

BiPAC 3200G

802.11g Broadband Firewall Router

All-in-one Box

Billion's BiPAC 3200G is an all-in-one router, ideal for home and SOHO users to share broadband Internet connection over the wired and wireless network. It supports two different kinds of operation modes: as a gateway or a bridge, enabling you to change to any mode at any time if necessary. When the device is set up as a gateway mode, you can share high-speed Internet connections with your family by connecting it to an ADSL, cable, VDSL, or fiber modem, providing you with the maximum flexibility to choose different broadband service options. If there's already one wireless router / gateway existing in your network, you can change it to the bridge mode and used it as an additional wireless AP in other locations at home or in the office to expand the wireless range. With its built-in 4-port Ethernet switches, the BiPAC 3200G can serve four PCs / notebooks simultaneously.

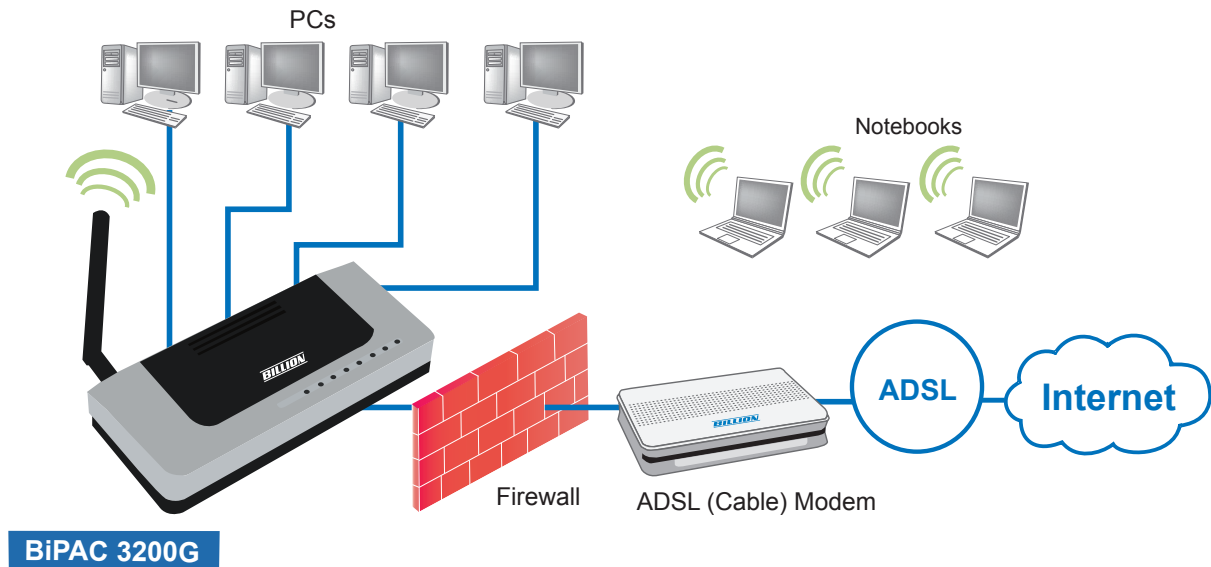
Wireless Mobility

With integrated wireless 802.11g Wireless Access Point, the BiPAC 3200G can offer high-speed data rate of up to 54 Mbps or even up to 72 Mbps under the turbo mode*. This enables you to browse the websites, download large-sized files, and play online game anywhere in your home at a blazing speed. In addition to supporting the 802.11g standard, it is also backward compatible with existing 802.11b equipment. With its built-in Wireless Distribution System (WDS) repeater function, the BiPAC 3200G can also act as an AP and repeater at the same time. This allows you to implement another AP in a different location where it's impossible to deploy network cables and expand your wireless coverage without using wires at all.

Robust Security

Along with the built-in NAT natural firewall feature, the router's advanced anti-hacker pattern-filtering protection feature automatically detects and blocks Denial of Service (DoS) attacks. Featuring with Stateful Packet Inspection (SPI), the router is able to determine whether or not a given data packet is allowed to pass through the firewall to the private LAN. The URL filtering feature prevents your children from viewing inappropriate contents over Internet. In addition, it provides multiple options for your wireless security such as 64/128-bit WEP encryption, WPA/WPA2-Radius, WPA/WPA2-PSK, and hidden ESSID to enhance the level of transmission security. Moreover, the powerful security features such as the wireless MAC access control enables you to specify which computers are denied or allowed to access the wireless network, preventing unauthorized wireless access and giving you complete control over your WLAN.

