

# iSecure Protector SE

## Network Security System



**iSign International**

*While no network is immune to attacks, an efficient and stable network security system is essential to protect personal and client data. Learn how iSecure Protector Server Edition by iSign International is the absolute cure for global hacking attempts by malicious actors.*

Protecting critical information infrastructure is one of the key challenges for individuals and organizations as cyber adversaries develop innovative ways to infiltrate them. Network security is one of the crucial aspects to consider when working over the Internet, whether it is a small business, or a large organization or educational institution. A robust network security system helps users reduce the risk of data theft and sabotage.

### A Brief Overview of Hacking

With the exponential growth of the Internet, hacking is becoming a huge phenomenon worldwide, akin to an uncontrolled epidemic. Anti-hacking defenses are making progress, but hackers are always one step ahead and keep developing new techniques to get around them. Servers open for remote connectivity, FTP, email, and other services are always subject to cyberattacks. Successful attacks will bring an entire organization to a halt and compromise user data.



## Consequences of Getting Hacked

Having their network hacked can put enterprises out of business.

- Data loss
  - Data corruption
  - System lockout
- Data breach
  - Confidential information
  - Intellectual property
- Data inoculation
  - Loss of credibility
- Operational interruptions
- Revenue loss
- Identity fraud
  - Personal banking information
  - Credit card fraud

## Why Choose iSecure Protector SE?

iSign's iSecure Protector Server Edition™ provides comprehensive threat analysis that gets delivered as seamlessly integrated intelligence. It comes as an all-in-one security management platform—saving individuals and organizations countless hours of research to detect the latest threats. iSign's patented End-to-End Dynamic PKI Encrypted Communication with 6-Factor Authentication is built into the iSecure Protection SE platform. Validated by Arizona State University, the iSecure Protection SE platform has been proven to be cost-cutting and to eliminate all hacking attempts.

## DPKI Encrypted Communication at the Core of iSecure Protector SE

All activity gets encrypted at the endpoint with different PKI key pairs, making the communication un-hackable. Whether sending messages, banking transactions, or



other highly confidential data, iSign International's DPKI Encrypted Communication is the solution for preventing hackers from infiltrating the communication channels. When a hacker is detected, the communication link gets terminated, and the administrator receives alerts immediately.

## Other Advanced Features That Help Shield Your Network.

Regardless if it is in the cloud or a physical server, iSecure Protector SE dynamically opens and closes the RDP/SSH ports to prevent hackers from infiltrating the core infrastructure.

- Dynamically opens and closes RDP/SSH ports to maximize security.
- Enterprise Server Protection pre-determines vulnerabilities, auto-detects threats, investigates and removes intrusions.
- Automatically identifies & blocks known malicious content.
- Provides cost-effective protection for your digital infrastructure, eliminating the cost barrier.
- Automatically monitors access points through its comprehensive sensor selection on all in/outbound traffic
- Integrates AI network packet detection, reporting real-time network issues to protect your data.
- Enables easy configuration using white list, keywords, and port restriction.
- Enacts IP address translation, offering whitelisting/blacklisting and regional customization.

## Case Study

*How a leading machinery equipment organization thwarted a sophisticated ransomware attack by deploying iSign Protector SE post-breach!*

A machinery equipment company headquartered in Arizona executing their normal operations detected a sudden primary server infrastructure crash. The company's servers were targeted by an aggressive ransomware attack. All critical data was



encrypted. The message from the attacker was simple, "please contact me so we can take care of this". The company could not afford an extortion payment, so they started rebuilding from contingency files. They concluded that they needed a better solution to protect against such attacks in the future. They contacted iSign who immediately deployed iSecure Protector SE.

Sudden primary server infrastructure crash detected by a leading machinery equipment organization

iSign is contacted. iSecure protector SE immediately deployed with little requirements from customer's technical resources.

Protective dome instantly placed over enterprise, denying any further malicious traffic.

iSign Protector SE performs exhaustive review of IPs that connected to the company's network within the attack's timeframe.

iSign Protector SE detects all malicious actors and permanently denies access, allowing customer to disregard ransom.

iSign Protector eliminated the malware's ability to communicate outside the environment. Thus, it eliminated the threat of further compromise and prevented catastrophic operational and economic consequences.



Since the deployment of iSecure Protector SE, the company is completely protected and has complete visibility on malicious traffic. Additionally, it gets automatically protected against ransomware and other advanced threats.

## Conclusion

For ages, 'layered defense' or 'defense in depth' has been the key security principle in protecting human assets and information from adversaries. The digital security methodology used by iSign's iSecure Protector SE encompasses multi-level validation to block attackers from anywhere, anyplace, and any device. It monitors all access to applications, and hardware and helps prevent all attempts to penetrate your digital infrastructure safeguarding your information from cyber adversaries.

To learn more about iSign and its SmartGuard innovative solution, which helps monitor and detect malicious activities in real-time by leveraging hardware-assisted security assurance for home and business environments visit our website at <https://isigninternational.com/>.