What's Unique About Billion's SSL VPN Series

Seamless - Everywhere

Speeds that make you forget where you are

- Powerful Gigabit Dual-WAN connectivity
- Wide range of comprehensive SSL VPN connections
- Wide range of supported browsers, operating systems, and platforms

Everything Just Clicks Away

Secure

- Supports various user authentications
- End Point Security and host security checking
- SSL encryption and IPSec VPN security

Easy

- Clientless access
- Personalized web portal
- Fit into existing network environments

All in One Box

- SSL VPN gateway with integrated IPSec VPN, router and firewall functions
- Deployment diversity for remote Intranet access, Internet access, file sharing, and data protection

---

Honors and Awards

"The S20 offers a fine range of SSL VPN features for the price, along with a very affordable OTP solution."

- PC PRO Magazine, UK

- -

"The S20 shows that SSL VPNs are the way forward for providing secure access to the LAN for remote workers. For the price, it offers a lot of useful feature for smaller businesses and the optional OTP solution makes it even more versatile."

- TrustedReview.com, UK

- -

"Perfectly designed to satisfy the needs of most of nowadays companies"

- Dealer World Magazine, Spain

- -

"Scored superior in all categories"
"Easy to use, well put together, free support and superior documentation make this offering our Best Buy"

- SC Magazine, UK

- -

This Billion VPN is a great example of the new technology wave"

- APC Magazine, Australia

- -

"…The BiGuard is impressive in its simplicity and well priced for a small business user."

- CRN Magazine, UK

Customer Testimonials

"Billion delivers quality products at a reasonable price. We have achieved the large scale advantages and improved the productivity."

- Søren Scheller, IT manager, BO-VEST, Denmark

- -

"Functions, performance, and cost were key factors in the purchase decision of BiGuard S20 SSL VPN Security Gateway,"

- David Lin, Assistant Manager of IT Department, Howin Technologies Corp., Taiwan

- -

"Biguard S20 gave us the ability, without any administration effort, to create our portal and access our applications behind it in a snap! "

- Vitor Dinis, CiberSur Lda., Portugal

- -

"I find the product helpful to our needs…"

- Yair Wellner, Galcon, Israel

- -

"Great product and good value."

- Dave Coopey, Orphic Systems Ltd, UK

- -

"Fast, stable, and reliable" "Powerful, and full-featured firewall, router, and SSL gateway"

- Mark D. Schnittman, Ample Contracting, Inc., USA

- -

"I am an owner of the Billion BiGuard S10 and I am very satisfied. … My conclusion is that this is an excellent product!"

- Per Arne Bakken, Norway

Specification Matrix of BiGuard SSL VPN Series

Product Models		BiGuard S6000	BiGuard S3000	BiGuard S100N	BiGuard S20	BiGuard S10	BiGuard S5
Recommended Organization		Medium-sized enterprises with 500 to 1,000 employees	Small and medium sized businesses with 200 to 500 employees, or enterprise departments	Small offices and SMBs with employees from 50 to 200	Small offices and SMBs with employees from 50 to 200	Small offices and SMBs with employees from 50 to 150	Small organizations to manage remote Intranet access and seek a solution of minimal IT investment
Connections	Simultaneous IPSec VPN Connection	30	30	10	30	10	
	Simultaneous SSL VPN Connection	50 (Option to 200)	10 (Option to 50)	10 (Option to 30)	20	10 (Option to 20)	5 (Option to 20)
	NAT Session	120,000	80,000	25,000	10,000	10,000	10,000
Physical Interface	10/100Mbps LAN Port	-	-	-	8 (1 port configurable as DMZ)	4 (1 port configurable as DMZ)	4 (1 port configurable as DMZ)
	10/100/1000Mbps LAN Port (Giga LAN)	8 (1 port configurable as DMZ)	8 (1 port configurable as DMZ)	4 (1 port configurable as DMZ)	1	-	-
	10/100Mbps WAN Port	-	-	-	2	1	1
	10/100/1000Mbps WAN Port (Giga WAN)	2	2	1	-	-	-
	Wireless Antenna	-	-	3 x Detachable antenna	-	-	-
	Serial Port (DB9 Male)	1	1	-	1	-	-
	Console Port (DB9 Female)	1	1	-	(DB9 Male)	-	-
	USB Port	2	2	1	-	-	-
System	Router Functions	V	V	V	V	V	V
	Firewall	V	V	V	V	V	V
	Multi-language Support	V	V	V	V	V	V
Wireless	Wireless	-	-	802.11n	-	-	-
	Wireless NAC (Network Access Control)	-	-	V	-	-	-
	SSL over Wireless Connection	-	-	V	-	-	-
	Dynamic Account Generation	-	-	V	-	-	-
Application Support	Terminal Services, VNC, SSH, Telnet, HTTP/HTTPS Proxy	V	V	V	V	V	V
	Citrix Support	V	V	V	V	V	V
	Microsoft IIS NTLM Support	V	V	V	V	V	V
	PDA Support	V	V	V	V	V	V
	Network Extender Policy	V	V	V	V	V	V
	Standalone Client Software	V	V	V	V	V	V
Operation System Support	Mac OS Support	V	V	V	V	V	V
	Vista OS Support	V	V	V	V	V	V
Account Management	AD/LDAP Accounts Import	V	V	-	-	-	-
	SSL Group Account Settings	V	V	V	V	V	V
Security	Host Checking	V	V	V	V	V	V
	OTP (One Time Password)	V	V	V	V	V	V
	End Point Security (EPS)	V	V	V*	-	-	-
Networking Management	QoS	V	V	V	V	V	V
	Multiple DDNS	V	V	V	V	V	V
	Port-based VLAN	V	V	-	-	-	-
	High Availibility	V	V	-	-	-	-
	Auto Fail-over	V	V	-	V	-	-
	Load Balancing	V	V	-	V	-	-

