BiPAC 5500N *R3*

300Mbps Wireless-N ADSL2+ Firewall Router

Optimized Wireless Coverage

The BiPAC 5500N *R3* is a high-performance and fully featured ADSL2+ router designed to provide ultimate network stability and security for residential and SOHO users. With an integrated 802.11n wireless access point which supports up to 300Mbps operation rate, the BiPAC 5500N *R3* expands wireless coverage of up to 3 times faster than the range of 802.11g. The router is also equipped with a 4-port Ethernet switch, enabling other network end-devices, such as computers, tablets or smart phones, to access the Internet over Ethernet cable.

High-speed ADSL2+ Internet Access

Complied with latest ADSL/ADSL2+ standards, the BiPAC 5500N *R3* provides Internet transmission of up to 8/24Mbps downstream with ADSL2/ADSL2+ and 1Mbps upstream with ADSL. Moreover, the BiPAC 5500N *R3* is completely compatible with DSLAM (Digital Subscriber Line Access Multiplexer) which is designed to take advantage of triple-play services, allowing users to access the wider network and further enjoy higher-speed multimedia applications such as online gaming, media streaming and video calling that assist in delivering the best possible user networking experience. It can also carry out Video on Demand (VoD), FTP, file downloading that performs quicker than traditional modem.

Firewall Security and QoS

The BiPAC 5500N *R3* contains a built-in firewall security and supports the features of Wireless Protected Access and Wired Equivalent Privacy encryption to improve the level of transmission security and access control over wireless LAN. Quality of Service (QoS) Control prioritizes the traffic to ensure a smooth connection while running multiple applications.
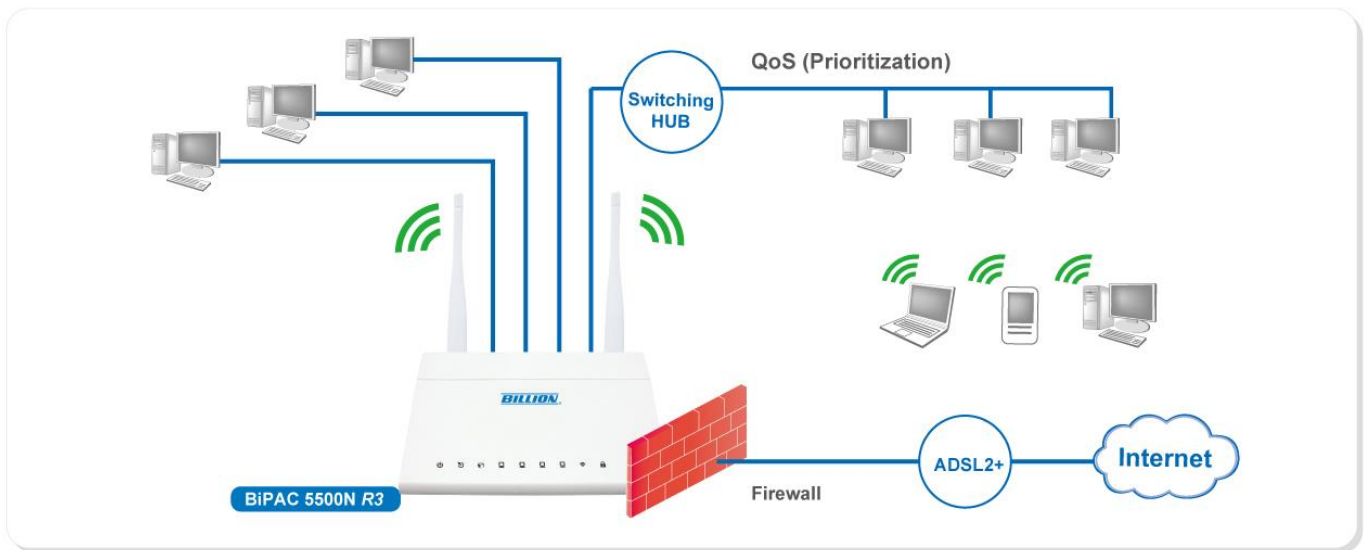
Easy Network Management

The web-based graphical user interface (GUI) makes it straightforward for users to remotely upgrade and configure the BiPAC 5500N *R3*. The router supports both DHCP client and server, enabling users to easily fit this router into existing network environments and manage the IP assignment without having to re-configure other stations.

