iCLASS SE Readers

Note: See *Selecting the Right Reader* on page 6 for guidance.

iCLASS SE Reader - Seos Profile with Bluetooth Option

Application: Designed to instill confidence with best-in-class security and privacy protection.

Technologies Supported: iCLASS Seos, HID Prox, and HID Mobile Access® Mobile IDs via NFC and/or Bluetooth Smart.

1. Select one option from each of the following sections to construct part number:

Reader Model (Select one model)

☐ 900 - Model R10 - Designed for door applications requiring a small footprint card reader.

☐ 910 - Model R15 - Designed for door applications requiring a mullion style mounting.

☐ 920 - Model R40 - Designed for door applications requiring standard wall switch mounting.

☐ 921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input.

125 KHz Credential Support (Select one option)

☐ N - No 125 KHz support
☐ P - Support for HID Prox

13.56 MHz and Bluetooth credential support (Select one option)

☐ S - Supports iCLASS Seos cards, and Mobile IDs via NFC
☐ B - Supports iCLASS Seos cards, and Mobile IDs via NFC and Bluetooth Smart.

Controller Communication

☒ N - Wiegand

Wiring Connection (Select one option)

☐ N - Pigtail
☐ T - Terminal strip

Hardware Revision

☒ E - Revision E

Color

☒ K - Black

Keyset (Select one option)

☐ 2 - Standard and Mobile-Ready - supports iCLASS Seos credentials with standard keys. Prepared to support HID Mobile Access, but lacks the personalized configuration to read an organization's specific Mobile IDs. This configuration can be ordered at any time but will require field activation after the organization has completed registration for HID Mobile Access.

☐ E - HID Elite and Mobile-Enabled - supports iCLASS Seos credentials and Mobile IDs. Fully activated and personalized to support an organization's specific Mobile IDs. These readers can only be ordered after the organization has completed registration for either HID Elite or HID Mobile Access. If HID Elite reference (ICE) is given at time of order, only iCLASS Seos credentials with HID Elite keys are supported. If Mobile Reference (MOB) is given at time of order, only iCLASS Seos credentials with standard keys are supported.

Configuration Settings

☒ 0000 - Standard configuration. All iCLASS SE Readers - Seos Profile ship with the following standard configuration:

- LED normally red, LED flashes green and beeps on card read
- Keypad output is 4-bit (if keypad reader)

Non-standard configuration can be applied at time of installation using the configuration card accessories listed on next page.

2. Enter the numbers/letters from the selections above into the table below.

The resulting “Final Part Number” is used when ordering reader.

	Reader Model	125 KHz	13.56 MHz	Communication	Wiring	HW Rev	Color	Keyset	Config Setting
Example	920	N	S	N	T	E	K	2	0000
Final Part Number				N		E	K		0000

3. Place an order.

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.
Contact information is available at: http://www.hidglobal.com/customer-service

Need credentials? Credentials supported by this reader model includes (depending on options chosen above):

- Mobile IDs
- iCLASS Seos
- iCLASS Seos + Prox

iCLASS SE Reader - Seos Profile Configuration Cards

Config Card Number	Description
SE-SEOS-2-CRD0	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - all cards (21 cards)
SE-SEOS-E-CRD0	iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - all cards (21 cards)
SE-SEOS-2-CRD1	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Seos and prox settings (4 cards) Contains cards used to change the priority setting of iCLASS Seos and Prox technologies
SE-SEOS-2-CRD2	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Panel output settings (3 cards) Contains cards used to change the reader output between Wiegand and OSDP
SE-SEOS-2-CRD3	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Audio visual settings (13 cards) Contains cards used to change behaviour of reader LED and beeper
SE-SEOS-2-CRD4	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - keypad format settings (4 cards) Contains cards used to change output settings of keypad reader models
SE-SEOS-E-CRD1	iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - Seos and prox settings (4 cards) Contains cards used to change the priority setting of iCLASS Seos and Prox technologies
SE-SEOS-E-CRD2	iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - Panel output settings (3 cards) Contains cards used to change the reader output between Wiegand and OSDP
SE-SEOS-E-CRD3	iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - Audio visual settings (13 cards) Contains cards used to change behaviour of reader LED and beeper
SE-SEOS-E-CRD4	iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - keypad format settings (4 cards) Contains cards used to change output settings of keypad reader models

Note: The above configuration cards are only intended for use with iCLASS SE Reader - Seos profile.

iCLASS SE Reader - Standard Profile with Bluetooth

Application: Designed to ensure compatibility with legacy credentials and capability to support the future.

Technologies Supported: Wide variety of contactless credentials including HID Mobile Access Mobile IDs via NFC and/or Bluetooth Smart.