*Notes:
1. Please refer to http://www.billion.com/product/biguard/sslvpnbrowser.htm for updates of all supported browsers and OS platforms.
2. Users are strongly recommended to register the products on www.biguard.com in order to be able to use the update feature and firmware upgrades as well as InstantChat Support 8x5 and 24x7 Service. These services are only available for BiGuard S3000/S6000.
3. Future release
4. All the specifications are subject to change without prior notice.

Everything Just Clicks Away

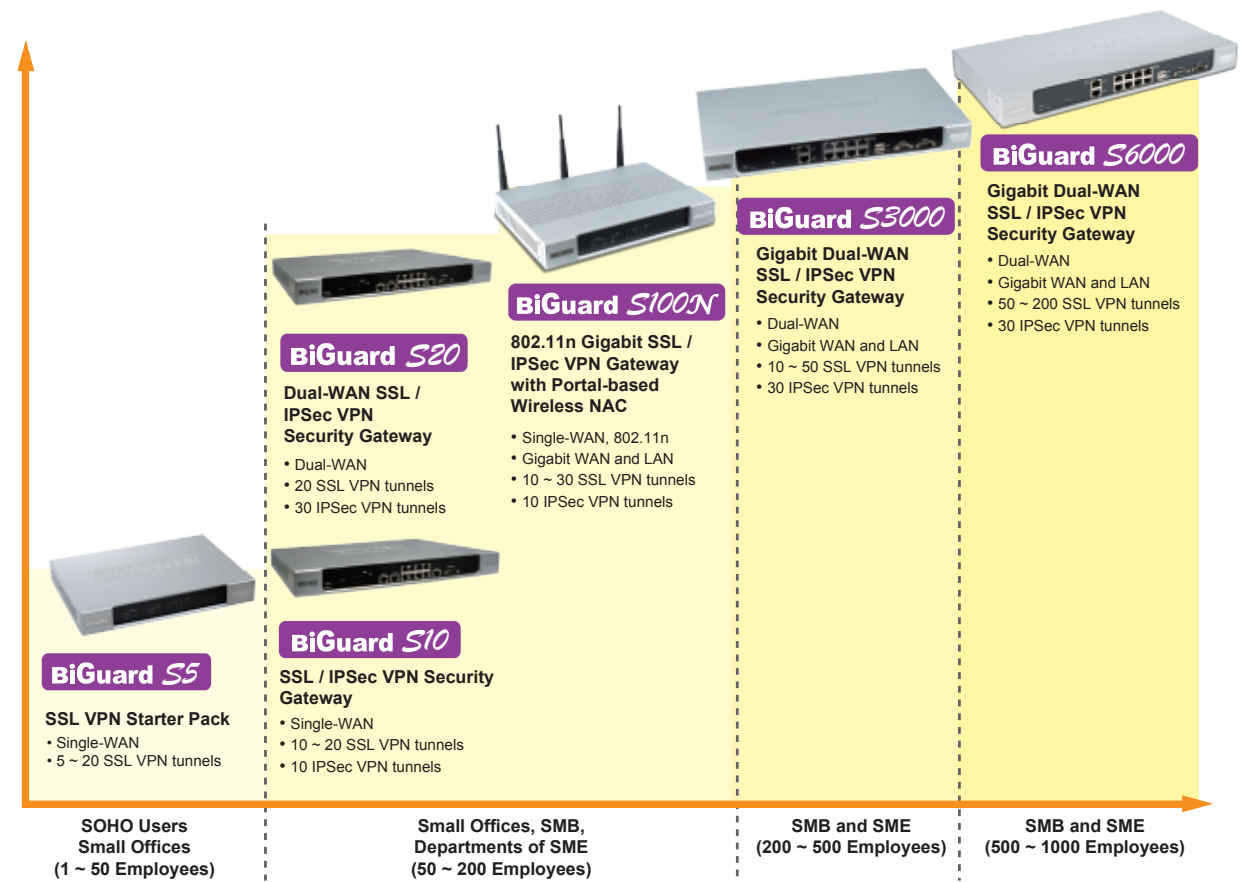## BiGuard SSL VPN Security Appliances Series

