

# A98 - The Market Leader in ATM Compliance for both Conventional & Remote Key ATMs

- ▶ Brings your ATM network into compliance with VISA®, Star® and NYCE® operating rules, which require a unique triple DES initial key per ATM
- ▶ Automates your key management process ~ eliminating cost and logistical problems associated with manual key management
- ▶ Works with all ATMs without any changes required
- ▶ Provides ISO-8583 messages for interfacing to all host applications. A98 interfaces with BASE24®, Connex®, Postilion®, CV Systems®, S2 OpeN/2®, and custom host software
- ▶ Eliminates manual audit tracking with detailed activity logs



Photo courtesy of Diebold, Corp.



## A98 OVERVIEW

ANSI Standard X9.24 on Retail Key Management requires each PIN encryption device to contain a unique key. Many organizations that drive ATMs mistakenly assume that downloading a unique key encrypted by a manually loaded initial key, global in scope, is compliant with the standard. However, this *initial* key must also be unique and installed according to network operating rules.

### A98 Conventional System

Trusted Security is offering the A98 ATM Initial Key Establishment System to institutions that need a compliant, efficient, and easy-to-implement solution to meet this initial key requirement. A98 works with all ATMs, requires no hardware or programming changes to the ATMs, and avoids the cumbersome requirements normally associated with compliant key management. Service personnel communicate with the A98 system via touch tone telephone to establish the initial ATM keys in a manner which is fully compliant with the X9.24 standards and all network operating rules. Once established, the initial keys are securely communicated to the host computer that drives the ATMs. All activity and events are logged to provide concise audit information.



### A98 Remote Re-Key Module

The A98-R implements both Diebold's Certificate Based Protocol (CBP) and NCR's Signature Based Protocol (SBP) that are defined in the emerging ANS X9.24-2 Standard on Retail Cryptographic Key Management. Both processes require the ATM's EPP to be loaded at the factory with signed Public Keys or Certificates. In addition, an A98 public key must be signed by a Certificate Authority (i.e. Diebold or NCR) and imported back into the A98 during system initialization.

In the initial release of the A98 Remote Re-Key module, the interface to the ATM is implemented through the terminal handler or device driver. Trusted Security has defined an XML data structure that is used to communicate with the driver over a TCP/IP link. This approach confines modifications to the ATM device driver and eliminates any need to change the host security module or terminal driving application software. All the public key cryptography, message formatting, database access, and user interface programming is provided in the A98 module.

Find A98 Hardware and Software specifications by visiting [www.trustedsecurity.com](http://www.trustedsecurity.com).

### Here is what customers are saying about the A98 Solution:

"We are impressed with the product. The A98 brought us into compliance with 'unique key per device' immediately."

"The design principles of the A98 system are fundamentally sound and provide operational flexibility which greatly facilitated our implementation of the system and unique ATM keys."



[www.trustedsecurity.com](http://www.trustedsecurity.com)  
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