

AIRFORCE™ WIRELESS AP/ROUTER

WIRELESS FEATURES

- IEEE 802.11a/b/g and 54g™ compatible access point and router
- SmartRadio™ continuous calibration reduces test time and improves manufacturability
- Superior performance in real-world operating environments where interference is present
- Routing between 10/100 WAN, 10/100 LAN, and wireless LAN
- Upgradeable to future wireless LAN standards
- Capable of simultaneous dual-band wireless LAN communication
- Support for 802.11 requirements worldwide
- High-performance security through platform support for WEP weak key avoidance, MAC filtering, closed networks, TKIP, AES, 802.11i, and 802.1x

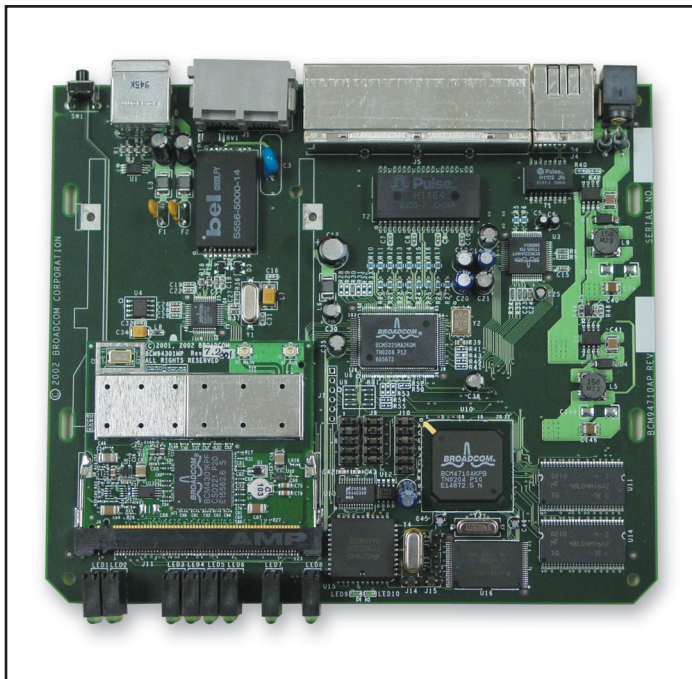
HARDWARE FEATURES

- Turnkey access point and router configurations
- 10/100 Ethernet WAN port
- 4-port 10/100 Ethernet LAN
- External 2.4-GHz antenna
- Dual Mini PCI supports dual-band 802.11a/b/g wireless communication
- USB 1.1 host support
- HPNA 2.0 32-Mbps LAN port (available only with BCM94710AP)
- VPN acceleration via Mini PCI and BCM5802 IPSec accelerator
- 4-MB flash/16-MB SDRAM default configuration
- Footprint support for 2-MB flash/8-MB SDRAM
- CardBus footprint

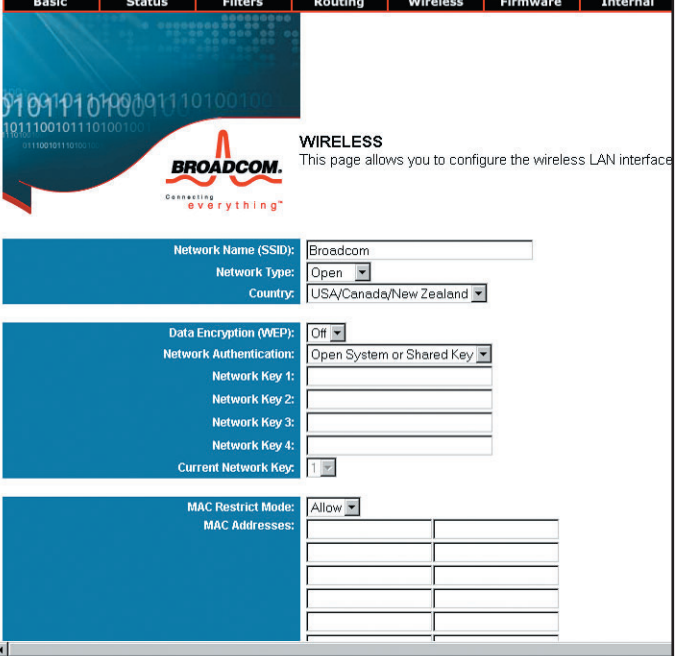
SOFTWARE FEATURES

- Production quality AP and router reference code provides an easily customized turnkey solution
- AirForce OneDriver™ software is forward compatible with future wireless LAN standards
- Network processor performance supports concurrent bridging of 802.11a, 802.11b, and 802.11g
- High-performance routing between 10/100 WAN and 10/100 LAN
- Software support for Linux™ and VxWorks® operating systems yields fast time-to-market
- Fully tested kernel, BSP, and driver packages enable custom OEM differentiation
- Intuitive browser-based configuration and management tools are intuitive to the end user
- Memory requirement as low as 1 MB of flash and 4 MB of SDRAM

BCM94710AP Reference Design



Wireless Gateway Management Software

Basic	Status	Filters	Routing	Wireless	Firmware	Internal								
 <p>WIRELESS This page allows you to configure the wireless LAN interface</p>														
<p>Network Name (SSID): <input type="text" value="Broadcom"/></p> <p>Network Type: <input type="text" value="Open"/></p> <p>Country: <input type="text" value="USA/Canada/New Zealand"/></p>														
<p>Data Encryption (WEP): <input type="text" value="Off"/></p> <p>Network Authentication: <input type="text" value="Open System or Shared Key"/></p> <p>Network Key 1: <input type="text"/></p> <p>Network Key 2: <input type="text"/></p> <p>Network Key 3: <input type="text"/></p> <p>Network Key 4: <input type="text"/></p> <p>Current Network Key: <input type="text" value="1"/></p>														
<p>MAC Restrict Mode: <input type="text" value="Allow"/></p> <p>MAC Addresses:</p> <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>														