The SMC7904WBRA2 combines an ADSL2/2+ modem, router, 4-port 10/100 LAN switch, 802.11g wireless access point & robust SPI firewall making it the complete solution for securely connecting & sharing your high speed ADSL connection, wired or wirelessly. It gives you instant always on internet connectivity with download speeds up to 24Mbps – ideal for streaming multimedia content to the home. The EZ Installation Wizard with on-screen help configures your ADSL connection & wireless network in 5 easy to follow steps. Even configuration of advanced functions is made easy with the intuitive web based management interface. The integrated 4-port 10/100 LAN switch with full-duplex operation lets you directly connect four computers or expand your network by connecting additional switches, while the 802.11g wireless access point gives you the freedom to roam wirelessly. Quality-of-Service gives priority to real-time, delay sensitive applications like Voice-over-IP and video-on-demand to improve the user experience. The NAT firewall with Stateful Packet Inspection (SPI), Intrusion Detection System (IDS) & Denial-of-Service (DoS) provides robust security from hackers. VPN pass-through is also provided for securely connecting to your office or corporate network.

**OVERVIEW**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easy setup</td>
<td>The intuitive web based management interface with EZ Installation Wizard &amp; on-screen help makes setup a breeze-configure your ADSL connection in 5 easy to follow steps.</td>
</tr>
<tr>
<td>High speed Internet access</td>
<td>Instant always on internet connectivity for wired &amp; wireless computers. The built-in ADSL2/2+ modem gives unrivaled asymmetric high-speed data transport at up to 24Mbps downstream.</td>
</tr>
<tr>
<td>Quality-of Service (QoS)</td>
<td>The SMC7904WBRA2 is optimized to prioritize real-time applications like voice &amp; video. WMM (WiFi Multimedia) delivers Quality-of-Service to the wireless network, while IP QoS prioritizes outbound internet traffic.</td>
</tr>
<tr>
<td>Security</td>
<td>The NAT firewall with Stateful Packet Inspection (SPI), Intrusion Detection System (IDS) &amp; Denial-of-Service (DoS) provides robust security from hackers while VPN pass-through allows secure connectivity to your office or corporate network. Access Control Lists (ACL’s) with URL blocking allows you to control access to internet services &amp; filter inappropriate web sites.</td>
</tr>
</tbody>
</table>
### PHYSICAL INTERFACES
- **WAN:** ADSL2/2+ RJ-11 port
- **LAN:** Four 10/100Mbps auto MDI/MDIX RJ-45 ports
- **Wireless:** 54Mbps 802.11g Wireless Access Point
- **External 2dBi detachable antenna** (Reverse SMA connector)
- **Internal 2dBi antenna**
- **Power Input:** DC12V 1A
- **Wall-mountable** (screws not included)
- **On/Off power switch**
- **Reset button**

### ADSL FEATURES
- **TI.413, G.DMT, G.LITE, ADSL2, ADSL2+**
- **Dying GASP support**
- **Annex A, L, M**
- **TR-067 interoperability tested**

### ATM FEATURES
- **Class-of-Service:** UBR, CBR, VBR, VBR-rt, VBR-nrt
- **RFC1483 Encapsulation** (IP, Bridging & encapsulated routing)
- **PPP over ATM (RFC2364)**
- **PPP over Ethernet**
- **Classical IP (RFC1577)**
- **VC-Mux & LLC encapsulation**
- **OAM F4/F5 support**

### MANAGEMENT FEATURES
- **Web based management interface**
- **TELNET**
- **TFTP**
- **SNMP v1/2c**
- **Automatic time maintenance (SNTP)**
- **Event logging**
- **Diagnostic tools**
- **TR-069 WAN management protocol***

### SECURITY FEATURES
- **Password protected management interface**
- **NAT firewall**
- **Stateful Packet Inspection (SPI), Intrusion detection logging & email notifications, Denial-of-Service (DoS) protection**
- **Access Control Lists, URL Blocking, Rule scheduling**
- **VPN pass-through (IPSec-ESP Tunnel mode, L2TP, PPTP)**

### WEAPON FEATURES
- **IEEE 802.1d (self learning transparent bridging)**
- **DHCP Server**
- **DNS Proxy / Relay**
- **Static Routing, RIP v1/2**
- **Port based VLAN**

### FUNCTIONS
- **UPnP, Port forwarding, Virtual DMZ host, WMM (WiFi Multimedia), Wireless Distribution System (WDS), IP Layer QoS with Diffserv (RFC2474), DDNS**

### WIRELESS RF MODULE FREQUENCY BAND
- **802.11b/g Radio:** 2.4 GHz
- **USA – FCC:** 2412~2462MHz (Ch1~Ch11)
- **Canada – IC:** 2412~2462MHz (Ch1~Ch11)
- **Europe – ETSI:** 2412~2472MHz (Ch1~Ch13)

### MAX RF OUTPUT POWER
- **802.11b: 18 dBm**
- **802.11g: 16 dBm**

### MODULATION TYPE
- **OFDM, CCK**

### CERTIFICATIONS
- **CE, R&TTE, CB, CSA/NRTL, FCC part 15 class B & FCC part 68 & FCC part 68**
- **EN300328 (2003-04)**
- **EN301489-1 (2001-09), EN301489-17 (2002-08)**
- **EN60950:2000/IEC60950**

### TEMPERATURE
- **Temperature:** IEC 68-2-14
- **-20 to 70 degrees C (Operating)**

### HUMIDITY
- **10% to 95% (Non-condensing)**

### DIMENSIONS
- **158.95mm (W) x 147.12mm (D) x 33.2mm (H)**