

# RFID & MOBILE

## Signo Readers

- Compatible Credentials:
  - HID Prox
  - iCLASS
  - SEOS
  - Mobile
- Easily migrate from Prox to iCLASS to SEOS and even Mobile with SEOS.
- Multi-Layered security to ensure data authenticity and privacy
- EAL5+ Certified Secure Element Hardware
- Trusted secure authentication using the SIO data model
- Robust outdoor performance with an IP65 rating



## Mobile Reader

Signo readers set a new industry benchmark for the most highly adaptable, interoperable and secure approach to electronic access control. Offering an unparalleled breadth of functionality, Signo affords security system installers and administrators a simple and effective approach to secure access control for almost any scenario.

With support for the widest array of credential technologies past, present and future Signo is the perfect choice for those looking to make the transition to a secure authentication technology.

Signo readers transcend the traditional approach to security by being designed to be connected and managed remotely without needing to physically touch each device.

This functionality empowers access control systems to dynamically respond as new needs, configurations or threats arise.

Mobile Access® opens doors in a whole new way. With patented gesture technology, just twist the mobile device upon approaching a door or parking gate for seamless access.

Rarely misplaced and consistently in hand, the mobile device has become the most valued technology we own. Mobile Access merges security with convenience by storing secure identities on smartphones for opening doors and gates. This powerful solution enables Android or iOS phones to communicate with readers using a close-range "Tap" mode, or from a distance with Twist and Go" mode.

Active feedback including vibration and sound enhances the user experience when opening doors.

Mobile Access makes managing access control easy. As well as the usual ability to enable or disable access from Doors Enterprise you can also manage Mobile IDs through a robust online portal.

Send invitations and provision or revoke Mobile IDs over-the-air. No physical encoding, printing or returns are necessary

Android and iPhone smartphones. Which makes it a technology that most people can utilize.

## Specification

### Electrical

Operating Voltage Range	5-16 VDC
Peak Current	250mA
Average Current	50mA
Frequencies	125KHz 13.56 MHz 2.4 GHz
Cable Distance (Max)	100m

### Mobile Device requirements

Android	4.4 and later
Apple iOS	iOS 7.0 and later
Bluetooth	V4.0 and later

### Range

Tap Mode	0 to 10cm
Twist & Go Mode	up to 200cm

### Environment

Operating Temperature	-20 to 65°C
Operating Humidity	0 to 95%

### Reader

Material	Polycarbonate
Power Supply	5 – 16 VDC
Current Requirements	240mA PEAK
Temperature Range	-25°C to 65°C
Operating Humidity	5% to 95% non-condensing
Cable Distance	100m
Dimensions	4.8 x 10.3 x 2.3 cm
Termination	18" Pigtail or Terminal

## Product Codes

Description	Code
Mobile only Reader	4720
Reader for Prox, iCLASS, SEOS or Mobile	4721
Reader for Prox, iCLASS, SEOS or Mobile with Keypad in Mullion Format	4731
Reader for Prox, iCLASS, SEOS or Mobile with Keypad Switch Plate format	4741



## TODAY

### Seos®

- Contactless 13.56 MHz high frequency technology
- Enhanced data protection and privacy protection with standards-based cryptography
- Independent software-based technology introducing form-factor flexibility



Mutual Authentication Key



Encryption

Memory (smart device)



Multiple Secure Applications

Secure Identity Object (SIO)



**Enhances Security:**

- Unique digital user ID information
- Digital signature authentication
- Cryptographically protected data
- Encrypted

Digital Credential



**Seos credential can be loaded to a mobile device**

## 2010s

### iCLASS SE®

- Contactless 13.56 MHz high frequency technology
- Enhanced data protection and privacy protection plus Secure Identity Object



Mutual Authentication Key



Encryption

Memory (smart card)



Secure Identity Object (SIO)



**Enhances Security:**

- Unique digital user ID information
- Digital signature authentication
- Cryptographically protected data
- Encrypted

## 2000s

### iCLASS®

- Early contactless 13.56 MHz high frequency technology
- Introduction of encrypted communication and data storage



Mutual Authentication Key



Encryption

Memory (smart card)



## 1990s

### HID Prox

- 125 kHz contactless low frequency technology
- Outputs the same static number every time



Memory Chips



Low Frequency