1. Select one option from each of the following sections:

Reader Model (Select one model)

☐ 900 - Model R10 - Designed for door applications requiring a small footprint card reader.

☐ 910 - Model R15 - Designed for door applications requiring a mullion style mounting.

☐ 920 - Model R40 - Designed for door applications requiring standard wall switch mounting.

☐ 921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input.

125 KHz Credential Support (Select one option)

☐ N - No 125 KHz support
☐ P - Support for HID Prox, AWID and EM4102 (32 bits)

13.56 MHz and Bluetooth Credential Support

☒ M - Support for HID Mobile Access Mobiles IDs via NFC and Bluetooth Smart - reader equipped with Bluetooth Smart module. Also supports iCLASS Seos, iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO), MIFARE DESFire EV1 (SIO) and ISO 14443 UID.

Controller Communication (Select one option)

☐ N - Wiegand
☐ C - Clock & Data
☐ P - OSDP

Wiring Connection (Select one option)

☐ N - Pigtail
☐ T - Terminal strip

Hardware Revision

☒ E - Revision E

Color

☒ K - Black

Keyset (Select one option)

☐ M - Mobile-Ready: Prepared to support HID Mobile Access, but lacks the personalized configuration to read an organization's specific Mobile IDs. This configuration can be ordered at any time but will require field activation after the organization has completed registration for HID Mobile Access.

☐ E - Mobile-Enabled: Fully activated and personalized to support an organization's specific Mobile IDs. These readers can only be ordered after the organization has completed registration for either HID Elite or HID Mobile Access. If HID Elite reference (ICE) is given at time of order, only iCLASS Seos credentials with HID Elite keys are supported. If Mobile Reference (MOB) is given at time of order, only iCLASS Seos credentials with standard keys are supported.

Configuration Setting (Select one option)

Standard configuration: All iCLASS SE Readers - Standard Profile with Bluetooth Smart ship with the following features

- Controller Communication = N - Wiegand, or P - OSDP
- LED normally red, LED flashes green and beeps on card read
- Keypad output is 4-bit (if keypad reader)

This configuration is represented by the following standard configuration setting extensions listed.

Communication	125KHz Support	Keypad Reader	Extension
N - Wiegand	N - No	No	☐ **A001**
		Yes	☐ **A002**
	P - Yes	No	☐ **A003**
		Yes	☐ **A004**
P - OSDP	N - No	No	☐ **A005**
		Yes	☐ **A006**
	P - Yes	No	☐ **A007**
		Yes	☐ **A008**

ANY other option selected (including Clock & Data communication) requires a Non-Standard configuration EXTENSION. To determine configuration options, use the Select tab on the *iCLASS SE Configuration Guide* spreadsheet at the following link: www.hidglobal.com/node/19914. Your HID Global Support or Sales representative can help you determine your final configuration.

2. Enter the numbers/letters from the previous selections into the following table.

The resulting “Final Part Number” is used when ordering reader.

	Reader Model	125 KHz	13.56 MHz	Communication	Wiring	HW Rev	Color	Keyset	Config Setting
Example	920	N	M	N	T	E	K	M	A001
Final Part Number			M			E	K		

3. Place an order.

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.
Contact information is available at: http://www.hidglobal.com/customer-service

Need credentials? Credentials supported by this reader model includes (depending on options chosen above):

- Mobile IDs
- iCLASS Seos
- iCLASS
- MIFARE DESFire EV1
- MIFARE Classic

iCLASS SE Reader - Standard Profile

Application: Designed to ensure compatibility with legacy credentials and capability to support the future.

Technologies Supported: Wide variety of contactless credentials including HID Mobile Access Mobile IDs via NFC.

1. Select one option from each of the following sections:

Reader Model (Select one model)

☐ 900 - Model R10 - Designed for door applications requiring a small footprint card reader.

☐ 921 - Model RK40 - Designed for door applications requiring standard wall switch mounting. Supports keypad input.

☐ 910 - Model R15 - Designed for door applications requiring a mullion style mounting.

☐ 929 - Model RKL400 - Designed for door applications requiring LCD display. – Coming soon, contact your HID Sales Represenative

☐ 920 - Model R40 - Designed for door applications requiring standard wall switch mounting.

☐ 940 - Model R90 - Designed for vehicle access applications requiring extended read range.

☐ 95A - Décor model - Designed for door applications requiring low profile EU square wall switch mounting.

125 KHz Credential Support (Select one option)

☐ N - None
☐ P - Supports HID Prox, AWID and EM4102 (32 bits). *Not available on models 940 or 95A.*
☐ L - Supports Indala® Prox, please make sure to provide needed format at time of order. Not available on models 929, 940 or 95A. Not available with OSDP communication and/or Custom Programming or Transit.

