

Ideal for
SOHO and
Residential
Users



BiPAC 5500W R3

Wireless-N 150Mbps ADSL2+ Firewall Router

Express Internet Access

Complying with worldwide ADSL standards, the BiPAC 5500W R3 supports downstream data transmission rates up to 12/24Mbps with ADSL2/2+, 8 Mbps with ADSL, and performs at upstream rates of up to 1Mbps. Moreover, the BiPAC 5500W R3 includes Annex M technology that supports the latest ADSL2/2+ standard for higher upload speeds by increasing the upstream operation rate to approximately 2.5Mbps (up to 3.5Mbps under ideal conditions). With this technology, you can enjoy even higher-speed broadband multimedia applications such as interactive gaming, video streaming and real-time audios that run faster and easier than ever.

Upgraded Wireless Access

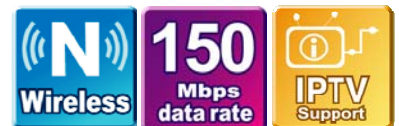
With an integrated 802.11n Wireless Access Point that supports up to 150Mbps wireless operation rate, your wireless connection is truly improved compared to the 802.11g standard, yet this router can switch compliance with 802.11b/g network devices. Wireless Protected Access (WPA-PSK/WPA2-PSK) and Wired Equivalent Privacy (WEP) features enhance the level of transmission security and access control over your Wireless LAN.

Robust Security and Smooth Data Transmission

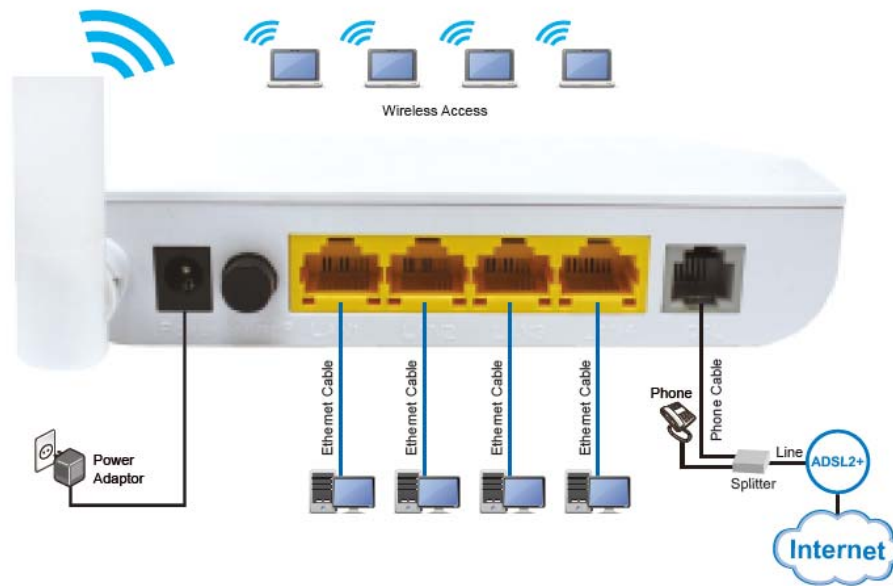
The NAT default firewall has an advanced anti-hacker pattern-filtering protection feature. The packet filtering features provides high-level security for access control. With Stateful Packet Inspection (SPI) feature, the router enables users to determine whether a data packet is allowed to pass through the firewall to the private LAN.

Built-in QoS Engine Enhances Internet Experience

Quality of Service (QoS) gives full control over outgoing data traffic. Priority can be assigned by the router to ensure that important transmissions like gaming packets, VoIP calls or IPTV/streaming content passes through the router at lightning speed, even when there is heavy Internet traffic.



- Based on wireless-N technology, and compliant with IEEE 802.11g and 802.11n standards
- High-speed wireless connection up to 150Mbps
- IPv6 ready
- Wireless-N AP with Wi-Fi Protected Access (WPA-PSK /WPA2-PSK) and Wired Equivalent Privacy (WEP)
- Supports wireless LAN ACL (Access Control List)
- Supports built-in PPPoE
- High speed Internet access with ADSL2/2+; backward compatible with ADSL
- With 4-port Ethernet switches
- Built-in firewall security
- Universal Plug and Play (UPnP)
- Supports Virtual Private Network (VPN) pass-through
- Quality of Service control
- Dynamic Domain Name System (DDNS)
- Supports web management and firmware upgrade
- Supports IPTV application^{*2}



Features & Specifications

ADSL Compliance^{*1}

- Compliant with ADSL standards
 - 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)
- Compliant with ADSL2 standards
 - G.dmt.bis (ITU G.992.3)
 - G.lite.bis (ITU G.992.4)
- Compliant with ADSL2+ standards
 - G.dmt.bis plus (ITU G.992.5)

Network Protocols and Features

- NAT, static routing and RIP-1/2
- Dynamic Domain Name System (DDNS)
- Virtual server and DMZ
- ACL (Access Control List)
- PVC/Ethernet port grouping
- UPnP
- DNS relay
- IGMP multicast and IGMP snooping v1/2

Firewall & Virtual Private Network (VPN)

- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- Packet filtering, MAC filtering, URL filtering, and IP filtering
- VPN pass-through

Quality of Service Control

- QoS prioritization based on IP type of service

IPTV Application^{*2}

- Quality of Service (QoS)
- IGMP multicast and IGMP snooping v1/2

Wireless LAN^{*3}

- Based on wireless-N technology, and compliant with 802.11g, 802.11b standards
- Up to 150Mbps wireless operation rate
- 2.4GHz–2.484GHz frequency range
- 64/128 bits WEP supported for encryption
- Wireless security with WPA-PSK/WPA2-PSK
- Supports TKIP/AES encryption security

ATM and PPP Protocols

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

Operating Environment

- Operating temperature: 0°C - 40°C
- Storage temperature: -40°C - 70°C
- Humidity: 10% - 95% non-condensing

Management

- Web-based configuration, remote management and Telnet management
- Firmware upgrades and configuration data transfers via web-based interface
- Supports Dynamic Host Configuration Protocol (DHCP), and DHCP relay
- Command Line Interface (CLI)
- SSL for TR-069
- SNMP v1/2c and SNMP over EOC
- CWMP (TR-069)^{*3}
- Diagnostic tools

Hardware Specifications

Physical Interface

- DSL: ADSL port
- Ethernet: 4-port 10/100M auto-crossover (MDI/MDI-X) switch
- Factory default reset button
- WPS/Wi-Fi button
- Power jack
- Power switch
- WLAN: 1 fixed antenna

Physical Specifications

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

Power Requirements

- Input: 12V DC, 0.5A

Notes:

- This router may require firmware modification for certain ADSL2+/Annex M DSLAMs.
- IPTV application may require subscribing to IPTV services from a Telco/ISP.
- Actual throughput and performance depends on the environment.
- Only upon request for Telco / ISP Project.
- Specifications on this datasheet are subject to change without prior notice.

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