

# FUTUREX SKI9000

An Innovative Solution that  
Eliminates the Inconvenience  
of Key Injection

KEY MANAGEMENT SERVER



## **An Innovative Solution that Eliminates the Inconvenience of Key Injection**

- Supports protocols for most major POS terminal manufacturers and key types
- Compliant with network rules for retail POS keys
- Simple point and click key injection
- Multiple disaster recovery and redundancy features
- Scalable design, allowing device capacity to grow along with your organization
- Integrated CompactFlash reader allow for secure, compliant backup of settings, logs, and key cryptograms
- Maintain the security and integrity of your key components by quickly and easily loading them using the integrated smart card reader

## **All-in-One Encryption Solution**

Point of Sale (POS) key injection operations are often faced with the challenge of injecting keys into hundreds of terminals in a short amount of time. This can be both costly and time-consuming. Most existing key injection tools are not user-friendly and lack the ability to store device configuration data.

The Futurex Secure Key Injector (SKI) 9000 provides an ideal, cost-effective and all-in-one security solution designed for loading and managing your POS encryption keys.

## **Manage & Consolidate Encryption Keys**

Do you find it difficult and burdensome to manage and audit the numerous keys you have? The SKI9000 helps to alleviate that stress. What makes our SKI9000 innovative and unlike anything else in the industry is its ability to manage all of your keys and consolidate them into one centralized key injection product solution.

## **A Cost-Effective, Scalable Solution**

The SKI9000 is capable of injecting keys into up to sixteen POS devices at one time. Our scalable hardware design allows you to purchase only the injection capabilities that your organization needs and gradually increase capacity over time without increasing your total rack footprint. This makes the SKI9000 an ideal cost-saving device for a full-service key injection operation.

## **Streamlined & Secure Process**

The unique design of the SKI9000 makes key injection as simple as point-and-click. It also includes the capability of injecting more than one type of key at a time. Our unique data storage feature provides the ability to easily and securely import, create, and store your keys. This helps to eliminate the time-consuming process of performing more key loading ceremonies than are necessary.

## **Advanced Redundancy and Disaster Recovery**

We know that speed, security, and stability are critical to your key injection operations, which is why we have included numerous redundancy and disaster recovery features in the SKI9000. From the dual, hot-swappable power supplies to the fast, secure, and reliable software backup procedures, the SKI9000 gives you the peace of mind of knowing that your mission-critical infrastructure has been built to the highest possible standards.

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## SPECIFICATIONS

# SKI9000

### Industry Compliance Standards

PCI DSS  
FIPS 140-2 Level 3  
ANSI X9.24 part 1 and part 2 - TR-39  
RoHS  
FCC Part 15 – Class B

### Key Types

Triple DES DUKPT  
MAK (Message Authentication Key)  
Master Session Key—Integrated support for ANSI X-9.24-1 Section 7.6 & 7.8.1  
PIN Encryption Key  
Secure Master File Key generation

### Host Management

Allows for management of multiple host keys

### Dimensions & Weight

Height: 2U - 3.5 inches (8.89 cm)  
Length: 18.8 inches (47.8 cm)  
Width: 19 inches (48.2 cm)  
Weight: 36.5 lbs (16.5 kg)

### Operating Conditions

Power requirements: 100 – 240 VAC, 50 – 60 Hz,  
500 watts @ 100 VAC, 720 watts @ 240 VAC  
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: SVGA 1024x768 at 75Hz refresh

### Other Functions

Designer templates for label and cryptogram printing  
Scanner for barcode serial number reading  
Audit logging functionality  
Separation of users by job function  
Ability to define batch key injection profile

### SKI9000 Units Include

Key Management application CD  
User guide  
Mounting brackets  
Two TRSM barrel keys  
Cables

**The Futurex SKI9000 provides a secure and easy-to-use solution to help you overcome the inconvenience of multiple key injections.**

### Cost-Effective Solutions

- Eliminates the costly manual process of loading multiple keys
- Ability to inject encryption keys into 16 devices at the same time
- Capability of injecting more than one type of encryption key at a time
- Reduces training and administration costs

### Simplified Usage

- Easy to use GUI helps reduce training and requirements for key loaders
- Loads multiple POS terminals directly from the unit
- Quickly supports large key injection batches

### Supports Major POS Device Makers

- Provides flexibility in key loading operations
- Reduces errors and re-work

### Powerful Logging Capability

- Provides detailed audit records and the ability to generate key reports
- Simplifies management of internal and external TR-39 audits
- Complete, authenticated audit log files of all activity, access, tracking, and serial information
- Integrated CompactFlash reader allows for secure backups created behind device lock plate
- Key Serial Number (KSN) values automatically logged to CompactFlash to prevent duplicate injections

### Uncompromising Physical Security

The SKI9000 is designed with the following physical security features:

- Hardened steel interlocking rack-mounted case
- Two unique face-plate bezel locks for securing the server to the rack
- Tamper resistant security module (TRSM) with epoxy barrier and sensor wires to protect processor and system memory
- Battery backup for encryption keys stored in TRSM memory
- Built-in hardware reset function allows secure erasure of all sensitive data before shipment

### Robust Logical Security

- Dual logins required to access key loading application
- Key components may be loaded via the integrated smart card reader for added security
- User group permissions control privileges within key loading application
- Keys are stored as cryptograms under the Master File Key
- Key component entry occurs in separate steps each with own check digit display

### Hardware Upgrades From SKI3000

The SKI9000 includes numerous hardware upgrades from the SKI3000, including:

- Four injection ports included by default
- Integrated smart card and CompactFlash readers
- Advanced cryptographic hardware based on Futurex's EXP9000 encryption card
- Dual, hot-swappable power supplies
- Four-line front panel LCD and information display