- Complies with IEEE 802.11b/g wireless standards
- High speed data transfer rate of up to 54 Mbps
- Supports turbo mode for 72 Mbps data transfer*
- Dual operation mode for greater flexibility – gateway and bridge mode
- Supports wireless data encryption with 64/128-bit WEP, WPA, and WPA2
- Wireless MAC access control prevents unauthorized access
- WDS supported with WEP, TKIP, and AES encryption
- Robust firewall security with SPI and anti-DoS
- Virtual DMZ
- Universal Plug and Play
- Supports DHCP server
- Ideal for home and SOHO users



Features & Specifications

Standard

- IEEE802.3, 10BASE-T
- IEEE802.3u, 100BASE-TX
- IEEE802.3x full duplex operation and flow control
- IEEE802.11b wireless LAN infrastructure
- IEEE802.11g wireless LAN infrastructure

WAN Connection

- Ethernet 10/100 Mbps

Cable Connections

- RJ-45 (10BASE-T): Category 3,4,5 UTP
- RJ-45 (100BASE-TX): Category 5 UTP

Transmission Mode

- Auto-Negotiation (Full-duplex, Half-duplex)

Wireless

- Compliant with IEEE 802.11g and 802.11b standards
- 2.4 GHz – 2.484G Hz frequency range
- Wireless operation rate
 - 802.11b: up to 11 Mbps
 - 802.11g: up to 54 Mbps
- Supports turbo mode for 72 Mbps data transfer*
- Wireless security
 - 64/128 bits WEP supported for encryption
 - WPA-Radius and WPA-PSK (TKIP or AES)
 - WPA2-Radius and WPA2-PSK (TKIP or AES)
- Wireless MAC access control
 - Enables "Allow list" and "Deny List"
- Supports WDS (Wireless Distribution System)

Receiver Sensitivity

- 54Mbps OFDM, 10%PER, -71dBm
- 11Mbps CCK, 10%PER, -81dBm
- 1Mbps BPSK, 10%PER, -92dBm

* Notes:

1. You may need to implement wireless clients that support turbo mode in your pc or notebook. V. 112509
2. Specifications in this datasheet are subject to change without prior notice.

Operation Mode

- Supports gateway and bridge mode

Firewall and Virtual Private Network

- Built-in NAT firewall
- Anti-DoS (Denial of Services)
- Port filtering, IP filtering, MAC filtering, and URL filtering
- Port forwarding
- Virtual DMZ
- L2TP/PPTP/IPSec pass-through

Management

- Quick installation wizard
- Web-based GUI for remote and local management
- Firmware upgrade and configuration data upload and download via web-based GUI
- Available syslog monitoring
- Supports DHCP server

Network Protocols and Features

- Supports NAT/NAPT IP Sharing
- Supports Static IP, PPPoE, PPTP, and DHCP client
- Universal Plug and Play (UPnP) Compliant
- Supports ALG for FTP, NetMeeting, and DDNS (DynDNS, TZO)

Transmit Power

- 16dBm~18dBm

Range Coverage

- Indoor: 35~100 meters
- Outdoor: 100~300 meters.

Hardware Specifications

- **Physical interface**
 - WLAN: 1 x 2dBi detachable antenna
 - WAN: 1 x 10/100Mbps Auto-MDI/MDI-X RJ-45 Ethernet port
 - LAN: 4 x 10/100Mbps Auto-MDI/MDI-X RJ-45 Ethernet ports
 - Factory default reset button
- **Physical specifications**
 - Dimensions: 167 x 73 x 27 mm (6.57" x 2.87" x 1.06")
 - Weight (main body plus antenna): 176g
- **Power supply**
 - External power adapter, 12V DC/ 1A

Memory

- Flash: 2MB NOR type
- SDRAM: 8MB

LED Indications

- System: Power, Status
- Port (WAN): ACT/LINK
- Port (LAN): ACT/LINK
- Port (Wireless): ACT

Operating Environment

- Operating Temperature :0°C ~ 45°C (32°F~104°F)
- Storage Temperature: -10°C ~ 70°C (-14°F~140°F)
- Humidity: 10 ~ 90% RH non-condensing