- SSL VPN gateway plus solid router functions
- Network / Transport Extender
- Application Proxy
- Network Places
- Green Smart Power Saving
- 802.11n up to 300Mbps
- Wireless NAC (Network Access Control)
- High Availibility (HA)
- End Point Security (EPS) checking
- Host security checking
- Firewall security
- Microsoft Windows Mobile 5.0 / 6.0 compatible
- Wake On LAN (WOL)
- Data encryption and user authentication
- Supports Citrix
- Supports ERP applications
- Windows / Linux / Macintosh support
- Mobile devices support
- Hardware DMZ support
- Granular access policy management
- Personalized web portal
- Quality of Service

Powering communications with **Security**

Comprehensive SSL VPN Solutions

BiGuard *S6000*
Gigabit Dual-WAN SSL / IPSec VPN Security Gateway
• Dual-WAN
• Gigabit WAN and LAN
• 50 ~ 200 SSL VPN tunnels
• 30 IPSec VPN tunnels

BiGuard *S3000*
Gigabit Dual-WAN SSL / IPSec VPN Security Gateway
• Dual-WAN
• Gigabit WAN and LAN
• 10 ~ 50 SSL VPN tunnels
• 30 IPSec VPN tunnels

BiGuard *S100N*
802.11n Gigabit SSL / IPSec VPN Gateway with Portal-based Wireless NAC
• Single-WAN, 802.11n
• Gigabit WAN and LAN
• 10 ~ 30 SSL VPN tunnels
• 10 IPSec VPN tunnels

BiGuard *S20*
Dual-WAN SSL / IPSec VPN Security Gateway
• Dual-WAN
• 20 SSL VPN tunnels
• 30 IPSec VPN tunnels

BiGuard *S10*
SSL / IPSec VPN Security Gateway
• Single-WAN
• 10 ~ 20 SSL VPN tunnels
• 10 IPSec VPN tunnels

BiGuard *S5*
SSL VPN Starter Pack
• Single-WAN
• 5 ~ 20 SSL VPN tunnels

SOHO Users Small Offices (1 ~ 50 Employees)	Small Offices, SMB, Departments of SME (50 ~ 200 Employees)	SMB and SME (200 ~ 500 Employees)	SMB and SME (500 ~ 1000 Employees)

Options for Business Growth

1 Billion Support Subscription Services

● **Billion*Care* 8x5** *
 - Feature and Firmware Upgrades *
 - Advanced Hardware Replacement *
 - Instant*Chat* Support 8x5 Service *

● **Billion*Care* 24x7** *
 - Feature and Firmware Upgrades *
 - Advanced Hardware Replacement *
 - Instant*Chat* Support 24x7 Service *

● **Feature and Firmware Upgrades** *
● **Instant*Chat* Support 8x5 Service** *
● **Instant*Chat* Support 24x7 Service** *

* Available for BiGuard S3000 and BiGuard S6000

2 BiGuard SSL VPN Tunnel Upgrades
• Increases more SSL VPN tunnels by upgrading existing devices
• Flexibility and wide range of tunnel upgrades

3 BiGuard One-Time Password
• One-time password for multiple applications
• Event-based algorithm token
• Strong two-factor authentication

