

BiPAC 5200G

802.11g ADSL2+ Firewall Router

Billion's BiPAC 5200G is an economical ADSL2+ Firewall Router with 802.11g Wireless AP ideally designed for home and SOHO users to enjoy rich firewall security, mobility, and faster speed when using ADSL Internet connection. With integrated Wireless 802.11g AP, the router enables you to surf the Internet anywhere in your home. The router lets you share high-speed ADSL Internet connection, even faster with advanced ADSL2+ capability of downstream rate up to 24Mbps. The powerful SOHO Firewall feature protects against hackers' attacks when you surf the Internet. VPN pass-through is also built-in for secure access. In addition, the web-based Graphic User Interface allows you to install and manage your network easily. The BiPAC 5200G makes fast wireless net surfing affordable and easy - Going online is just 'plug & play'.

▲ **BiPAC 5200G**

- 802.11g Wireless Access Point with WPA-PSK/WPA2-PSK support
- High speed Internet access with ADSL2/2+; backward compatible to ADSL
- Integrated with 4-port Ethernet Switch
- Easy Network Management
- SOHO Firewall Security with DoS Prevention and Packet Filtering
- Universal Plug and Play (UPnP) Compliant
- Dynamic Domain Name System (DDNS)
- Support Virtual Private Network (VPN) pass-through
- Ideal for Home and SOHO Users

Benefits

Express Internet Access

The router complies with ADSL worldwide standards. It supports downstream rate up to 12/24 Mbps with ADSL2/2+, 8Mbps with ADSL and upstream rate up to 1 Mbps. With this technology, users enjoy not only high-speed ADSL services but also broadband multimedia applications such as interactive gaming, video streaming and real-time audio much easier and faster than ever. Particularly, Annex M standard combined in the model of BiPAC 5200GA supports the latest ADSL2/2+ for higher upload speeds by doubling the upstream data rate.

SOHO Firewall Security

Along with the built-in NAT firewall feature, the router also provides advanced hacker pattern-filtering protection. It can automatically detect and block Denial of Service (DoS) attacks. In addition to the NAT technology, the BiPAC 5200G supports Packet Filtering for high-level security control.

Easy Network Management

The Web-based User Interface makes the BiPAC 5200G extremely easy for users to install and manage the network. With DHCP client and server built-in, system administrators can easily attach this security router into existing network and manage the IP assignment without re-configuring other stations. Furthermore, future firmware upgrade can be done via the friendly Web-based User Interface.

Wireless Mobility

With integrated 802.11g Wireless Access Point, the BiPAC 5200G offers home users quick and easy access to place PCs or laptops anywhere they want to go online. In addition to 54 Mbps 802.11g data rate, it is also backward compatible with existing 802.11b equipments. The Wireless Protected Access (WPA-PSK/WPA2-PSK) and Wireless Encryption Protocol (WEP) supported features enhance the security level of data protection and access control via Wireless LAN.



Feature & Specification

ADSL Compliance

- Compliant with ADSL Standard
 - Full-rate ANSI T1.413 Issue 2
 - G.dmt (ITU G.992.1)
 - G.lite (ITU G.992.2)
 - G.hs (ITU G.994.1)
 - ADSL over ISDN/U-R2
- Compliant with ADSL2 Standard
 - G.dmt.bis (ITU G.992.3)
 - ADSL2 Annex M (ITU G.992.3 Annex M)
(Available for BiPAC 5200GA model only)
- Compliant with ADSL2+ Standard
 - G.dmt.bisplus (ITU G.992.5)
 - ADSL2+ Annex M (ITU G.992.5 Annex M)
(Available for BiPAC 5200GA model only)

Network Protocols and Features

- NAT, static routing and RIP-1/2
- NAT supports PAT and multimedia applications
- Multi-to-multi NAT
- Transparent Bridging
- Dynamic Domain Name System (DDNS)
- SNTP
- DNS relay

Firewall & Virtual Private Network (VPN)

- Built-in NAT Firewall
- Prevent DoS attacks including Land Attack, Ping of Death, etc.
- Anti probe function
- Packet filtering
- Password protection for system management
- VPN pass-through

Wireless 802.11g

- Compliant with IEEE 802.11g and 802.11b standards
- 2.4 GHz - 2.484 GHz frequency range
- Up to 54 Mbps wireless operation rate
- 64/128 bits WEP supported for encryption
- Wireless Security with WPA-PSK/WPA2-PSK support



ATM and PPP Protocols

- ATM Adaptation Layer Type 5 (AAL5)
- Multiple Protocol over AAL5 (RFC 2684, formerly RFC 1483)
- Bridged or routed Ethernet encapsulation
- VC and LLC based multiplexing
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)
- OAM F4/F5
- ATM QoS: UBR, CBR, VBR-rt, VBR-nrt

Management

- Web-based configuration
- Firmware upgraded and configuration data upload and download via HTTP/FTP
- SNMP v2 MIB supported
- Support DHCP server/client/relay

Operating Environment

- Operating temperature: 0 ~ 40°C
- Storage temperature: -20 ~ 70°C
- Humidity: 20 ~ 95% non-condensing

Models & Standards Support

- BiPAC 5200GA: Annex A & Annex M
- BiPAC 5200GB: Annex B
- BiPAC 5200GU: U-R2
- Annex A and Annex M: ADSL over POTS
- Annex B and Annex U-R2: ADSL over ISDN

Hardware Specification

Physical Interface

- WLAN: fixed Antenna
- LINE: ADSL port
- LAN: 4-port 10/100M auto-crossover (MDI/MDI-X) switch
- Factory default reset button
- Power jack
- Power switch

Physical Specification

- Dimensions: 7.09" x 4.72" x 1.57"
(180mm x 120mm x 40mm)

Power Requirement

- Input: 12V DC, 1A

Note:

1. The router may require firmware modification for certain ADSL2/2+ Annex M DSLAMs.
2. Specifications in this datasheet are subject to changes without notice.