuration and Management
- Web configuration and firmware upgradeable

Operating Range
- Up to 1,155 ft

Internet Sharing Methods
- Static IP
- Dynamic IP
- PPPoE
- PPTP WAN
- Big Pond Cable

Protocols
- PPTP/L2TP/IPSec, TCP/IP
- Pass-through (VPN)
- DNS
- SNMP
- NAT
- DHCP
- HTTP
- HTML
- PPP Internet Control Protocol
- PPP Authentication Protocol
- Point-to-Point Protocol

Data Modulation Type
- QDAM, CCX

Security
- 64/128-bit WEP
- Wi-Fi Protected Access (WPA)*
- 802.1x*

Operating Frequency
- 802.11g Radio: 2.4GHz
- 802.11b Radio: 2.4GHz
- USA – FCC 2412-2462MHz (Ch1-Ch11)
- Canada – IC 2412-2462MHz (Ch1-Ch11)
- Europe – ETSI 2412-2472MHz (Ch1-Ch13)
- Spain 2412-2462MHz (Ch10-Ch11)
- France 2457-2472MHz (Ch10-Ch13)
- Japan – STD-T66/STD-33 2412-2484MHz (Ch1-Ch14)

Operating Channel
- IEEE802.11b compliant: - 2 channels (Spain)
- 4 channels (France)
- 11 channels (US, Canada)
- 13 channels (Europe, ETSI)
- 14 channels (Japan)
- IEEE802.11g compliant: - 13 channels (US, Canada, Europe, Japan)

Output Power
- Modulation Rate-Output Power (dBm)
  - 802.11b – 1Mbytes 16
  - 802.11b – 2Mbytes 16
  - 802.11b – 5.5Mbytes 16
  - 802.11b – 11Mbytes 16
  - 802.11g – 6Mbytes 15
  - 802.11g – 9Mbytes 15
  - 802.11g – 12Mbytes 15
  - 802.11g – 18Mbytes 15
  - 802.11g – 24Mbytes 15
  - 802.11g – 36Mbytes 15
  - 802.11g – 48Mbytes 15
  - 802.11g – 54Mbytes 15

Sensitivity
- Modulation Rate-Receiver
  - 2.412 – 2.484GHz (dBm)
  - 802.11b – 1Mbytes -90
  - 802.11b – 2Mbytes -88
  - 802.11b – 5.5Mbytes -85
  - 802.11b – 11Mbytes -84
- Modulation Rate-Receiver Typical
  - 802.11g – 6Mbytes -88
  - 802.11g – 9Mbytes -87
  - 802.11g – 12Mbytes -84
  - 802.11g – 18Mbytes -82
  - 802.11g – 24Mbytes -79
  - 802.11g – 36Mbytes -75
  - 802.11g – 48Mbytes -68
  - 802.11g – 54Mbytes -68

Antenna Type
- Two detachable antennas with reversed SMA connectors

Antenna Gain
- 2 dBi

LEDs
- Power
- WLAN
- LAN
- WAN

Power
- 9V, 1000 mA

Dimension
- 119mm x 121mm x 25mm

Weight
- 0.055 kg (1.5 lbs)

Regulation Compliance
- FCC Part 15 Class B, Sec. 15.247 and 15.109
- ETS 300 328, ETS 300 826, EN55022 and CE-Mark
- VCCI/JATE
- CSA/UL
- Industry Canada
- C-Tick

Temperature
- In operation: 0°C – 55°C
- In storage: -20°C – 75°C

Humidity
- 15% – 95%

Warranty
- Limited lifetime

* available in Q2, 2003

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