

# SSL 1Box™

Connect | Protect | Forget



## Superior Network Protection Against Encrypted Internet Threats

- Did you know that your security solution cannot protect you against threats encrypted in SSL?
- Did you ever wonder how viruses penetrate your network?
- Did you know that some of the most dangerous attacks originate from Webmail?
- Did you know that when your employees access their private Webmail at work they put your network at risk?
- Did you know that access to Webmail is done through an SSL connection?
- Did you know that SSL does not guarantee the data is harmless?

SSL 1Box™ is your solution for all of these problems!

## SSL 1Box™

### Provides

- Best Protection against Encrypted Threats
- Corporate SSL Certification Policies Enforcement
- Maximum Security together with **Internet 1Box™**, or other Security Proxies
- The Best Value for Money
- Easy-to-Use Operation
- Seamless Integration with Your Existing Network Systems

### Enables

- Revenue Increase
- Business Focus, No Security Worries
- Minimized IT Damage

## SSL Background

The SSL (Secure Socket Layer) protocol is a standard for encrypting communications between browsers and Web servers. SSL is used to secure connections to Websites requiring confidentiality such as banking and retail Websites. When users submit their credit card number or access a bank account, their information flows to the Website in an encrypted manner.

## Designed for small and medium-sized businesses



## The SSL Security Loopholes

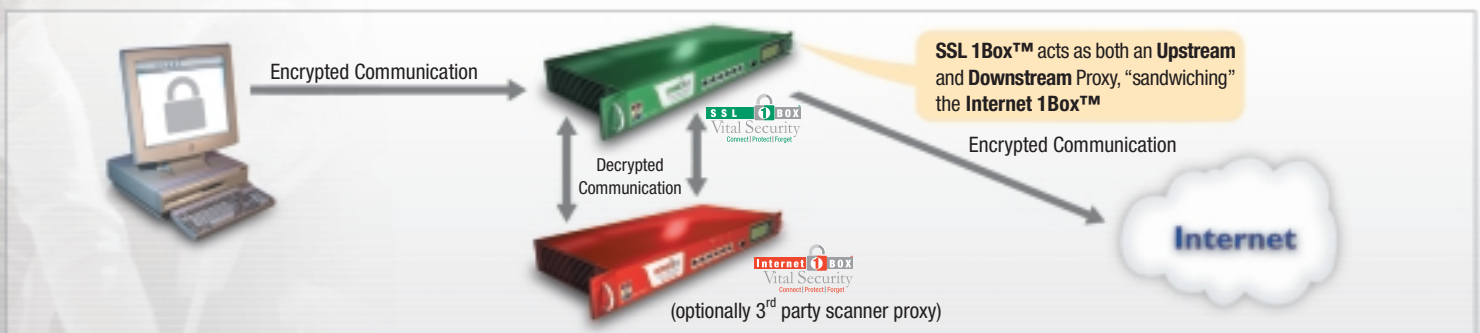
Today SSL is also used in 'regular' Websites such as online memberships and Webmail. This phenomenon **suffers from a major security loophole** since network security proxies are not capable of scanning SSL contents. The secured SSL connection may carry malicious content such as viruses in attachments of email using SSL. Another security loophole in SSL is Website authentication. While users think they are accessing their bank's Website, they may actually access a fictitious site pretending to be the bank. SSL certification solves the authentication problem by validating the SSL certificate of the Website. However, if the certificate is invalid, users still have the option to access the site and compromise the company network.

## What is HTTPS?

HTTPS (Hyper-Text Transfer Protocol Secure) is HTTP over SSL (Secure Socket Layer) that provides transaction encryption point-to-point. HTTPS enables users to securely send and receive confidential information such as credit card and social security numbers via the Web. As more companies and individuals continue to utilize online services on a regular basis, HTTPS is becoming increasingly important to provide both **security** and **privacy**.

## How can You Secure Your HTTPS Traffic?

Finjan's **SSL 1Box™**, specially designed for small and medium-sized businesses, secures your network by enabling content scanning of encrypted SSL traffic as well as enforcing SSL certificates according to the corporate policies. **SSL 1Box™** validates SSL certificates to ensure that only data from **trusted Websites** can access the corporate network. The corporation can create a policy for trusted Websites that even if their SSL certification is out of date, the **SSL 1Box™** will grant their access.



SSL 1Box™ Functionality

## Enforces Corporate Policies with Certificate Validation

The certificate delivered with the SSL stream makes SSL trustworthy by identifying the server to the browser. **SSL 1Box™** ensures that corporate policies regarding certificates are enforced. The solution validates SSL certificates to assure they are trustworthy by checking the common name, the date, the trusted authority chain, and revocation lists sent out nightly by certificate authorities. **SSL 1Box™** will also allow, block or warn users about invalid certificates.

## Preserves Privacy via Tunneling Capabilities

Preserving privacy of personal user information such as bank account information and social security numbers is essential for all types of secure electronic transactions. **SSL 1Box™** allows specific Websites to be "tunneled". Tunneling does not decrypt or scan the Websites and serves them directly to users.

## How Do You Secure Your HTTPS Against Malicious Content?

Some of the most dangerous attacks can come from users reading email on Webmail sites accessed via encrypted HTTPS connections. While SSL encryption secures connections to Websites requiring confidentiality, it does not provide protection against malicious attacks. **SSL 1Box™** together with **Internet 1Box™** offers the best proactive protection against web attacks traveling inside HTTPS communications.

**SSL 1Box™** together with **Internet 1Box™** protects networks from malicious code while maintaining user privacy. Upon receipt of SSL encrypted data, the **SSL 1Box™** decrypts the data and forwards it to the **Internet 1Box™** or other scanning proxy for security scanning. After the security scanning is complete, the data returns to the **SSL 1Box™**, which re-encrypts and forwards it to its destination.

## Maximum Security Together with Internet 1Box™

The highest level of security available today is provided by integrating Finjan's **SSL 1Box™** with **Internet 1Box™**. Together they deliver the only solution capable of detecting a new, unknown attack from Internet threats via HTTPS/SSL, HTTP and FTP. Additionally, they deliver not only proactive protection against malicious or inappropriate content using Finjan's patented Behavior Blocking technology but also offer best-of-breed anti-virus, URL filtering and centralized granular policy management with comprehensive reporting.

## Centralized Management with Advanced Reporting Functionality

When using **SSL 1Box™** in conjunction with **Internet 1Box™**, management and administrators can generate both high level and HTTPS-specific views of their network security. Company-wide reports such as malicious content blocked, viruses stopped and top 10 Websites blocked allows management to monitor ROI and trends as well as assist IT managers to accurately adjust their security policies as their company grows and changes.

## Simple to Use

**SSL 1Box™** requires no learning curve. The solution contains a Web-based management console with highly granular customizable policies and an intuitive GUI. Simply connect the **SSL 1Box™** to your existing network equipment and get the highest level of protection in minutes.

## Seamless and Simple Integration into Existing Networks

**SSL 1Box™** integrates seamlessly on the corporate network with no need for any change. Simply connect the **SSL 1Box™** into your corporate network and you are ready to go!

**SSL 1Box™** supports up to 250 users.

## For Additional Information

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## Finjan's Family of Next Generation Internet Security Solutions for Businesses of All Sizes



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