Keyscan K-SECURE 1K/4K

13.56MHz credential series

High security Keyscan credentials

High frequency credentials for use with K-SMART reader series

K-SECURE credential series feature proprietary Keyscan 36-bit format to offer unrivalled performance and reliability when coupled with K-SMART3, K-SMART, and K-SKPR readers for enhanced reader and credential encryption.
K-SECURE surpasses 125kHz proximity credential technology, which transmits card numbers in an unsecure "open" environment. Additionally equipped with anti-counterfeiting, anti-duplication technologies, and a unique AES multi-layer encryption, K-SE CURE offers both higher security and return on investment for your Keyscan access control system.

Key Benefits

- Uses unique and proprietary Keyscan technology
- Completes a 3-pass authentication, encryption / decryption unlock algorithm with K-SMART reader series before data is transmitted
- Functions with K-SMART and K-SKPR readers as well as K-SMART3 in an active mobile credential environment
- Available in 1K and 4K models and complies with international interoperability (ISO14443) standards
- Suitable for 3rd party applications (biometrics, logical network access and cashless vending)

K-SECURE credential series are available in these 4 formats

ISO printable cards
K-SECURE 1K / 4K

Fob
K-SF-1K

RF transmitter
K-TX2-1K

How Keyscan K-SECURE credentials function

K-SECURE Security Algorithm

1. Credential enters reader's 'excite' field
2. Credential transmits MAX Secure Code
3. Reader validates MAX Secure Code
4. Reader initiates 3-pass authentication algorithm and sends secure-sector unlock code
5. Credential transmits identification number
6. Reader passes card details using 36-bit Wiegand output to Keyscan access control panel

K-SMART Reader series

How 125kHz proximity credentials function

125kHz card security algorithm

1. Transmit card serial number in an open and unsecure environment
2. Reader passes card details using 36-bit Wiegand output to Keyscan access control panel

36 bit Wiegand output to Keyscan panel

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