

### DigiSAFE Secure VPN Suite

The Internet-driven economy today is driven by the ability to share, process and assimilate information in the shortest time at the lowest costs. DigiSAFE BigBouncer and NetProtect forms a state-of-the-art security and management solution that allows you to fully leverage the Internet to share and expand your company's IT assets. The DigiSAFE VPN suite securely delivers to your users the information that enable them to be productive anywhere anytime.



DigiSAFE VPN suite combines standard-based tunneling, encryption and firewall technologies with user-friendly management tools to provide a scalable and cost-effective solution.

#### Leverage Remote Access

The traveling executive and home-office worker have become the mainstays in the evolving structure of today's internet-enabled organisations. The challenge today is to provide these users with secure access to the company IT resources cost effectively so that they can remain productive where every they go.

#### Transparent Access

DigiSAFE VPN suite facilitates secure communications in a variety of environments to suit your needs, including network-to-network, desktop-to-desktop, mobile client-to-gateway and even dial-up connections from home offices and on the road.

#### Lower Communication Costs

DigiSAFE VPN suite gives you the ability to build a Virtual Private Network based on public networks like the Internet. Cost savings can be immediately realized by replacing long-distance private leased circuits with local Internet access.

#### Easy to Manage

Designed to integrate seamlessly into existing network, the DigiSAFE VPN suite does not require any changes to the user applications. Through the GUI-based Policy Manager, the security administrator picks the level of security to be enforced on a tunnel-by-tunnel basis. The Policy Manager also allows authorized administrators and operators to control multiple BigBouncer VPN-Firewalls remotely with ease.

#### Military-Strength Encryption

DigiSAFE VPN suite uses the strongest encryption algorithm available in the market. It is delivered standard with 168-bit Triple-DES and 128-bit SAFER-SK128 for traffic encryption. The key-exchange mechanism incorporates Diffie-Hellman/RSA public key algorithms with up to 2048-bit key length.

#### Centralized Management

The Policy Manager allows you to define and deploy a VPN-wide security policy from a single console. NetProtect Clients and BigBouncer VPN-Firewall configurations can be modified and updated remotely without time-consuming site visits.

## BigBouncer : VPN Firewall

The BigBouncer is an easy-to-install, secure and high-performance integrated VPN firewall appliance that takes the headache out of network security. It enforces access security through IP filtering, application proxy and stateful inspection.

As a Virtual Private Network gateway, it secures and authenticates IP packets entering the protected network. Armed with hardware cryptographic acceleration, the BigBouncer does not form a network bottleneck as it provides up to 50Mbps 3DES throughput\*.

### Access Control Firewall

BigBouncer VPN-Firewall supports over 100 pre-defined applications, services and protocols out-of-the-box. Support is provided for all major Internet services, including secure Web browsers, classic Internet applications (e.g. SMTP, FTP, Telnet, etc.), the entire TCP family, RPC, UDP-based connectionless protocols

### Application Transparent

Although many applications are web-enabled, business critical data continues to reside on legacy and custom applications that are not “webified”. BigBouncer supports all IP-based applications without modifications, which include legacy hosts, Web servers, custom corporate and emerging object-based applications. This provides corporations with the ability to leverage their existing and future application investments.

### Infrastructure Independent

DigiSAFE BigBouncer VPN-Firewall is compatible with almost any existing firewall and most application encryption and authentication methods, proxy servers and user databases. A comprehensive list of network features allows the BigBouncer to be deployed easily, e.g. support for virtual IP, NAT traversal, reverse ARP, built-in dynamic NAT, DHCP server, etc. This ability to seamlessly integrate into existing security or network infrastructures makes it easy for corporations and their business partners to select “the best of breed” technologies that address their specific business, networking and security needs.

\* *BigBouncer 450*

## Specifications

### Network Ports

- 2 x Ethernet 10/100 Mbps
- Additional port either Ethernet 10/100 Mbps or WAN port (T1/E1/ISDN)

### Network Protocol

- TCP/IP

### Performance

- Throughput (TTCP throughput using 3DES)
  - BigBouncer 80: 10Mbps
  - BigBouncer 450: 50Mbps

### Virtual Private Network

- IPSec AH and ESP
- IKE: Oakley/ISAKMP
  - Main, Aggressive, Quick
- DES (56 bit), Triple-DES (168 bit); SAFER SK-128
- HMAC-MD5, HMAC-SHA1
- X.509v3 certificate support

### Firewall

- Stateful-inspection
- Static/Dynamic NAT/PAT
- Packet filtering
  - Based on user ID, Protocol, source IP/port, destination IP/port

### Electrical & Mechanical

- Dimension: 2U/1U 19" equipment rack mount
- Mains: 110/230VAC 50/60Hz

# NetProtect : IPSec Client

The NetProtect IPSec Client is a smart software that end-user support headaches with its zero-effort installation feature. The Client software is designed to work transparently on the Windows 95/98/2000/XP platforms.

