KEYSCAN ACCESS CONTROL SYSTEMS FROM KEYSCAN INC.

iCLASS SE Series

Next Generation iCLASS Reader Series

iCLASS SE® – Next generation high-frequency access control

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.

Benefits of Keyscan iCLASS SE platform:

Keyscan Elite Key Advantage:

- Expanded Keyscan iCLASS Elite Key program extends private security by protecting uniquely keyed 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.
- EAI5+ Certified Secure Element Hardware provides tamper-proof protection of keys/cryptographic operations.

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.
- RGB LEDs : Delivers increasing capability for troubleshooting.

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

- **KC2K2SE** iCLASS SE 2K2 Clamshell Card, 36 Bit, Elite Key
- **KI2K2SE** iCLASS SE 2K2 ISO Smart Card, 36 Bit, Elite Key
- **KI2K2MSE** iCLASS SE 2K2 ISO Smart Card w Magstripe, 36 Bit, Elite Key
- **KI16K16SE** iCLASS SE 16K/16 ISO Smart Card, 36 Bit, Elite Key
- **KF2K2SE** iCLASS SE 2K2 Smart Fob - 36 Bit, Elite Key
- **KT2K2SE** iCLASS SE 2K2 Smart Tag - 36 Bit, Elite Key

How Keyscan iCLASS SE Legacy and iCLASS SE readers and credentials are designed to work:

iCLASS SE Series

Next Generation iCLASS Reader Series

Specifications:

	KR10SE	KR15SE	KR40SE	KRK40SE
				
Typical read range*	iCLASS SE: 2.8" (7.1 cm)	iCLASS SE: 2.6" (6.6 cm)	iCLASS SE: 3.5" (8.9 cm)	iCLASS SE: 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 (with mud ring) 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			Yes (4x3)
Dimensions	1.9" x 4.1" x 0.9" 4.8cm x 10.3cm x 2.3cm	1.9" x 6.0" x 0.9" 4.8cm x 15.3cm x 2.3cm	3.3" x 4.8" x 1.0" 8.4cm x 12.2cm x 2.4cm	3.3" x 4.8" x 1.1" 8.5cm x 12.2cm x 2.8cm
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)	8.0oz (226g)
Operating Voltage Range	5-16 VDC, Linear supply recommended			
Current Draw Standard Power Mode** (mA)	70	110	80	105
Peak Current Draw Standard Power or IPM Mode*** (mA)	250	260	240	320
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	13.56 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			
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU)			
Warranty	Limited Lifetime			

* 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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