

# Keyscan iCLASS SE<sup>®</sup> Reader Series

Access control solution

## High security readers

Keyscan iCLASS SE is a high security access control platform for new installations only. Keyscan iCLASS SE goes beyond the traditional smart card model to offer a secure, standards-based, technology-independent and flexible identity data structure based on Secure Identity Object™ (SIO), a new portable credential methodology.

Building on the success of the iCLASS standard for 13.56 MHz contactless smart card technology, iCLASS SE is an improved platform and open system based on the Trusted Identity Platform (TIP) architecture for advanced applications, mobility and heightened security.

iCLASS SE readers enable a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices, providing advanced security and performance.



**Keyscan iCLASS SE goes beyond  
the traditional smart card model**

### Keyscan Elite Key Advantage:

- Expanded iCLASS Elite Key program extends private security by protecting unique credentials, SIOs and programming update keys.

### Multi-Layered Security:

- Ensures data authenticity and privacy through the multi-layered security of HID's SIO.
- SIO Data Binding: Inhibits data cloning by binding an object to a specific credential.

### Performance:

- SIO Media Mapping: Simplifies deployment of third-party objects to multiple types of credentials.
- Field Programmable Readers: Provides secure upgrades for migration and extended lifecycle.





These Keyscan credentials are designed to function only with Keyscan iCLASS SE Reader Series.

KC2K2SE 2K2 Clamshell Card, 36 Bit, Elite Key

KF2K2SE 2K2 Smart Fob - 36 Bit, Elite Key

KI2K2SE 2K2 ISO Smart Card, 36 Bit, Elite Key

# Specifications

Access Control Unit	KR10SE	KR15SE (special order)	KR40SE	KRK40SE
				
Typical read range*	2.8" (7.1 cm)	2.6" (6.6 cm)	3.5" (8.9 cm)	3.4" (8.6 cm)
Mounting	Mini-Mullion Size; physically the smallest iCLASS readers and are ideally suited for mullion-mounted door installations, U.S. single-gang J-box or any flat surface		Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing	
Color	Black			
Keypad	No	No	No	Yes
Dimensions	1.9" x 4.1" x 0.9" (4.8 x 10.3 x 2.3 cm)	1.9" x 6.0" x 0.9" (4.8 x 15.3 x 2.3 cm)	3.3" x 4.8" x 1.0" (8.4 x 12.2 x 2.4 cm)	3.3" x 4.8" x 1.1" (8.4 x 12.2 x 2.8 cm)
Product weight (pigtail)	3.9 oz (113g)	5.3 oz (151g)	7.7 oz (220g)	9.0 oz (256g)
Product weight (terminal strip)	2.9 oz (84g)	4.2 oz (120g)	7.5 oz (215g)	8.0 oz (226g)
Operating voltage range	5-16 VDC, Linear supply recommended			
Standard current draw (mA)	60	60	65	85
Peak current draw (mA)**	200	200	200	220
Operating temperature	-31° to 150° F (-35° to 65° C)			
Storage temperature	-67° to 185° F (-55° to 85° C)			
Operating humidity	5% to 95% relative humidity non-condensing			
Transmit frequency	13.56MHz			
13.56 MHz card compatibility	Secure Identity Object™ (SIO) on iCLASS® SE™, ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN			
Cable distance	Wiegand Interface 500ft (150m) (22AWG) - Use Shielded cable for best results			
Panel connection	Pigtail			
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU)			
Warranty	Limited lifetime warranty			

\* Typical read range achieved in air. Different types of metal will cause some degradation (typically up to 20%). Use spacers to space product off metal and improve read range if required.

\*\* NSC Normal Standby Current

\*\*\* Measured in accordance with UL294 standards

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