

BiGuard 10

iBusiness Security Gateway Small-office

BiGuard 10 is a rack-mountable device integrated with cutting-edge security technology including VPN and Firewall that enable you to connect your network to the Internet securely without worrying about intruders' attacks. This security gateway is perfectly designed for small offices requiring application-based network solutions with low-capital investment to communicate with headquarters and mobile workers. Robust VPN functions support office users to create remote access of multiple site-to-site encrypted private connections over the public Internet. The complete firewall features are built in to protect your network from intruders and Internet attacks. With the growing demand for Voice over IP and multimedia applications such as video broadcasting from SMB and SOHO users, the device features SIP pass-through and IGMP Snooping to facilitate the needs. The Quality of Service feature ensures a smooth net connection for inbound and outbound data with minimal traffic congestion. A rich-featured set in one compact unit makes BiGuard 10 the best and most affordable choice for small offices.



▲ BiGuard 10

- Supports up to 10 IPSec VPN connections
- IPSec VPN performance is up to 20 Mbps+
- Supports up to 4 PPTP VPN connections
- PPTP VPN throughput is up to 10 Mbps
- SIP pass-through for Voice over IP protocol
- Robust Firewall security to protect office network
- E-mail alert and logs of attack
- Policy-based bandwidth management
- Quality of Service (QoS) control
- DMZ support for public servers to be visible to the outside world
- Easy-to-use Web interface for administrator to manage network security
- Rack-mounted support
- Supports IPTV application*
- Ideal for small and medium sized business

Benefits

Virtual Private Network Support

BiGuard 10 supports comprehensive and robust IPSec & PPTP VPN protocols for business users to establish private encrypted tunnels over the public Internet to ensure that data is transmitted securely among multiple sites, such as branch office or remote dial-up. The VPN feature supports up to 10 simultaneous IPSec VPN connections with throughput up to 20 Mbps+, and 4 simultaneous PPTP VPN connections with throughput up to 10 Mbps.

Rich Firewall Security to Protect Your Network

BiGuard 10 is an intelligent broadband sharing gateway with integrated firewall protection, while simultaneously offering features such as Stateful Packet Inspection (SPI), Denial of Service (DoS) Prevention and Filtering. Built with Stateful Packet Inspection (SPI), the router enables users to determine whether or not a given data packet is allowed to pass through the firewall to the private LAN. The SPI feature protects against hackers' attacks from Denial of Service to allow private LAN connected to the Internet. Furthermore, the firewall function provides e-mail alert service to notify you whenever attacks occur.

Traffic Prioritization and Bandwidth Management

The Quality of Service (QoS) feature helps users to manage the bandwidth and prioritize data transfer effectively. It gives one full control over the traffic of any type of data, ensuring important data and bandwidth-consuming applications such as video conferencing, customer information or FTP sharing, can move through the router at instantaneous speed, even when under heavy tasking. The speed for inbound and outbound data passed through the router can be controlled to ensure that users do not saturate the bandwidth with their browsing activities.



Features & Specifications

Virtual Private Network

- IPSec VPN, support up to 10 IPSec tunnels
- IPSec VPN performance is up to 20 Mbps+
- PPTP VPN, support up to 4 PPTP tunnels
- PPTP VPN performance is up to 10 Mbps
- Manual key, Internet Key Exchange (IKE) authentication and Key Management
- Authentication (MD5 / SHA-1)
- DES/3DES encryption
- AES 128/192/256 encryption
- IP Authentication Header (AH)
- IP Encapsulating Security Payload (ESP)
- IPSec VPN Concentrator
- Dynamic IPSec VPN support
- IPSec NAT Traversal (IPSec NAT-T)
- IPSec DPD (Dead Peer Detection)
- Supports remote access and office-to-office IPSec Connections
- PPTP Server
- Netbios over VPN

Firewall

- Stateful Packet Inspection (SPI) and Denial of Service (DoS) prevention
- Packet filter un-permitted inbound (WAN)/outbound (LAN) Internet access by IP address, port number and packet type
- E-mail alert and logs of attack
- MAC Address Filtering

Content Filtering

- URL Filter settings prevent user access to certain keyword/domain on the Internet
- Java Applet/Active X/Web Proxy/Surfing of IP Address/Cookie Blocking