4 BiGuard Central Management System
• Scheduled upgrade & configuration backup
• Remote configuration
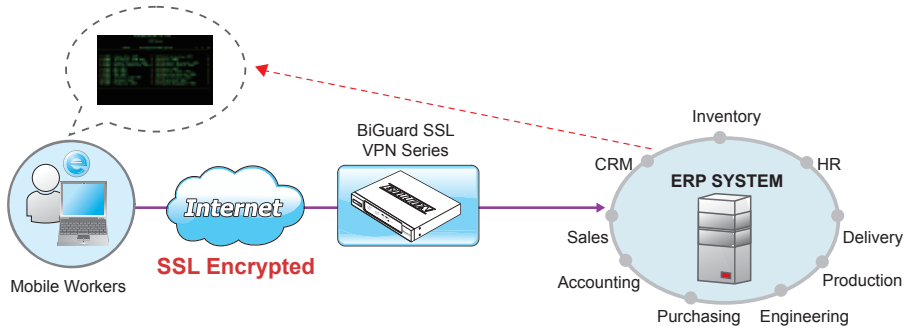• Database backup & restoration

---

Applications over SSL VPN

Billion's BiGuard SSL VPN Series supports most commonly used applications through a web-based interface. Supported applications include ERP, Citrix Client Proxy, and OWA (Outlook Web Access), etc. In addition, BiGuard SSL VPN Appliance Series supports advanced security features such as SSL and IPSec encryption, End Point Security, and Host Security Checking. We keep it simple with illustrated diagrams to guide you through. Now, let's experience the fantastic applications over SSL VPN!
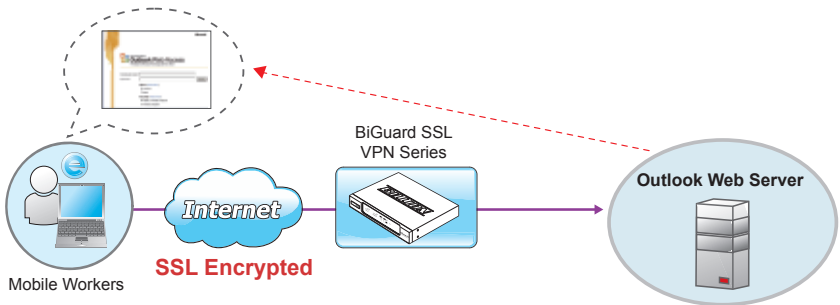
ERP Application

The BiGuard SSL VPN Appliance Series integrates cutting-edge SSL VPN technology for SMEs to establish private encrypted SSL tunnels, so that employees in the branch offices as well as those traveling could access their Enterprise Resource Planning (ERP) systems located in the head office.

Mobile Workers — Internet — **SSL Encrypted** — BiGuard SSL VPN Series — ERP SYSTEM
Inventory, CRM, HR, Sales, Delivery, Accounting, Production, Purchasing, Engineering

OWA Application

OWA (Outlook Web Access) application over SSL VPN provides the SME's personnel with the capability of accessing their e-mail securely via the Internet from any location such as hotels, business centers, or Internet cafés.

Mobile Workers — Internet — **SSL Encrypted** — BiGuard SSL VPN Series — Outlook Web Server
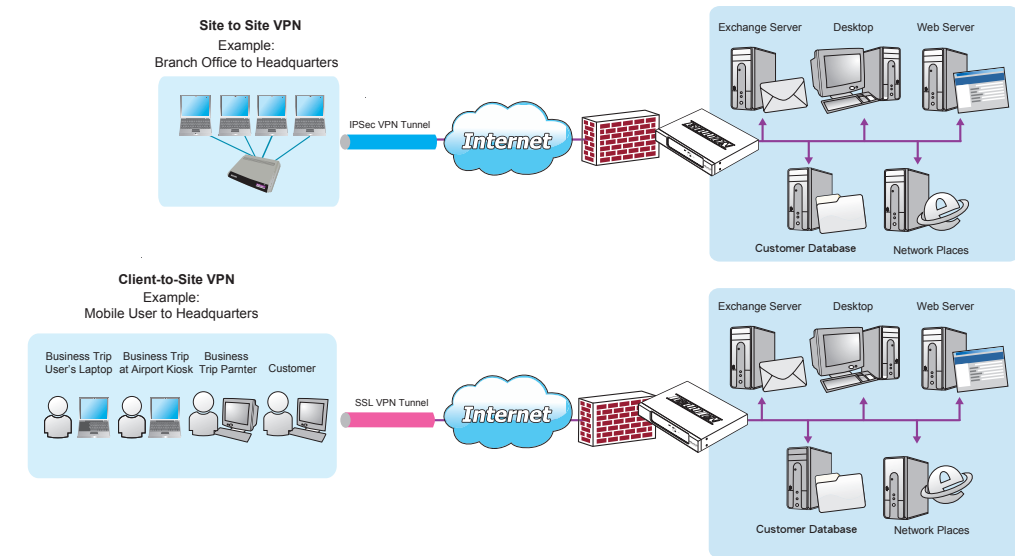
Citrix Application