Ideal for SOHO and Residential Users

- High speed Internet access with ADSL2/2+; backward compatible with ADSL
- Compatible with IEEE 802.11b/g/n standards
- Wireless speed up to 300Mbps
- Integrated 4-port Ethernet switch
- Supports IPv6
- WPS (Wi-Fi Protected Setup) for easy setup
- SOHO firewall security
- Supports VPN pass-through
- Quality of Service (QoS) control
- Web-based configuration
- Easy network management

ADSL2+ | IPv6 Support | 300 Mbps | N Wireless | Firewall | 4-port Switch

Features & Specifications

DSL Standards
- ANSI T1.413 issue 2
- ITU G. 992.1 (G.dmt)
- ITU G. 992.2 (G.lite)
- ITU G. 992.3 (ADSL2)
- ITU G. 992.4 (G.lite.bis)
- ITU G. 992.5 (ADSL2+)
- ITU G. 994.1 (G.hs)

ATM/PPP Protocol
- ATM Forum UNI3.1/4.0 PVC (up to 8 PVCs)
- ATM Adaptation Layer Type 5 (AAL5)
- Traffic Shaping (ATM QoS) UBR, CBR, VBR-rt, VBR-nrt
- Bridged and routed Ethernet encapsulation
- VC-based and LLC based multiplexing
- PPP over Ethernet (RFC2516)
- PPP over ATM (RFC 2364)
- IPoA (RFC1577/2225)

Key Features
- Bandwidth control
- Dynamic Host Configuration Protocol (DHCP), DHCP relay
- Network Address Translation (NAT)
- Static routing, RIP v1/v2
- VPN (PPTP, L2TP, IPSec) Pass-through
- PVC/Ethernet port grouping
- DNS relay, DDNS
- IGMP multicast, IGMP snooping V1/2
- Virtual server, DMZ, ACL (Access Control List)
- Supports UPnP

Quality of Service
- QoS prioritization based on IP type of service

Wireless Features
- Compatible with IEEE 802.11b/g/n
- Achieves 300Mbps data transfer rates
- 64/128-bit WEP encryption security
- WPA-PSK/WPA2-PSK authentication
- TKIP/AES encryption security

Security
- NAT and SPI firewall
- IP address filtering
- MAC address filtering
- Packet filtering
- URL filtering

Management
- Web-based configuration
- Remote management
- Telnet management
- Command Line Interface (CLI)
- SSL for TR-069
- SNMP v1/2c
- SNMP over EOC
- Web-based firmware upgrade
- CWMP (TR-069) *1
- Diagnostic tools

Hardware Specification
- One RJ-11 port for connection to WAN (for ADSL line)
- Four RJ-45 ports for 10/100 Base-T Ethernet LAN
- One power switch
- One power jack
- Two 2dBi fixed antennas
- One reset button to default setting
- One WPS button
- One WiFi button

LED Indicators
- Power
- DSL
- Internet
- WLAN
- WPS
- LAN1, LAN2, LAN3, LAN4

Power Requirement
- DC voltage: 12V, 0.5A

Physical Specifications
- Dimensions: 5.2" x 3.7" x 1.06" (165mm x 120mm x 32mm)

Operating Environment
- **Temperature**
  - $0°C \sim 40°C$ (standard operating)
  - $-40°C \sim 70°C$ (non-operating)
- **Humidity**
  - 10% ~ 90% (non-condensing, standard operating)
  - 5% ~ 90% (non-condensing, non-operating)

Note:
1. Only upon request for Telco/ISP Project.
2. Specifications on this datasheet are subject to change without prior notice.

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