

# iCLASS SE How to Order Guide

#### D00545, Release E.0 November 2015

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#### **Document History**

Date	Author	Description	Version
11/9/15	DM	Updated UHF/iCLASS Card Programming option	E.0
8/1/15	DM	Updated UHF/iCLASS memory size	D.9
7/9/15	DA/DM/JBF	U90 and Windshield Mount information, UHF and Transit updates.	D.8
6/15/15	KH	Removed portions for May 15, 2016 consolidation announcement	D.7
3/25/15	DM	Updated UHF Section.	D.6
03/20/15	GL/BA/DA	Included prominent Laser Engraving customer notification. Added iCLASS SE Magnetic Stripe Readers. Added iCLASS SE – Seos Profile Readers. Added iCLASS SE R90.	D.5
1/9/15	DA	Added U90 Long Range Reader and R90 Extended Range Reader	D.4
12/12/14	DM	UHF card section update.	D.3
10/28/14	GL	Updated laser engraving footnote to reflect removal of inkjet option for Austin.	D.2



## **Contents**

iCLASS SE Credential and Reader System IntroductioniCLASS SE Platform Overview	
README - Important Guidelines	
Announcement regarding Credentials Marking	
Logistics - Ordering Information	
Interoperability - Important Situations	
What should I know about security keysets?	
Elite Key Components - Ordering Information	
iCLASS Seos Credentials	9
500 - iCLASS Seos Card Ordering Guide	
510 - iCLASS Seos + Prox Card Ordering Guide	
520 - iCLASS Seos + iCLASS + Prox Card Ordering Guide	
iCLASS SE Credentials	13
300/305 - iCLASS SE Card Ordering Guide	13
310/315 - iCLASS SE + Prox Card Ordering Guide	
325 - iCLASS SE Key Ordering Guide	16
330 - iCLASS SE Tag Ordering Guide	17
335 - iCLASS SE Clamshell Card Ordering Guide	18
390/391 - iCLASS SE/Other HF - Combination Card Ordering Guide	19
395/396 - iCLASS SE/Other 13.56MHz/Prox - Combination Card Ordering Guide	21
iCLASS SR Credentials	23
200/210 - iCLASS SR Card Ordering Guide	23
202/212 - iCLASS SR + Prox Ordering Guide	24
205 - iCLASS SR Key Ordering Guide	25
206 - iCLASS SR Tag Ordering Guide	
208 - iCLASS SR Clamshell Card Ordering Guide	
232/242 - iCLASS SR/Other HF - Combination Card Ordering Guide	
252/262 - iCLASS/LEGIC/Prox - Combination Card Ordering Guide	
252/262 - iCLASS/Other 13.56 MHz (except LEGIC)/Prox - Combination Card Ordering Guide	
UHF Credentials	
600 - UHF Card Ordering Guide	
601 – UHF/iCLASS Card Ordering Guide	
LEGIC Multi-technology Credentials	37
292/295 - LEGIC/Other 13.56MHz/Prox - Combination Card Ordering Guide	37
293/296 - LEGIC/Other HF - Combination Card Ordering Guide	39
SIO-Enabled Technology for MIFARE Classic Credentials	40
340/345 - MIFARE Classic Card Ordering Guide	40
350/355 - MIFARE Classic + Prox Card Ordering Guide	41
SIO-Enabled Technology for MIFARE DESFire EV1 Credentials	43
370/375 – MIFARE DESFire EV1 Card Ordering Form Guide	
380/385 - MIFARE DESFire EV1 + Prox Card Ordering Form Guide	
iCLASS SE & multiCLASS SE Readers	46
iCLASS SE & multiCLASS Readers - Quick Reference Part Numbers	47
iCLASS SE & multiCLASS SE Readers – Seos Profile	48
iCLASS SE & multiCLASS SE Magnetic Stripe Readers	49
iCLASS SE Decor - Flush Mount Reader	50



CLASS SE U90 – UHF Long Range Reader					
Programming Cards	52				
Reader Configuration	52				
Configuration Cards - Quick Reference Part Numbers	53				
Firmware Update Cards	54				
Accessories	55				
IP65 Upgrade Kit	56				
LIHE Credential Card Holder parts	56				



