iCLASS SE readers with SEOS profile
High frequency 13.56 readers with SEOS technology

Leading edge SEOS technology powers access control future

R40SO

RK40SO

R10SO

Keyscan's iCLASS SE® readers and credentials featuring SEOS® technology represent the new standard in access control. Highly secure, this advanced reader will support innovation in access control now and in future.

SEOS® is a breakthrough credential technology that represents a new way of thinking about end-user experiences. Solutions that are powered by SEOS offer access to more applications....with the confidence of best-in-class security and privacy protection.

- **Highly Secure –** Features advanced credential technology, providing the highest level of security available today.

- **Simple –** Readers designed to meet any installation requirement.

- **Secure –** A new standard for access control for new installations. Functions only with iCLASS SEOS credentials.

Advanced SEOS reader will support access control innovation well into the future

The Keyscan iCLASS SE Reader with SEOS technology only functions with Keyscan iCLASS SEOS credentials.

I8KSEOS - SIO-enabled, high security smart card credential in 8K format. This high frequency smart card provides the strongest authentication for securing physical access. This credential will function in Keyscan access control systems with both iCLASS SE and iCLASS SE (SEOS technology) environments.

iCLASS® Seos® Card

HID

PLATINUM
HID
Physical Access

	R10SO	R40SO	RK40SO
Typical read range*	1.5" (2.5 cm)	2" (5.1 cm)	2" (5.1 cm)
Mounting	Designed for door applications requiring a small footprint card reader	Designed for door applications requiring standard wall switch mounting	Designed for door applications requiring standard wall switch mounting, supports keypad
Color	Black	Black	Black
Keypad	No	No	Yes
Dimensions - Inches Dimensions - CM	1.9 x 4.1 x 0.9 4.8 x 10.3 x 2.3	4.5 x 4.6 x 1.2 11.4 x 11.8 x x3.0	4.5 x 4.6 x 1.2 11.4 x 11.8 x x3.0
Product weight (pigtail)	3.9oz (113g)	12.3oz (348g)	12.3oz (348g)
Operating voltage range	5-16 VDC		
Standard current draw (mA)**	95mA	130mA	130mA
Peak current draw (mA)***	200mA	220mA	220mA
Operating temperature	-30º to 150º F (-35º to 65º C)	-30º to 150º F (-35º to 65º C)	-30º to 150º F (-35º to 65º C)
Storage temperature	-67º to 185º F (-55º to 85º C)	-67º to 185º F (-55º to 85º C)	-67º to 185º F (-55º to 85º C)
Operating humidity	5% to 95% relative humidity non-condensing	5% to 95% relative humidity non-condensing	5% to 95% relative humidity non-condensing
Transmit frequency	13.56 MHz	13.56 MHz	13.56 MHz
Card compatibility	Secure Identity ObjectTM (SIO®) on iCLASS SEOS	Secure Identity ObjectTM (SIO®) on iCLASS SEOS	Secure Identity ObjectTM (SIO®) on iCLASS SEOS
Cable distance	Wiegand Interface 500ft (150m) (22AWG) Use Shielded cable for best results	Wiegand Interface 500ft (150m) (22AWG) Use Shielded cable for best results	Wiegand Interface 500ft (150m) (22AWG) Use Shielded cable for best results
Panel connection	Pigtail	Pigtail	Pigtail
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada)	UL294/cUL (US), FCC Certification (US), IC (Canada)	UL294/cUL (US), FCC Certification (US), IC (Canada)
Warranty	Limited lifetime warranty	Limited lifetime warranty	Limited lifetime warranty

* Typical read range achieved in air. Installations on metal cause degradation (typically up to 20%). Use of spacers can improve metal installation read range if required.
** NSC Normal Standby Current
*** Measured in accordance with UL294 standards