### Multiple Profiles

Need to dial-up from both home and on-the-road? NetProtect Client allows you to define multiple connection profile, each with a different VPN configuration. This flexible feature will enable you to configure your client workstation to connect to the VPN gateway through different access conduits easily, e.g. cable modem, hotel internet connections.

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## Specifications

### OS Supported

- Windows 95/98, Win 2000/XP

### Network cards supported

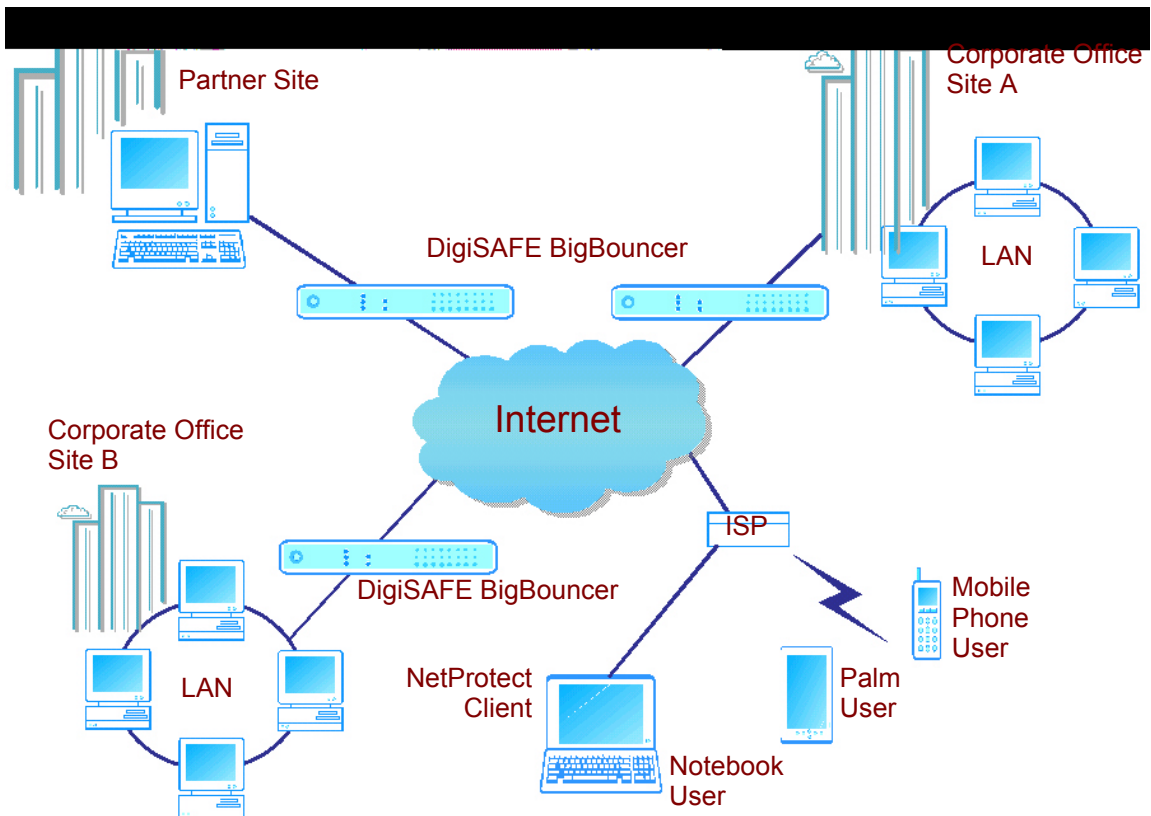
- Ethernet 10/100 Mbps (Req NDIS ver 3.0 & above)
- Dial-up adapters
- Wireless Ethernet

### Network Protocol

- TCP/IP

### Virtual Private Network

- IPSec AH and ESP
- IKE: Oakley/ISAKMP
  - Main, Aggressive, Quick
- DES (56 bit), Triple-DES (168 bit), SAFER SK-128
- HMAC-MD5, HMAC-SHA1



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