

Data Sheet

Barricade™ g SMC2804WBRP-G

2.4GHz 54Mbps Wireless Router with built in USB Printer Server



The Barricade™ g 2.4GHz 54Mbps Wireless Broadband Router with USB Print Server (SMC2804WBRP-G) is the Industries First 802.11g Router with a USB Printer Server! With this new router you can share a single printer to all the PC's connected to the Barricade via a wired or wireless connection.

The SMC2804WBRP-G 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 10/100 Mbps dual-speed switch with Automatic MDI-MDIX feature, a high speed 54Mbps wireless access point, two detachable antennas, Stateful Packet Inspection (SPI) firewall security, network management, Virtual Private Network (VPN) pass-through support, and a USB 1.1 Printer Port for sharing a printer across your network 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 SMC2804WBRP-G supports Prism Nitro™ technology to extend your wireless range and optimize your wireless throughput and performance. It has an integrated Stateful Packet Inspection (SPI) firewall to provide the maximum level of network security. This advanced 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 Router provides hacker prevention and logging functionalities - including an integrated system log server to export the Barricade g log files directly to a PC on your network.

The Barricade g can also alert you at work, school, home, or anywhere via email, when a hacker attempts to access your network, so you can take appropriate action. The Wireless Barricade g provides a 10/100 Mbps WAN port for high-speed integration into your network. 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. To install this device, simply place the EZ 3-Click Installation Wizard CD into your CD-ROM drive and in minutes you will be surfing the web. 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 wireless connectivity, the Barricade g Wireless Router supports up to 54Mbps high-speed wireless connection at data rates of 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps. To secure this wireless connection, the Barricade g supports 802.1x for authentication, Wi-Fi Protected Access™ (WPA), disable SSID broadcast, MAC address filtering and 64/128-bit Wired Equivalent Privacy (WEP). Furthermore, this latest Barricade g has two detachable antennas that can be replaced with SMC high gain antennas for added performance and coverage. SMC's Barricade g 2.4GHz 54Mbps Wireless Router with USB Print Server is a comprehensive networking solution for PC, MAC, or Linux users, and is backed by free technical support.

Features and Benefits

High Performance & Functionality

- Built-in USB Print Server
- 4-port Auto-sensing 10/100 Mbps switch versatility plus 1 10/100 Mbps port for WAN connection
- High Speed wireless operation at 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps
- EZ 3-Click Installation Wizard
- Universal Plug and Play™ support
- Connects to a Cable/xDSL modem
- Simultaneous Internet access for up to 253 PCs on the LAN using only one IP address
- Built-in Stateful Packet Inspection (SPI) firewall security
- Supports Nitro™ technology for optimized distance and throughput
- Robust security features include 802.1x for authentication, Wi-Fi Protected Access (WPA), 64-bit/128-bit WEP encryption, disable SSID broadcast, and MAC address filtering
- URL blocking to limit access to certain websites by entering a full URL address or a keyword of the website
- Access control based on IP address filtering, MAC address filtering, date and time of the day.
- Hacker prevention and logging capability with email alerts prevent common hacker attacks

Compatibility

- Platform independent - works with PC, Mac, or Linux
- IEEE 802.3, 802.3u, 802.11g and 802.11b compliant

Product	Model No	Description
Barricade™ g	SMC2804WBRP-G	2.4GHz 54Mbps Wireless Router with built in USB Printer Server

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

SMC[®]
Networks

Specifications

Standards

- 802.3
- 802.3u
- 802.11g Compliant
- 802.11b Compliant

Data Rates

- 1/2/5.5/6/9/11/12/18/24/36/48/54 Mbps

Security

- 64/128-bit WEP
- Wi-Fi Protected Access™
- 802.1x

Configuration and Management

- Web Configuration and firmware upgradeable

Internet Sharing Methods

- Static IP
- Dynamic IP
- PPPoE
- PPTP WAN
- Big Pond

Protocols

- TCP/IP
- PPTP/L2TP/IPSec Pass-through (VPN)
- DNS
- SNTP
- NAT
- DHCP
- HTTP

LED Indicators

- Power
- WLAN
- LAN
- WAN

Interface

- 4 x 10/100 Auto MDI/MDIX Base-T RJ-45 LAN Port
- 1 x 10/100 Auto MDI/MDIX Base-T RJ-45 WAN Port

Wireless RF module

- Frequency Band:
- 802.11g Radio: 2.4GHz
- 802.11b Radio: 2.4GHz

Modulation Type

- OFDM, CCK

Operating Channels

- IEEE 802.11b compliant:
- 11 channels (US, Canada)
 - 13 channels (ETSI)
 - 14 channels (Japan)

- IEEE 802.11g compliant:
- 11 channels (US, Canada)
 - 13 channels (ETSI)
 - 14 channels (Japan)

Output Power

- up to 16dbm

Receive Sensitivity (dBm) 2.412-2.484 GHz

- 802.11b
- 1Mbps: -90dBm
 - 2Mbps: -88dBm
 - 5.5Mbps: -85dBm
 - 11Mbps: -84dBm
- 802.11g
- 6Mbps: -88dBm
 - 9Mbps: -87dBm
 - 12Mbps: -84dBm
 - 18Mbps: -82dBm
 - 24Mbps: -79dBm
 - 36Mbps: -75dBm
 - 48Mbps: -68dBm
 - 54Mbps: -68dBm

Antenna Type

- Two Detachable Antennas with SMA Connectors

Antenna Gain

- 2 dBi

Operating Voltage

- 3.0V ~ 3.6V

Power

- 9V, 1000 mA

REGULATION COMPLIANCE

- FCC Part 15 Class B, Sec. 15.247 and 15.109
- ETS 300 328, ETS 300 826, EN60950 and CE-Mark
- CSA/TUV
- Industry Canada
- DGT

Operating Temperature

- 0 ~ 40° C ambient

Storage Temperature

- -40 ~ 70° C ambient

Humidity

- 10% ~ 95%

Size

- 130 x 85 x 32mm (5.12 x 3.35 x 1.26 in)

Weight

- 370g (13.05oz)

Barricade™ g

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