



## Simple, Scalable Security of ATM Communications

- ✓ Highly flexible protection for ATM networks and other financial data traffic
- ✓ Centralized policy creation, auditable compliance
- ✓ Safe financial transactions over any third-party network
- ✓ Isolate ATM traffic with 'Zero Trust' to block #1 attack vector

Hackers are stealing millions from unprotected ATM machines.

That's because the data in motion on these networks is inadequately segmented or protected. Once they have compromised an ATM kiosk, attackers exploit this vulnerability to move laterally from system to system.

The Certes Zero-Trust Security (ZTS) Platform blocks the #1 attack vector hitting ATM networks. Deployed to protect thousands of banking systems around the world, the ZTS Platform safeguards financial transactions over Private WAN, SD-WAN, Cloud WAN, MPLS, NFV, SDN and other networking services.

You alone are in control of security. The ZTS Platform enables you to "Bring Your Own Trust" and not be dependent on a service provider or hardware vendor to maintain and enforce trust and security.

Certes Networks' Zero-Trust solutions are deployed by enterprises around the world to protect billions of dollars in financial transactions. The choice of banks, financial institutions, governmental agencies and enterprises conducting financial transactions, the solutions provide a single point of control for protecting your most sensitive data traffic over third-party networks.

- ✓ Adopt "Zero Trust" security that cuts breach risk
- ✓ Industry's only Layer 4 Stealth Encryption for simple, flexible protection
- ✓ Isolate ATM kiosks with crypto-segmentation: block hacker lateral movement
- ✓ Throughput of up to 10 Gbps with full encryption

- ✓ Secure transactions, video feeds, interactive kiosk features, all protected without impacting performance
- ✓ Deploy ATMs faster with point-and-click provisioning of secure communications
- ✓ Simplify and accelerate security compliance audits
- ✓ Add a critical "defense in depth" layer of security that stops attackers even if they compromise other systems
- ✓ One point of control for simple policy definition and enforcement
- ✓ AES-256-GCM encryption
- ✓ Patented policy engine proven in nearly 20 years of successful IT security implementations

Utilizing unique, patented policy management technology, Certes' solutions create a protection layer for your ATM traffic that is completely decoupled and isolated from the network infrastructure. If hackers compromise an ATM, lateral movement is blocked, preventing them from compromising the other ATMs on that network. Even if all your network components, firewalls, gateways and other devices are compromised, your ATM network traffic will remain secure and flowing.

Certes' solutions operate seamlessly with standards-based networks, requiring no changes to network devices or your applications. Certes' policy enforcement points can be deployed on standalone devices in ATM kiosks or on other systems as virtualized enforcement points.

Configuration and auditing of connections is all managed centrally, eliminating the need to assign a range of provisioning tasks to multiple teams.

## Case Study

A large national bank began an aggressive countrywide implementation of new ATMs. The bank selected Certes Networks' solutions to provide end-to-end communications security for the ATM networks. In production deployment since 2013, the Certes solution has permitted the bank to:

Provision secure connections to new ATM machines in seconds.

Deploy ATM traffic backhaul to the data centers and clearinghouse services over very low cost networks, cutting the traditional costs of private lines or WAN connections.

Isolate ATM transaction traffic with a "Zero Trust" security posture.

Pass security audits in a fraction of the time thanks to centralized reporting.

Layer new applications into the network for advanced ATM functions with a few points and clicks.

## Capabilities

**Layer 4 Stealth Encryption:** patented payload encryption that protects sensitive data communications without disrupting networking or application flows

**Simple Security with One Unified Platform:** The management platform provides consistent, persistent protection for data traffic across all IT silos: Data Center, LAN, WAN.

**Infrastructure Independent:** Transparent to the network and IT environment, with seamless deployment requiring no changes to applications or network devices.

**Rapid Deployment:** Installation in minutes and protection profiles provisioned in seconds.

## Benefits

### Accelerate ATM Rollout & Network Expansion

Deploy ATMs faster with point-and-click provisioning of secure communications.

### Retain Control

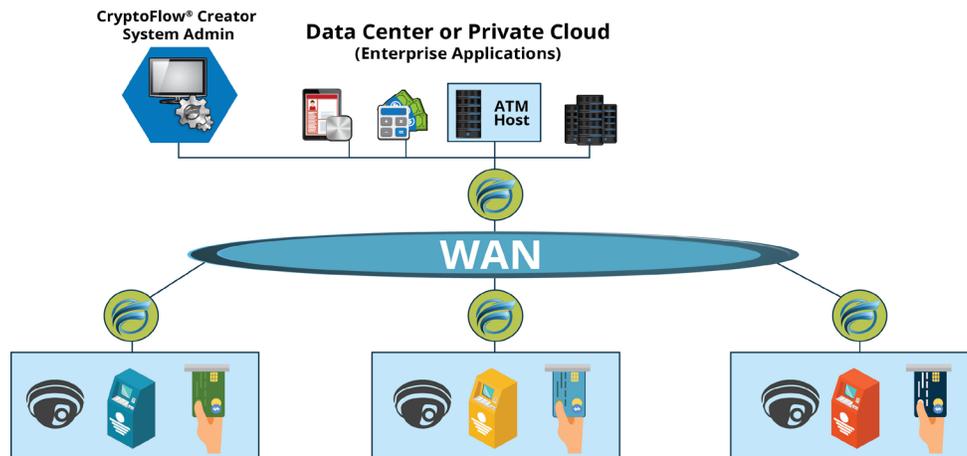
Safely use third-party networks while retaining critical control and security.

### Simplify Audits

Simplify and accelerate security compliance audits.

### Reduce Risk

Add a critical "defense in depth" layer of security that stops attackers even if they compromise other systems.



## About Certes Networks

Certes Networks' solutions safeguard enterprise data communications to ensure privacy compliance and block the top data breach attack vectors. Banks, financial institutions, healthcare organizations, governments and other companies in nearly 100 countries rely on Certes' security and compliance solutions to protect their sensitive networked applications. The solutions feature unique Layer 4 "stealth encryption" technology that automatically encrypts data communications and enables enterprises to adopt modern Zero Trust security protection.

Find out how Certes CryptoFlow Solutions will revolutionize how you secure data in motion.  
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