

BIPAC 7402

ADSL2+ VPN Firewall Router with 3DES Accelerator



- Express Internet Access, capable of ADSL2/2+
- Ease of Use with Quick Installation Wizard and Auto-scan ADSL Settings
- With powerful 3DES accelerator, VPN throughput with 3DES is up to 3.5 Mbps
- Universal Plug and Play (UPnP) Compliant
- SOHO Firewall Security with DoS Prevention and SPI
- Parental Control with URL 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

Express Internet Access - capable of ADSL2/ADSL2+

BIPAC 7402 complies with ADSL worldwide standard. It supports basic downstream rate of 8Mbps with ADSL, capable up to 12/24 Mbps with ADSL2 / ADSL2+, and upstream rate up to 1 Mbps. Users enjoy not only high-speed ADSL services but also wider range of broadband multimedia applications such as interactive gaming, video streaming and real-time audio much easier and faster than ever.

Fast and Responsive Net Connection

Quality of Service (QoS) gives users the full control over which type of outgoing data traffic 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 transmission speed can be throttled both inbound and outbound data passed through the router to ensure P2P users not to saturate uploading bandwidth, or office browsing not bring client web serving to a halt. In addition, the priority type of upload data can be changed in order to let the router sort out the actual speeds.

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 7402. 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 router also provides advanced hacker pattern-filtering protection. It can automatically detect and block Denial of Service (DoS) attacks. The router is built with Stateful Packet Inspection (SPI) to determine if a data packet is allowed through the firewall to the private LAN.

Virtual Private Network (VPN)

The router supports embedded VPN protocols, including PPTP client/server, IPSec (IKE, powerful 3DES accelerator 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.

Feature & Specification

ADSL Compliance

- Compliant with ADSL Standard
 - Full-rate ANSI T1.413 Issue 2
 - G.dmt (ITU G.992.1)
 - G.hs (ITU G.994.1)
 - ADSL over ISDN/U-R2
- Capable of ADSL2 Standard
 - G.dmt.bis (ITU G.992.3)
- Capable of ADSL2+ Standard
 - G.dmt.bisplus (ITU G.992.5)

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
- URL Content Filtering - string or domain name detection in URL string

Quality of Service Control

- Support DiffServ approach
- Traffic prioritization and bandwidth management
- based-on IP protocol, port number and address

Hardware Specification

Physical Interface

- WLAN: antenna (7402W only)
- WAN: ADSL port
- LAN: 4-port 10/100M auto-crossover (MDI/MDI-X) Switch
- Console: PS2
- Factory default reset button
- Power jack
- Power switch

Physical Specification

- Dimensions: 7.32" x 5.04" x 1.81"
(186mm x 128mm x 46mm)

Power Requirement

- Input: 12V DC, 1A



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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
- Firmware upgradeable to ADSL2/ADSL2+ standards
- Embedded Telnet server for remote and local management
- Available Syslog monitoring
- SNMP v3, MIB-I and MIB-II support
- Support DHCP server/client/relay

Operating Environment

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

Specifications are subject to change without notice.

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