13.56 MHz Credential Support (Select one option)

	iCLASS Seos	iCLASS SE	iCLASS SR	iCLASS	MIFARE Classic (SIO)	MIFARE DESFire EV1 (SIO)	Mobile IDs via NFC	Mobile IDs via Bluetooth Smart	ISO14443 UID	MIFARE Classic (Custom data)	MIFARE DESFire EV1 (Custom data)	FeliCa IDm	CEPAS CAN or UID
☐ N - High security	●	●	●	-	●	●	●	-	-	-	-	-	-
☐ T - Maximum compatibility	●	●	●	●	●	●	●	-	●	-	-	-	-
☐ R - FeliCa and CEPAS[1]	●	●	●	●	●	●	●	-	●	-	-	●	●
☐ W - Custom programming[2]	○	○	○	○	○	○	○	-	○	●	●	-	-

● Supported
○ Optionally supported
- Not supported

[1] Not available on model 940.
[2] Consult your regional technical support representative for specific configurations.

Controller Communication (Select one option)

☐ N - Wiegand
☐ C - Clock & Data
☐ P - OSDP

Wiring Connection (Select one option)

☐ N - Pigtail (Not available on models 929, 940 or 95A)
☐ T - Terminal strip

Hardware Revision

☒ E - Revision E

Color (Select one option)
☐ K - Black
☐ W - White. Only available on 95A model.
☐ G - Gray. Only available on 95A model.

Keyset (Select one option)
☐ 0 - Standard v1 - Supports credentials with default HID keys, including iCLASS and iCLASS SR.
☐ 2 - Standard v2 - Supports credentials with default HID keys, not including iCLASS and iCLASS SR.
☐ E - HID Elite - Supports credentials with HID Elite keys, including iCLASS and iCLASS SR, and/or Mobile IDs. *Key reference (ICE or MOB) required at time of order.*

Configuration Setting
☐ 0000 - Standard configuration (not available on 929):
- 125 kHz Credential Support = N – None or P – Supports HID Prox, AWID and EM4102 (32 bits)
- 13.56MHz Credential Support = T - Maximum Compatibility
- Controller Communication = N - Wiegand
- Keyset = 0 - Standard v1 or E - HID Elite
- LED normally red, LED flashes green and beeps on card read
- Keypad output is 4-bit (if keypad reader)

☐ xxxx - Non-Standard configuration: ANY other options selected above requires a Non-Standard 4 digit extension. To order non-standard configuration options, use the Select tab on the iCLASS SE Configuration spreadsheet at the following link www.hidglobal.com/node/19914. Your HID Global Support or Sales representative can help you determine your final configuration.

2. Enter the numbers/letters from the selections above into the following table:

The resulting "Final Part Number" is used when ordering reader.

Reader Model		125 KHz	13.56 MHz	Communication	Wiring	HW Rev	Color	Keyset	Config Setting
Example	920	N	T	N	T	E	K	2	0000
Final Part Number						E			

3. Place an order.

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.
Contact information is available at: www.hidglobal.com/customer-service

Need credentials? Credentials supported by this reader model include the following, depending on options chosen above:

- Mobile IDs
- iCLASS Seos
- iCLASS
- iCLASS SE
- MIFARE DESFire EV1
- MIFARE Classic

iCLASS SE Biometric Reader - Wiegand or OSDP

Application: Designed for door applications requiring multi-factor authentication including biometric.

Technologies Supported: iCLASS® Seos® 8kB and iCLASS® 16kb-32kb credentials

4. Select one option from each section below:

Reader Model (Select one model)

☐ 928 - Model RKLB40 - Designed for door applications requiring multi-factor authentication including biometric. Featuring an LCD display, biometric sensor and keypad.

125 KHz Credential Support

☒ N - No 125 KHz support

13.56 MHz credential support (Select one option)

☐ S – Supports biometric template on iCLASS Seos credentials
☐ F – Supports biometric template on iCLASS Seos, iCLASS SR and iCLASS credentials

Controller Communication (Select one option)

☐ N – Wiegand
☐ C - Clock & Data
☐ P – OSDP – Coming soon, contact your HID Sales Represenative

Controller Connection

☒ T - Terminal strip

Hardware Revision

☒ E - Revision E

Color

☒ K - Black

iCLASS Support/Keyset (Select one option)

☐ 0 - Standard v1 – Supports iCLASS Seos, iCLASS SR and iCLASS credentials with default HID keys.
☐ 2 - Standard v2 - Supports iCLASS Seos credentials with default HID keys.
☐ E - HID Elite - Supports iCLASS Seos, iCLASS SR and iCLASS credentials with HID Elite keys. *Key reference (ICE or MOB) required at time of order.*

Configuration Setting

Standard configuration iCLASS SE Biometric ship with the following features

- Controller Communication = N - Wiegand or P – OSDP
- 13.56 Mhz Credential Support = S - iCLASS Seos or F - iCLASS Seos, iCLASS SR and iCLASS
- LED normally red, LED flashes green and beeps on card read
- Controller PIN verification with Keypad output 4-bit (local PIN verification is a non-standard configuration)

These configuration options are represented by the following standard configuration setting extensions listed.

