

# MultiCLASS SE Series

## Next Generation MultiCLASS Reader Series

### MultiCLASS SE® – Adaptable high-frequency access control

Keyscan MultiCLASS SE is the next generation access control platform that goes beyond the traditional smart card model to offer a secure, standards-based, and flexible platform that has become the new benchmark for highly adaptable interoperable access control solutions.

MultiCLASS SE readers simplify transition projects from legacy technologies with support for 125 kHz proximity (Keyscan, HID

and Indala) and provide customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change.

The technology-independent readers also support iCLASS Seos™ and iCLASS SE credential platforms, as well as standard iCLASS, MIFARE and other leading technologies



#### Benefits of Keyscan MultiCLASS 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.
- EAL5+ 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 credentials are designed to function only with Keyscan MultiCLASS SE Series readers.

- 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 MultiCLASS SE Legacy and MultiCLASS SE readers and credentials are designed to work:



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### Specifications:

	KRP10SE	KRP15SE	KRP40SE	KRPK40SE
				
Typical read range*	iCLASS SE: 2.6" (6.6 cm)	iCLASS SE: 2.9" (7.4 cm)	iCLASS SE: 3.5" (8.9 cm)	iCLASS SE: 3.3" (8.4 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)	4 oz (114g)	5.2 oz (149g)	7.8 oz (222g)	9.1 oz (258g)
Product Weight (Terminal Strip)	3.0 oz (85g)	4.3 oz (124g)	7.6 oz (216g)	8.0 oz (226g)
Operating Voltage Range	5-16 VDC, Linear supply recommended			
Current Draw Standard Power Mode** (mA)	110	120	110	120
Peak Current Draw Standard Power or IPM Mode** (mA)	260	280	265	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 & 125 kHz			
13.56 MHz Card Compatibility	Secure Identity Object™ (SIO) on iCLASS® SE/SR™, -ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN			
125 kHz Card Compatibility†	Keyscan, HID, AWID, Indala, EM41-2			
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.

\*\* Measured in accordance with UL294 standards

\*\*\* UL294 functionally certified for Wiegand output only

† If a technology read range is not listed, the compatibility is not currently available in the associated reader model.

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901 Burns Street East  
Whitby, Ontario, L1N 0E6, Canada  
Toll Free: 1.888.KEYSCAN (Canada/US)  
Tel: +1.905.430.7226  
Web: www.keyscan.ca

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