

BIPAC 7100SV

ADSL Modem / Router with VoIP Firewall, with Single Ethernet Port



- Cost-effective VoIP Calls
- Allow users to surf the Internet and talk on the phone simultaneously
- High-speed Internet Access with ADSL
- Ease of Use with Quick Start Setup
- Universal Plug and Play (UPnP) Compliant
- SOHO Firewall Security with DoS Prevention and Packet Filtering
- Dynamic Domain Name System (DDNS)
- Ideal for Residential Users

Cost-effective VoIP calls

The router supports cost-effective, toll-quality voice calls over the Internet. Complied with the most popular industrial standards, SIP protocol, it ensures the interoperability with major VoIP Gateways. The VoIP ADSL router supports call waiting, call transfer, call forward, mid-call DTMF, silence suppression, voice activity detection (VAD), comfort noise generation (CNG), line echo cancellation, caller ID (Bell 202, V23) and so on. In addition, the device will automatically fallback to lifeline POTS for emergency calls when power outages.

High-speed Internet Access with ADSL

The router complies with ADSL standards for worldwide deployment and supports downstream rate of up to 8Mbps and upstream rate of up to 1Mbps. It is designed for small office, home office and residential users, enabling high-speed Internet connections. User can enjoy ADSL services and broadband multimedia applications such as interactive gaming, video streaming and real-time audio much easier and faster than ever before.

Ease of Use with Quick Start Setup

The Quick Start setup allows easy installation of the router. With this simple Quick Start setup, end users can enter the necessary ISP information and start surfing the Internet immediately.

SOHO Firewall Security

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, such as IP Spoofing, Ping of Death, Land Attack, etc.

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
- Sync. Rate: up to 8Mbps for download rate and 1Mbps for upload rate

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

Firewall

- Built-in NAT firewall
- 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

Specification

Physical Interface

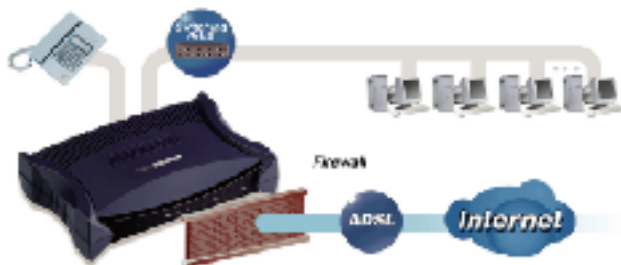
- WAN: ADSL port
- Telephone: 1-port FXS
- LAN: 10/100Mbps auto-crossover Ethernet port
- Factory default reset button
- Power jack
- Power switch

Physical Specification

- Dimensions: 7.09" x 4.72" x 1.57"
(180mm x 120mm x 40mm)

Power Requirement

- Input: 12VDC, 1.2A



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)
- OAM F4/F5

Management

- Ease of use with Quick Start setup
- Web-based GUI for remote and local management
- Firmware upgraded via Web-based GUI and FTP/TFTP
- System & intrusion detection log
- Support DHCP server/client/relay
- Diagnostic test utility

VoIP

- Compliant with SIP standard (RFC3261)
- Supports G.711 A/μ law and G.729A Audio Codec standards
- Supports call waiting, call transfer, call forward, mid-call DTMF, silence suppression, voice activity detection (VAD), comfort noise generation (CNG), line echo cancellation, caller ID (Bell 202, V23)
- One RJ-11 FXS port for connecting to regular telephones
- Adaptive jitter buffer support
- Automatic fallback to lifeline POTS during power outages

Operating Environment

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

Specifications are subject to change without notice.

Billion Electric Co., Ltd.

8F, No.192, Sec.2, Chung Hsing Road,
Hsin Tien City, Taipei Hsien, Taiwan

TEL : +886-2-2914-5665

FAX : +886-2-2918-6731,+886-2-2918-2895

E-mail : sales@billion.com

www.billion.com