Controller Communication	13.56 MHz Credential Support	Extension
N - Wiegand	S - iCLASS Seos	☐ **00TG**
	F - iCLASS Seos, iCLASS SR and iCLASS	☐ **00TE**
P - OSDP	S - iCLASS Seos	☐ **00TH**
	F - iCLASS Seos, iCLASS SR and iCLASS	☐ **00TF**

ANY other option selected (including Clock & Data communication) requires a Non-Standard configuration EXTENSION. To determine configuration options, use the Select tab on the *iCLASS SE Configuration Guide* spreadsheet at the following link: www.hidglobal.com/node/19914. Your HID Global Support or Sales representative can help you determine your final configuration.

5. Enter the numbers/letters from the selections above into the table below.

The resulting "Final Part Number" is used when ordering reader.

Reader Model		125 KHz	13.56 MHz	Communication	Wiring	HW Rev	Color	Keyset	Config Setting
Example	928	N	F	N	T	E	K	0	xxxx
Final Part Number	928				T	E	K		

iCLASS SE Reader - Magnetic Stripe

Application: Designed to ensure compatibility with legacy credentials and capability to support the future.

Technologies Supported: Magnetic stripe cards and a wide variety of contactless credentials including HID Mobile Access Mobile IDs via NFC.

1. Select one option from each of the following sections:

Reader Model (Select one model)

☐ 922 - Model RM40 - Designed for door applications requiring standard wall switch mounting.

☐ 925 - Model RMK40 - Designed for door applications requiring standard wall switch mounting. Supports keypad input.

125 KHz Credential Support (Select one option)

☐ N - No 125 KHz support
☐ P - Support for HID Prox, AWID and EM4102 (32 bit)

13.56 MHz Credential Support (Select one option)

	iCLASS Seos	iCLASS SE	iCLASS SR	iCLASS	MIFARE Classic (SIO)	MIFARE DESFire EV1 (SIO)	Mobile IDs via NFC	Mobile IDs via Bluetooth Smart	ISO14443 UID	MIFARE Classic (Custom data)	MIFARE DESFire EV1 (Custom data)
☐ T - Maximum compatibility	●	●	●	●	●	●	●	-	●	-	-
☐ N - High security Weigand	●	●	●	-	●	●	●	-	-	-	-
☐ W - Custom programming*	○	○	○	○	○	○	○	-	○	●	●

● Supported
○ Optionally supported
- Not supported

* Consult your regional technical support representative for specific configurations.

Controller Communication (Select one option)

☐ N - Wiegand
☐ C - Clock & Data
☐ P - OSDP

Wiring Connection (Select one option)

☐ N - Pigtail
☐ T - Terminal strip

Hardware Revision

☒ E - Revision E

Color

☒ K - Black

iCLASS Support/Keyset (Select one option)

☐ 0 - Standard v1 - Reads credentials with default HID keys including standard iCLASS and/or iCLASS SR.
☐ 2 - Standard v2 - Reads credentials with default HID keys not including standard iCLASS and/or iCLASS SR.
☐ E - HID Elite - Reads credentials with HID Elite keys, including iCLASS and iCLASS SR, and/or Mobile IDs. *Key reference (ICE or MOB) required at time of order.*

Configuration Settings

To determine configuration options, use the **Select** tab on the *iCLASS SE Configuration Guide* spreadsheet at the following link: www.hidglobal.com/node/19914. Your HID Global Support or Sales representative can help you determine your final configuration.

2. Enter the numbers/letters from the selections above into the table below.

The resulting "Final Part Number" is used when ordering reader.

Reader Model		125 KHz	13.56 MHz	Communication	Wiring	HW Rev	Color	Keyset	Config Setting
Example	922	N	N	N	T	E	K	2	0000
Final Part Number						E	K		

3. Place an order.

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service. Contact information is available at: www.hidglobal.com/customer-service.

Need credentials? Credentials supported by this reader model include (depending on options chosen above):

- Mobile IDs
- iCLASS Seos
- iCLASS SE
- iCLASS
- HID Prox
- MIFARE DESFire EV1
- MIFARE Classic