

FUTUREX RKMS Series

A Complete Remote Key Management Solution
for Your POS or ATM Network



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- Automates the manual key replacement process
- Injects encryption keys over a TCP/IP connection
- Manage keys from one central location
- Securely generate and print key components on tamper-evident mailers
- Integrated, hardware-based disaster recovery and redundancy features
- Robust, permission-based user management system for separation of duties

A Complete, Cost-Effective Remote Key Solution

We know that the manual process for managing and regularly replacing encryption keys for POS terminals and ATMs can be time consuming and have a direct impact on your bottom line.

To help you avoid this, the FutureX RKMS Series provides you with a complete key management solution for generating, distributing, and injecting your POS and ATM encryption keys.

Full Range of Functions

The RKMS Series provides a broad range of encryption and key management functions including key generation, distribution, deletion, and tracking. It remotely distributes encryption keys over a secured IP network, thereby eliminating the costly and cumbersome manual process of having to physically input keys. It also supports Certificate Authority hierarchies (chained Certificate Authority assignments for RKMS Series and POS devices) and manual key generation and distribution by secure printer.

Automated & Streamlined Process

The RKMS Series offers innovative features for remotely automating the manual key replacement process. It even gives you the ability to design templates and print secure key mailers. After loading the Master File Key, key officers can remotely update the Remote Key Management Server by using a secure, PKI-based connection.

Seamless Integration

Our RKMS Series performs a flawless integration with the host application that is driving your POS terminals or ATMs. Your updated keys are securely transferred to the host as cryptograms using a key exchange key. The RKMS Series has a full-featured API and command set for host application software integration.

SPECIFICATIONS

RKMS Series

Dimensions & Weight

Space: 2U

Weight: 37.1 lbs (16.83 kg)

Meets Industry Compliant Standards

PCI DSS

FIPS 140-2 Level 3

ANSI X9.24 part 1 and part 2 for Symmetric and Asymmetric Key Management—TR-39

RoHS

FCC Part 15 - Class B

Operating Conditions

Power requirements: 100 – 230 VAC 50/60 Hz, 400 Watts

Operating temperature: 50° to 95°F (10° to 35°C)

Storage temperature: -40° to 149°F (-40° to 65°C)

Operating relative humidity: 20% to 80% non-condensing

Storage relative humidity: 5% to 95% non-condensing

External Hardware Requirements

Keyboard: Standard USB

Mouse: Standard USB

Video: SVGA1024x768 at 75Hz refresh

RKMS Series Unit Includes

Key Management application CD

User guide

Mounting brackets

Two TRSM barrel keys

Cables

Protect your ATM and POS network with the Futurex RKMS Series.

Cost-Effective Solutions

- Eliminates the costly manual process of loading keys
- Remotely and easily update your RKMS Series by using a PKI-secured interface
- Helps reduce training and administrative costs

Remote Key Distribution

- Certificate Authority management
- Securely and remotely distributes encryption keys over a secured IP network
- Supports PKCS and X.509 standards
- Supports PEM and DER file types

Manual Key Distribution

- State-of-the-art technology
- Secure print and seal for key component mailers

Ease of Use

- Key group management—logical grouping of keys assigned to a POS device/serial number for loading
- Batch device import—imports a list of device serial numbers
- Audit trace logging of all activities (exportable and searchable)
- Web administrative access

Industry Compliant Standards

The RKMS Series is designed to meet and adhere to the following compliant standards:

- FIPS 140-2 Level 3
- ANSI X9.24 part 1 and part 2 for Symmetric and Asymmetric Key Management—TR-39

Robust Security

The RKMS Series contains the following physical and logical security features:

- 2U hardened steel interlocking rack mounted case
- Two unique faceplate bezel locks for securing the device to a server rack
- Tamper resistant security module (TRSM) with epoxy barrier and sensor wires to protect processor and system memory
- Battery backup for keys in TRSM memory
- Multi-user grouping for access restriction

Enhanced Hardware Functionality

- Dual, redundant, hot-swappable power supplies
- Dual gigabit Ethernet ports
- Integrated smart card reader
- Integrated CompactFlash reader
- Advanced encryption card with speed and security enhancements
- Highly scalable hardware design, enabling future upgrades