

802.11g ADSL VPN Firewall Router

QoS, VPN with 3DES Accelerator, 4-port Switch

Securely share your high speed ADSL connection



▲ **BIPAC 7500G**

- 802.11g Wireless AP with WPA Support
- High-speed Internet Access with ADSL up to 12 Mbps
- High Performance VPN Connection with powerful 3DES Accelerator
- Ease of Use with Quick Installation Wizard and Auto-scan ADSL Settings
- Universal Plug and Play (UPnP) Compliant
- SOHO Firewall Security with DoS Prevention and SPI
- Content Filtering and Packet Filtering
- Dynamic Domain Name System (DDNS)
- Available Syslog monitoring
- Traffic Prioritization and Bandwidth Management for QoS Control
- Ideal for Office Users

802.11g Wireless AP with WPA Support

With integrated 802.11g Wireless Access Point in the BIPAC-7500G series, the device offers quick and easy access among wired network, wireless network and broadband connection (ADSL) with single device simplicity. In addition to providing 54 Mbps 802.11g link rate, it can also interoperate with existing 802.11b equipment. The router supports WPA feature, it increases the level of data protection and access control for Wireless LAN.

QoS: The secret to keeping your net connection fast and responsive

QoS gives you full control over which types of outgoing data traffic should be given priority by the router, ensuring important data like gaming packets, customer information, or management information move through the router at lightning speed, even under heavy load. The 7500G's QoS features are configurable by source IP address, destination IP address, protocol, and port. You can throttle the speed at which different types of outgoing data pass through the router, to ensure P2P users don't saturate upload bandwidth, or office browsing doesn't bring client web serving to a halt. In addition, or alternatively, you can simply change the priority of different types of upload data and let the router sort out the actual speeds.

High Performance Virtual Private Network (VPN) Connection

The BIPAC-7500G series support embedded VPN protocols, including PPTP client/server, IPSec (IKE, 3DES and AES) and L2TP within IPSec, for establishing a private encrypted tunnel over the public Internet to ensure transmission security between two or more sites. With built-in DES/3DES accelerator, the router enhances the IPSec VPN performance significantly.

High-speed Internet Access with ADSL

The BIPAC-7500G complies with ADSL and ADSL2 standards for worldwide deployment and supports downstream rates of up to 12 Mbps and upstream rates of up to 1 Mbps. It is designed for office and residential users, enabling high-speed Internet connections.

Ease of Use with Quick Installation Wizard and Auto-scan ADSL Settings

The Web-based Graphic User Interface (GUI) allows easy installation of the BIPAC-7500G series. With this simple wizard and Auto-scan ADSL settings, the end user can enter the necessary ISP information and start surfing the Internet immediately.

SOHO Firewall Security with DoS and SPI

Along with the built-in NAT natural firewall feature, the BIPAC-7500G series also provides advanced hacker pattern-filtering protection. It can automatically detect and block Denial of Service (DoS) attacks. The BIPAC-7500G series are built with Stateful Packet Inspection (SPI) to determine if a data packet is allowed through the firewall to the private LAN.

Feature & Specification

ADSL Compliance

- Compliant with ADSL Standards
 - Full-rate ANSI T1.413 Issue 2
 - G.dmt (ITU G.992.1)
 - G.hs (ITU G.994.1)
 - ADSL over ISDN/U-R2
- Compliant with ADSL2 Standards
 - G.dmt.bis (ITU G.992.3)

Network Protocols and Features

- NAT, static routing and RIP-1/2
- Universal Plug and Play (UPnP) Compliant
- Dynamic Domain Name System (DDNS)
- Virtual Server and DMZ
- SNTP, DNS relay and IGMP proxy
- POP3 (email account checking)

Firewall

- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- Prevent DoS attacks including IP Spoofing, Land Attack, Smurf Attack, Ping of Death, TCP SYN Flooding, etc.
- Packet filtering – port, source IP address, destination IP address, MAC address
- Content filtering – string or domain name detection in URL string

Hardware Specification

Physical Interface

- WLAN: antenna
- WAN: ADSL port
- Console: PS2
- LAN: 4-port 10/100M auto-crossover (MDI/MDI-X) Switch
- Factory default reset button
- Power jack
- Power switch
- WLAN: antenna

Physical Specification

- Dimensions: 8.26" x 5.79" x 1.46"
(210mm x 147mm x 37mm)

Power Requirement

- Input 12VDC, 1A

Wireless Security (WEP, WPA)



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)
- Classical IP over ATM (RFC 1577)
- MAC Encapsulated Routing (RFC 1483 MER)
- OAM F4/F5

Virtual Private Network (VPN)

- Embedded IPSec & PPTP client/server
- IKE key management
- DES, 3DES and AES encryption for IPSec
- Embedded powerful 3DES accelerator
- MPPE Encryption for PPTP
- L2TP within IPSec
- L2TP/PPTP/IPSec pass-through

Management

- Quick Installation Wizard and Auto-scan ADSL settings
- Web-based GUI for remote and local management
- Firmware upgraded and configuration data upload and download via Web-based GUI
- Embedded Telnet server for remote and local management
- Available Syslog monitoring
- SNMP v3, MIB-I and MIB-II support
- Support DHCP server/client/relay

QoS Control

- LAN to WAN traffic prioritization and bandwidth management
- Traffic prioritization and bandwidth management based-on IP protocol, port number and address

Wireless 802.11g

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

Operating Environment

- Operating temperature: 0 ~ 45°C
- Storage temperature: -20 ~ 70°C
- Humidity: 20 ~ 95% non-condensing

Specifications are subject to change without notice.

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