Quality of Service Control

- Supports the DiffServ approach
- Traffic prioritization and bandwidth management based-on IP protocol, port number and address
- Policy control based on IP address or MAC address

Web-Based Management

- Easy-to-use WEB interface
- Smart VPN setup wizard
- Firmware upgrade via WEB interface
- Local and remote management via HTTP & HTTPS

Network Protocols and features

- System Log
- PPPoE, PPTP, Big Pond and DHCP client connection to ISP
- NAT, static routing and RIP-2
- Dynamic Domain Name System (DDNS)
- Virtual Server and DMZ
- DHCP Server
- NTP
- SMTP Client
- SNMP
- SIP Pass-through
- IGMP snooping & IGMP Proxy
- Port based VLAN Bridge mode
- Multiple NAT (Multiple LAN & Multiple WAN)

IPTV Application*

- IGMP Snooping
- Virtual LAN (VLAN)
- Quality of Service (QoS)

Hardware Specification

Physical Interface

- Ethernet WAN 1 port (10/100 Base-T, MDI/MDIX)
- Ethernet LAN 8 ports (10/100 Base-T, MDI/MDIX)

Physical Specification

- Dimensions: 19" x 6.54" x 1.65" (482mm x 166 mm x 42mm)

Power Requirement

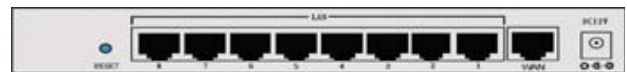
- Input: 12V DC, 1A

Operating Environment

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

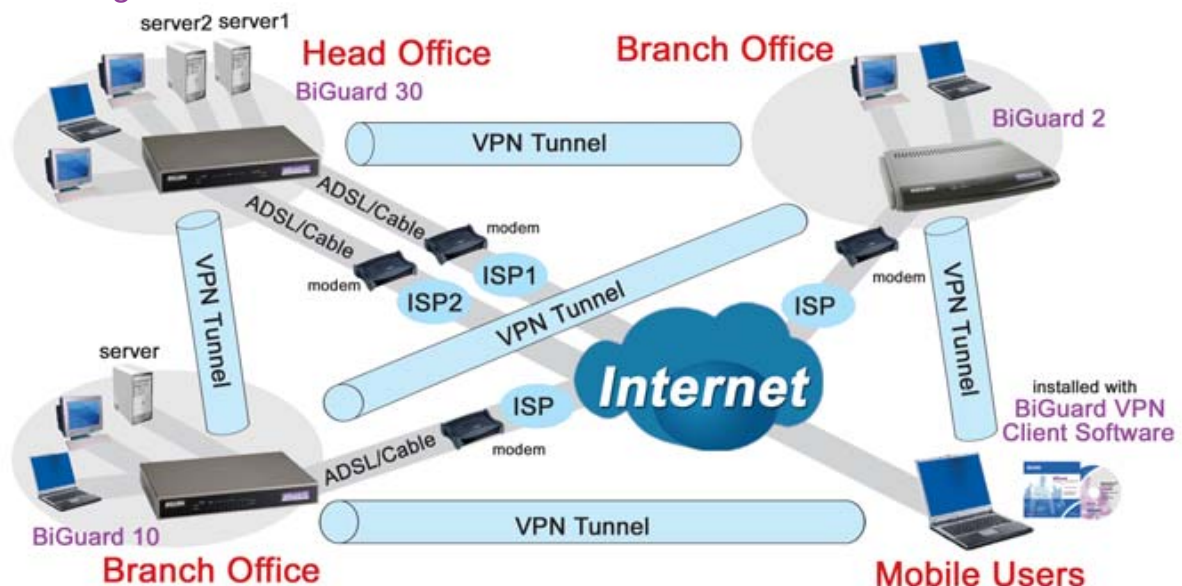


▲ BiGuard 10 Front Panel



▲ BiGuard 10 Rear Panel

Application Diagram



Billion Electric Co., Ltd.

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

TEL : +886-2-2914-5665

FAX : +866-2-2918-6731,+886-2-2918-2895

E-mail : sales@billion.com

* Note:

1. IPTV application may require subscribing to IPTV services from a Telco/ISP.
2. Specifications in this datasheet are subject to change without prior notice.