Citrix application over SSL VPN is designed to deliver secure and clientless remote access to Citrix MetaFrame® Presentation Server applications. It can let SME users extend their corporate application infrastructure to remote users instantly without IT or help desk support.

Mobile Workers — Internet — **SSL Encrypted** — BiGuard SSL VPN Series — Citrix Server
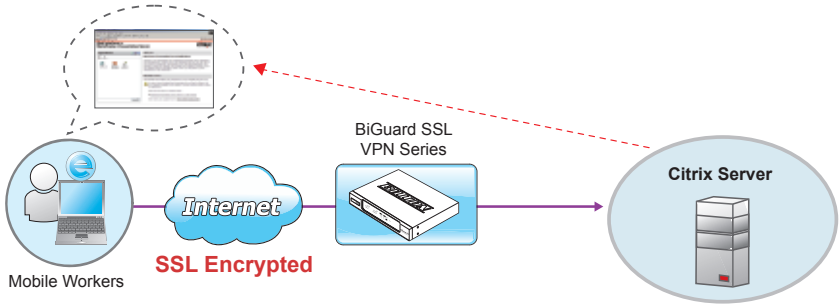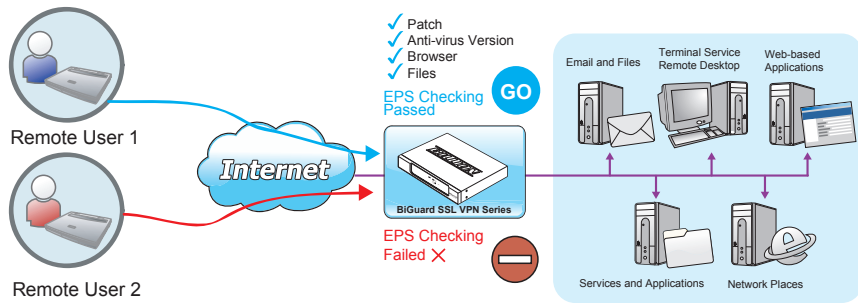

SSL VPN and IPSec VPN Security

BiGuard SMB and SME series offers IPSec VPN and SSL VPN capabilities together on a single platform. This combination provides excellent deployment flexibility to small business operations for meeting the requirements of any remote access users.

Site to Site VPN
Example: Branch Office to Headquarters
IPSec VPN Tunnel — Internet
Exchange Server, Desktop, Web Server, Customer Database, Network Places

Client-to-Site VPN
Example: Mobile User to Headquarters
Business Trip User's Laptop, Business Trip at Airport Kiosk, Business Trip Partner, Customer
SSL VPN Tunnel — Internet
Exchange Server, Desktop, Web Server, Customer Database, Network Places

End Point Security Checking

End Point Security (EPS) function enables IT administrators to configure and assure that the client-side PCs are protected with authorized security settings such as anti-virus software, patches, browsers, and files in order to prevent potential threats from the endpoint PC.

Remote User 1, Remote User 2 — Internet — BiGuard SSL VPN Series
✓ Patch ✓ Anti-virus Version ✓ Browser ✓ Files
EPS Checking Passed GO
EPS Checking Failed ✕
Email and Files, Terminal Service Remote Desktop, Web-based Applications, Services and Applications, Network Places

Host Security Checking

The host security checking feature enables IT administrators to configure the identities of a remote PC by host name, IP address and MAC address in order to assure the authorized users and protect the corporate network from potential security threats.

Remote User 1, Remote User 2 — Internet — BiGuard SSL VPN Series
✓ Host Name ✓ IP Address ✓ MAC Address
Host Security Checking Passed GO
Host Security Checking Failed ✕
Email and Files, Terminal Service Remote Desktop, Web-based Applications, Services and Applications, Network Places