N Draft 802.11n

300 Mbps data rate

3x Wireless coverage of 802.11g

BILLION ™

Wireless speed up to 300Mbps and 3X the coverage of standard 802.11g

BiPAC 5200N

Draft 802.11n ADSL2+ Firewall Router

Experience the ultimate in wireless speed and coverage; share your networking anywhere with no more dead zones!

The BiPAC 5200N is an economic ADSL2+ Router pack deploying the latest draft 802.11n technology. It's designed for home and SOHO users who seek extreme mobility, high speed wireless connection and better wireless coverage while maintaining high-level security for their Internet connection. With an integrated draft 802.11n Wireless Access Point, the router enables you to surf the Internet from anywhere at home or in the office, delivering fast wireless speeds of up to 300Mbps. The 3 built-in antennas enable effectively searching for wireless signals, and automatically adjust to establish an optimal connection after obstacles have been detected. The SOHO Firewall is integrated, providing protection against hack attacks and the Quality of Service prioritizes queues for smooth traffic. With the BiPAC 5200N you can share your high-speed Internet connection with your family or colleagues at work from anywhere with no more dead zones to run applications such as music download, online gaming, video streaming, and file sharing!

Express Internet Access

This router complies with worldwide ADSL standards. It supports downstream rates of up to 12/24 Mbps with ADSL2/2+, 8 Mbps with ADSL, and upstream rates of up to 1 Mbps. With this technology, users enjoy not only high-speed ADSL service but broadband multimedia applications such as interactive gaming, video streaming and real-time audio run faster and more easily than ever. In particular, by doubling the upstream data rate, the Annex M standard included in the BiPAC 5200NA model supports the latest ADSL2/2+ standard for higher upload speeds.

Optimal Wireless Speeds and Coverage

With an integrated draft 802.11n Wireless Access Point, the router delivers up to 6 times the speed and 3 times the wireless coverage of a standard 802.11b/g network device. It supports a data rate of up to 300Mbps, and is also compatible with 802.11b/g equipment. The Wireless Protected Access (WPA-PSK / WPA2-PSK) and Wireless Encryption Protocol (WEP) features enhance the level of transmission security and access control over Wireless LAN. The router further supports the Wi-Fi Protected Setup (WPS) standard, allowing users to establish a secure wireless network by simply pushing a button.

Firewall Security and Smooth Traffic

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. In addition to the NAT technology, the BiPAC 5200N supports Packet Filtering for high-level security control. Quality of Service Control prioritizes the traffic and allows users to enjoy smooth traffic while running applications such as like P2P or multimedia through the Internet.

Easy Network Management

The Web-based User Interface makes it extremely easy for users to install and manage the BiPAC 5200N. The router supports both DHCP client and server, enabling system administrators to easily fit this router into existing network environments and manage the IP assignment without having to reconfigure other stations. Future firmware upgrades can be downloaded using a user-friendly Web-based Interface.

- Compliant with draft 802.11n standards
- Supports draft 802.11n Wireless Access Point with WPA-PSK/WPA2-PSK
- Delivers high-speed wireless connection, with up to 300Mbps data rate
- Expanded wireless coverage of up to 3 times the range of standard 802.11g products
- WPS (Wi-Fi Protected Setup) for easy setup
- Auto channel select
- High speed Internet access with ADSL2/2+;backward compatible with ADSL
- Integrated 4-port Ethernet Switch
- SOHO Firewall security with DoS Prevention and Packet Filtering
- Quality of Service Control
- Universal Plug and Play (UPnP) Compliant
- Dynamic Domain Name System (DDNS)
- Supports VPN pass-through
- Easy Network Management
- Ideal for Home & SOHO Users

Powering communications with **Security**

BiPAC 5200N
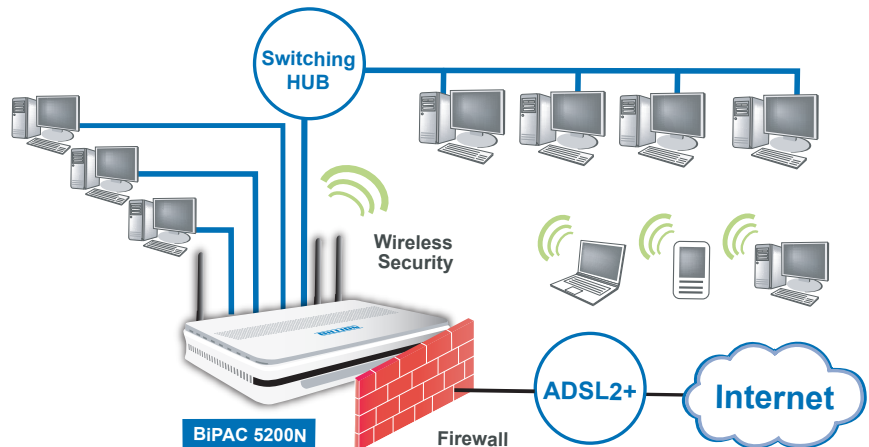
Features & Specifications

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 5200NA model only)
- Compliant with ADSL2+ Standard
  - G.dmt.bis plus (ITU G.992.5)
  - ADSL2+ Annex M (ITU G.992.5 Annex M)
    (available for BiPAC 5200NA 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)
- Virtual Server and DMZ
- SNTP, DNS relay and IGMP proxy

Firewall & Virtual Private Network (VPN)
- Built-in NAT Firewall
- Stateful Packet Inspection (SPI)
- Prevents DoS attacks including Land Attack, Ping of Death, etc.
- Anti probe function
- Packet filtering
- URL Filtering
- Password protection for system management
- VPN pass-through

Quality of Service Control
- Supports the DiffServ approach
- Traffic prioritization based-on IP protocol, port number and address

Wireless LAN
- Compliant with IEEE 802.11n, 802.11g and 802.11b standards
- 2.4 GHz – 2.484 GHz frequency range
- Auto channel select
- Up to 300Mbps wireless operation rate
- WPS (Wi-Fi Protected Setup) for easy setup (* future release)
- 64/128 bits WEP supported for encryption
- Wireless Security with WPA-PSK/ WPA2-PSK support
- WDS repeater function support (* future release)

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 upgrades and configuration data upload/download via web-based interface
- SNMP v1/v2 MIB supported
- Supports DHCP server/client/relay

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

Hardware Specifications
Physical Interface
- WLAN: 3 external antennas
- DSL: ADSL port
- Ethernet: 4-port 10/100M auto-crossover (MDI/MDI-X) switch
- Factory default reset button
- WPS button
- Power jack

Physical Specifications
- Dimensions: 7.28" x 4.86" x 1.42" (185mm x 123.5mm x 36mm)

Power Requirements
- Input: 12V DC, 1A

Models & Supported Standards
- BiPAC 5200NA: Supports Annex A and Annex M
- BiPAC 5200NU: Supports U-R2 and Annex B
- Annex A and Annex M: ADSL over POTS
- Annex B and U-R2: ADSL over ISDN

Notes:
1. The router may require firmware modification for certain ADSL2/2+/Annex M DSLAMs.
2. Actual throughput and performance depends on the environment. Normally, the wireless speed is faster if you are closer to the router. The farther from the router you are, the more wireless range, and slower speed, you get.
3. Specifications in this datasheet are subject to change without prior notice.

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