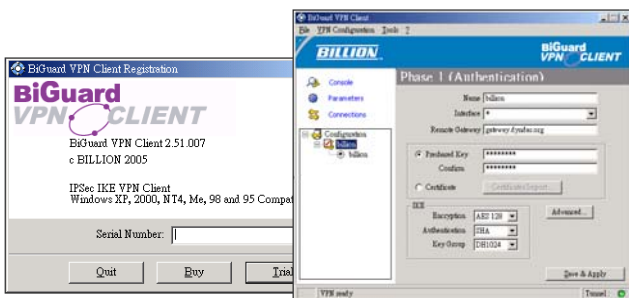


BiGuard C01

BiGuard IPsec VPN Client Software

BiGuard IPsec VPN Client Software is a window-based software that is implemented with IPsec VPN solution for mobile work force to establish a secure connection over the Internet to access to the corporate network from a remote site. Mobile users can encrypt and store VPN tunnel configuration and VPN security elements in a portable USB Stick, making it easy to use anywhere. The distance between the head office and mobile workers is just 'plug-in an USB Stick' away.



BiGuard C01 BiGuard IPsec VPN Client Software 1-user License

- Use USB Stick to store VPN Security Elements (network, key, certificates...)
- IPsec VPN Tunneling with DES/3DES/AES Encryption
- Internet Key Exchange (IKE) for User Authentication
- Supports Windows 2000, Server 2003, XP, Vista 32-bit, Vista 64-bit
- Supports Billion's VPN-enabled router products, such as BiGuard series, BiPAC 85xx series, BiPAC 75xx series, and BiPAC 74xx series
- Ideal for Telecommuters and Office Users

Benefits

Portability and Scalability

An USB Stick is an USB flash drive with the size of your car key, in which a user is allowed to encrypt and store VPN tunnel security elements such as certificates, Preshared key, etc. Just plug an USB stick in your PC and open configured tunnels. No tunnel can be opened without an USB stick! A client-user can bring an USB Stick to plug in a PC anywhere to set up a VPN tunnel. The USB Stick adds another layer of security and convenience. It facilitates efficient and affordable solution for users at all sizes of projects.

User Friendly

The window-based interface of BiGuard IPsec VPN Client makes itself user-friendly. It's easy to install, easy to configure and read by using a configuration Wizard and gateways-configuration-guides that help users to create VPN connections just in three steps.

Robust Security

BiGuard IPsec VPN Client supports a wide range of tunneling protocols and authentication such as full IPsec support, Data Encryption Standard (DES), 3DES and Advanced Encryption Standard (AES). It also supports full Internet Key Exchange (IKE - Main mode and Aggressive mode); Message-Digest Algorithm (MD5), and Secure Hash Algorithms (SHA). Peer-to-Peer mode can be used to securely connect branch office servers to the corporate information system.

Management Options

Configuration and parameters can be stored in a single file. Thus, deploying BiGuard VPN Client is as easy as copying a file. Moreover, a number of management tools allow administrators to control when and how BiGuard VPN Client should run.

Comprehensive Compatibility

BiGuard C01 provides secure access to the corporate network via wireless, broadband, and dial-up connections. It is utilized to support Billion's BiGuard series, BiPAC 85xx series, BiPAC 75xx, BiPAC 7402, BiPAC 7402G and other VPN enabled devices. The VPN Client software supports windows version from Win 98, Me, NT, Win 2000, to Win XP (including SP2).

Features & Specifications

Hash Algorithms

- MD5-HMAC 128 bit authentication
- SHA1-HMAC 160 bit authentication

Encryption

- DES-CBC 56 bit encryption
- 3DES-CBC 168 bit encryption
- AES 128, 192, 256 bit encryption

Diffie Hellman Group Support

- Group 1: MODP 768
- Group 2: MODP 1024
- Group 5: MODP 1536
- Group 14: MODP 2048

Authentication Mechanism

- Preshared Key
- X.509 Certificate support (PEM)
- X-Auth
- SmartCard & Token

Certificate

- Flexible Certificate Support (PEM, PKCS12...)

Key Management

- ISAKMP (RFC2408)
- IKE (RFC2409)

IKE & IPsec Mode

- ESP, Tunnel, Transport
- Main, Aggressive, Quick
- Hybrid Authentication Method

Peer to Peer

- Peer-to-Peer connections
- Accept incoming IPsec Tunnels

Connection Technologies

- DSL, dial-up modem, GPRS-Edge-3G
- Ethernet, PCMCIA cards, WIFI

Networking

- NAT traversal (Draft 1,2 &3) allow IPsec connection through a NAT device
- NAT keep alive, Payload NAT_OA, IP address emulation
- Multi tunneling to several Gateways
- Main mode & aggressive mode
- Forced NAT-T
- Dead Peer Detection (DPD) support
- Manual config-mode in case remote gateway doesn't support config-mode
- DNS and WINS resolutions supported

Connection Technologies

- Redundant gateway when primary is down or not responding. Use of DPD for fail over

Blocking capabilities

- "IPsec only" traffic filtering
- Can block all other connection than the VPN connections

Management Options

- Client configuration in hidden mode
- Set of command lines to make easier deployment and management
- Capability to start before logon
- Launch script when tunnel open

USB Stick mode

- All formats supported (SD, MMC...)
- Auto close, Auto open IPsec tunnels when plug in or remove USB Stick
- Security Elements (e.g. network configuration, shred key, certificates...) cannot be used on other computers

Supported Platforms

- Windows 2000, 2003, XP, Vista 32-bit, Vista 64-bit

Supported Billion's devices

- Billion's VPN-enabled devices:
BiGuard series, BiPAC 85xx series, BiPAC 73xx series, BiPAC 74xx series

How the "Auto-open VPN tunnel" feature works?

- Plug in your USB Stick
- The "Auto-open VPN Tunnels when plug in" feature of the VPN Client will decrypt security elements from the USB Stick and open configured tunnels.

An USB Stick is an USB flash drive at the size of your car key. All formats work (e.g. SD, MS, SM, MMC, CF). You can buy USB Sticks in any electronic retail stores.



Billion Electric Co., Ltd.

8F, No. 192, Sec. 2, Chung Hsing Road,
Hsin Tien City, Taipei County, Taiwan
TEL: +886-2-29145665
FAX: +886-2-29186731, +886-2-29182895

www.billion.com

Specifications in this datasheet are subject to change without prior notice.

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