KABA®

Keyscan iCLASS SE Reader Series
Next generation iCLASS readers

The next generation high-frequency access control solution

Keyscan iCLASS SE is the next generation 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 a new 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.

KR15SE
KRK40SE
KR40SE
KR10SE

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	KI16K16SE	16K/16 ISO Smart Card, 36 Bit, Elite Key
KI2K2SE	2K2 ISO Smart Card, 36 Bit, Elite Key		
KI2K2MSE	2K2 ISO Smart Card w Magstripe, 36 Bit, Elite Key	KF2K2SE	2K2 Smart Fob - 36 Bit, Elite Key
		KT2K2SE	2K2 Smart Tag - 36 Bit, Elite Key

Specifications:

	KR10SE	KR15SE	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	Black	Black	Black
Keypad	No	No	No	Yes
Dimensions Inches	1.9 x 4.1 x 0.9	1.9 x 6.0 x 0.9	3.3 x 4.8 x 1.0	3.3 x 4.8 x 1.1
Centimeters	4.8 x 10.3 x 2.3	4.8 x 15.3 x 2.3	8.4 x 12.2 x 2.4	8.4 x 12.2 x 2.8
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	-31º to 150º F (-35º to 65º C)			
Storage temperature	-67º to 185º F (-55º to 85º C)			
Operating humidity	5% to 95% relative humidity non-condensing			
Transmit frequency	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz`
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	Pigtail	Pigtail	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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