

Check Point ATM Security

Comprehensive, end-to-end solutions to protect against ATM vulnerabilities

YOUR CHALLENGE

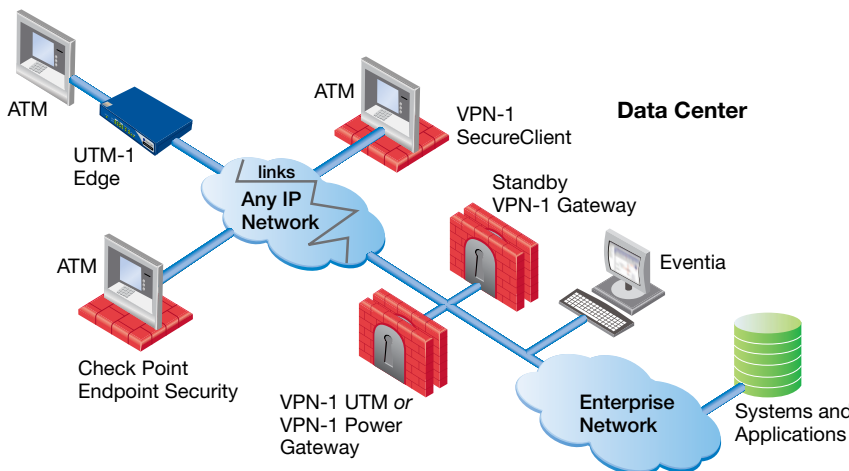
Automatic teller machines (ATMs) revolutionized the banking industry when they were introduced, and they have remained largely unchanged—until now. Today, traditional ATMs are rapidly changing from cash-dispensing machines to full-service banking kiosks, located anywhere customers bank, with low-cost or nonexistent transaction fees.

While these changes promise greater customer service and business value, they dramatically increase the challenge of securing the way ATMs operate and communicate. ATMs are moving from closed, expensive, private networks to more open, cost-effective IP networks, which are more exposed to eavesdropping or interception of sensitive customer and financial data. The announced obsolescence of IBM OS/2 enables banks to migrate to Microsoft Windows operating systems (OSes) for better business value, but it also increases their vulnerability to malware and provides an attractive, valuable target for hackers and thieves. At the same time, new industry and government standards are raising the demand for clear visibility and reporting to meet regulatory and audit challenges.

Your challenge is to ensure reliable, secure transactions on thousands of remote ATMs, while offering more services, meeting new requirements, and reducing overall costs and overhead to stay competitive.

OUR SOLUTION

Check Point offers comprehensive, end-to-end solutions to meet the challenge of protecting ATMs from malware and external threats, while maintaining reliable security and connectivity to protect financial and customer data from the ATMs all the way to the data centers. Check Point software solutions running on



Check Point ATM Security solutions provide comprehensive, end-to-end protection from the ATM to the data center.

SOLUTION DESCRIPTION

Check Point ATM security solutions provide comprehensive, cost-effective protection for automatic teller machines (ATMs), transaction data, and financial networks.

SOLUTION FEATURES

- End-to-end ATM security
- Encryption of the entire transaction communication session
- Accelerated VPN performance with high availability
- Minimal ATM security administration and onsite maintenance
- Detailed ATM security event logging and compliance reporting

SOLUTION BENEFITS

- Protects ATMs, networks, and data centers from ATM vulnerabilities
- Maintains confidentiality, integrity, and availability of ATM transaction communications
- Minimizes cost of deploying and managing ATM security
- Ensures performance and reliability of 24/7 ATM transactions
- Helps financial institutions comply with industry regulations and audits



ATMs protect Windows OSes from malware and external threats, while providing reliable VPN connectivity that's affordable and easy to deploy. Banks with mixed ATM operating system environments or that need flexible deployment options without touching their ATMs can choose Check Point security appliances, delivering additional security and connectivity features with higher performance. These can support thousands of secure, concurrent connections with high availability, reliability, and high mean time between failures, delivering the 24/7 customer service that banks demand for mission-critical environments.

COMPREHENSIVE ATM SECURITY SOLUTIONS

Check Point provides integrated, end-to-end security solutions to protect ATMs and branch offices all the way to the data centers, with proven experience in the most demanding financial networks.

Protect ATMs and confidential data

Check Point Endpoint Security™ and VPN-1® SecureClient™ software delivers firewall and application-level security to protect ATMs and Windows OSes from unauthorized activity and widespread threats such as malware. Policy-based security protects against unknown threats with device-specific identification of each ATM and strong authentication using digital certificates, maintaining ATM access control at all times. For even tighter security, UTM-1™ Edge™ can provide integrated firewall, VPN, intrusion detection and intrusion prevention, antivirus protection, and 802.1x standard support. This nonintrusive, compact appliance is managed apart from the ATM, supporting various WAN options such as USB cellular and dialup modems, delivering reliable connections at all times — even from remote, environmentally challenging locations.

Secure transactions and communications

ATM transactions and communications are protected immediately — first by encrypting all outbound traffic and then by blocking all non-VPN inbound traffic from ATMs to back offices — preserving customer data integrity and confidentiality. Secure communications also protect multidomain networks and backend systems from vulnerabilities coming from ATMs as well as the opposite scenario. Meanwhile, secure management traffic and analysis ensure the integrity and policy compliance of systems seeking access to the network.

Ensure performance and reliability

Check Point VPN-1 Power™ gateways provide the scalability to support thousands of concurrent VPN tunnels and deliver the high performance and reliability that banks depend on for ATM transactions. Advanced streaming technologies deliver accelerated performance of more than 12Gbps, while multiple gateways can be configured to deliver high availability and automatic failover. Optional modules can distribute traffic among clusters of gateways for redundancy, while advanced QoS ensures optimal performance for 24/7 ATM availability.

Reduce management costs and complexity

An approach unique to enterprise-wide security, the Check Point unified security architecture reduces the cost and complexity of security management and ensures security systems can be easily extended to adapt to new, evolving threats. Using the NGX unified management platform, administrators can create, deploy, and remotely update security policies with the same management console and interface as used for other Check Point solutions. Unified management also eliminates the need for separate management logins and servers, which reduces IT labor time, costs, and complexity as well as improves overall security.

Meet regulatory and audit challenges

Finance and banking auditors can rely on Check Point Eventia™ reporting and analytics to meet industry and government regulations and compliance needs. Comprehensive, real-time monitoring, logging, and reporting of all security events, with detailed activity and trend analysis, enable administrators to refine security policies and eliminate potential gaps before they occur. Customized reporting tools can capture or filter only relevant data for specific needs and insights, while predefined reports and automated distribution save administrative time and costs.

LEARN MORE

Learn more about how Check Point can protect ATMs and confidential data with dedicated and comprehensive cost-effective security solutions by visiting <http://www.checkpoint.com/products>, or contact your local Check Point sales representative.

CONTACT CHECK POINT

Worldwide Headquarters

5 Ha'Solelim Street, Tel Aviv 67897, Israel | Tel: 972-3-753-4555 | Fax: 972-3-624-1100 | Email: info@checkpoint.com

U.S. Headquarters

800 Bridge Parkway, Redwood City, CA 94065 | Tel: 800-429-4391; 650-628-2000 | Fax: 650-654-4233 | www.checkpoint.com