

Keyscan's K-SMART 13.56 MHz Reader
High security contactless smartcard reader

With K-SMART's built in support for smartcard security and encryption along with Keyscan's additional AES multi-layer encryption, K-SMART users benefit from the convenience of a contactless credential with the enhanced security that only a smartcard credential and reader combination can offer.

- Uses internationally acclaimed contactless smartcard technology
- K-SMART supports Keyscan's K-SECURE contactless smartcards
- The K-SECURE credential provides anti-counterfeiting protection using Keyscan's Max Secure encryption technology on 'over the air' transmission between the reader and card
- Supports ISO 14443 contactless nonproprietary contactless smartcards, card serial number (CSN) only
- Provides an innovative 'Heartbeat' technology. If this heartbeat is interrupted due to wiring fault or reader damage an alarm condition is triggered by the Keyscan control panel
- Offers 'Anti-Tamper' capability with a dealer installed and supplied anti-tamper switch for further enhanced security
- K-SMART-GOV version is a US Government FIPS 201 & TWIC credential-compatible reader
- Simple 2 in 1 unit to support both mullion or single gang electrical box applications
- Electronics are secured in tamper-resistant epoxy potting for added protection
- Durable design provides weather-resistant construction for reliable operation and long usage even in harsh environments
- Delivered with Keyscan's limited lifetime warranty against defects in materials and workmanship



K-SMART

Contactless Smartcard Reader

Features and Benefits:

- 1 Uses industry proven nonproprietary smartcard technology
- 2 K-SECURE credentials provide anti-counterfeiting protection
- 3 Versatile reader design suitable for both mullion and single gang plate installation
- 4 Designed and engineered with KEYSKAN reliability and quality
- 5 US government option available for FIPS 201 and TWIC compatible transparent reader*

* See ordering options

Specifications:

Size

- Mullion - 4.5" (11.43 cm) x 1.5" (3.8 cm) x 0.62" (1.6 cm)
- Switch Plate - 4.5" (11.43 cm) x 3" (7.62 cm) x 0.62" (1.6 cm)

Read Range

- Off metal - up to 2" (5.1 cm)

Input Voltage

- 12 VDC at reader

Typical Current Draw

- 210 mA (average)

Operating Temperature

- -40° C to 65° C (-40° F to 149° F)

Cable Distance

- 12" wire pigtail standard
- Wiegand interface 500 feet (152 meters)
6 conductor shielded 22 AWG

Indoor/Outdoor Design

- Secured in a rugged, tamper-resistant epoxy potting designed to withstand harsh weather conditions
- Easily installed in any location

Ordering Options:

K-SMART

13.56MHz Contactless Reader, reads secure sector on Keyscan credentials, CSN on others.

K-SMART-GOV

US Government approved FIPS 201 & TWIC transparent reader. Supports PIV types A/B, TWIC Types A/B

Credentials

K-SECURE 1K/4K

13.56MHz Contactless ISO Printable smartcard with built-in Max Secure encryption technology for advanced credential security. Package of fifty (50) cards



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