## iCLASS SE Credential and Reader System Introduction

Building upon the success of HID iCLASS® 13.56 MHz contactless smart card technology, HID Global has created iCLASS SE®, the next-generation access control platform and open ecosystem. This new platform is based on the HID Trusted Identity Platform® (TIP) architecture for a new era of advanced applications, mobility and heightened security threats. iCLASS SE enables a new class of portable identity credentials for securely provisioning and safely embedding into both fixed and mobile devices. iCLASS SE provides advanced security and performance functionality while enabling the use of portable and virtual credentials on Secure Element-based devices (such as mobile devices). iCLASS SE also enables users to add security levels, customize security protection, and extend system capabilities without having to overhaul the device infrastructure and applications.

iCLASS SE goes beyond the traditional smart card model to introduce a more secure, standards-based, technology-independent and flexible identity data structure based on a new portable credential and virtual methodology called the Secure Identity Object™ (SIO®)

In November 2011, HID introduced iCLASS SE credentials and readers as the first products with SIO support. These products support interpretation and authentication of this data structure and is HID Global's iCLASS SIO-Enabled (SE) reader and credential family

In October 2012, HID Global introduced the next generation of credentials with iCLASS Seos<sup>®</sup>. This product provides a highly secure, standards-based system for the generation, delivery, and revocation of digital keys to open doors and verify identities.

The iCLASS SE credential and reader ecosystem is designed to raise the bar for overall system security while supporting key emerging technologies that deliver superior performance, enhanced usability, and increased environmental sustainability. In addition, iCLASS SE readers and credentials are the first access control products to operate under the HID TIP framework creating a secure and trusted boundary in which all cryptographic keys governing system security are delivered with end-to-end privacy and integrity.

#### iCLASS SE Platform Overview

The first endpoints based on the Secure Identity Object platform are iCLASS SE readers and credentials. The family includes the following:

#### Credentials

- iCLASS Seos
- iCLASS SE and SIO-Ready (SR) both belong to iCLASS SE family
- SIO-Enabled UHF
- SIO-Enabled Technology for MIFARE®
- SIO-Enabled Technology for MIFARE DESFire® EV1

#### Readers

- iCLASS SE
- multiCLASS SE<sup>®</sup>

#### Support and Accessories

- · Configuration cards
- · Firmware update cards

#### Credentials

iCLASS Seos credentials deliver enhanced security, data confidentiality and stronger authentication for user data. Seos comprises a generic card edge (card command interface) to meet the growing demand for interoperability; a secure messaging protocol to protect data transmission. In addition, Seos provides an open software architecture that is portable to a range of mobile devices and microprocessors. The credential offers enhanced privacy protection by delivering data confidentiality and integrity between the smart card and the reader to prevent sensitive/personal data from being intercepted or cloned. Seos credentials are only delivered with SIO objects and are not backwards compatible with standard iCLASS offerings (one or several according to your requirements).

iCLASS SE Credentials are available in either SIO-Enabled (SE) or SIO-Ready (SR) configurations:

SE credentials come with a single access control data payload, the SIO. iCLASS SE credentials provide the highest level of data integrity and privacy, this type of card maximizes security.

SR credentials come with at least two access control data payloads, the SIO and a legacy access control data payload. SR credentials provide backward compatibility with currently deployed systems, this type of card maximizes compatibility. SR credentials should be purchased when the site needs legacy application support, or when the site plans to eventually migrate to SIO security.

iCLASS SE and SR credentials are available in all standard card bodies and form factors offered by HID.

iCLASS SE credentials are designed to work in a **new** installation of iCLASS SE readers and are **not** compatible with standard iCLASS readers.



iCLASS SR credentials are designed to work in an **existing** installation of standard iCLASS readers. iCLASS SR credentials are compatible with standard iCLASS readers. iCLASS SR credentials are also compatible with iCLASS SE readers.

Card Type	Data Payload	Works with Standard iCLASS Cards & Readers	Advantage
iCLASS Seos	Single	No	Increased security, programmable card, portability, interoperability (standards based) and usability (read range).
SIO-Enabled (SE)	Single	No	Maximizes Security
SIO-Ready (SR)	Dual	Yes	Maximizes compatibility with deployed reader base.

MIFARE Classic and MIFARE DESFire EV1 credentials are available in SE configuration only. MIFARE DESFire EV1 SE credentials come in standard card body options.

Card Technology	SE Available	SR Available
iCLASS SE 2, 32 KB	Yes	Yes
SIO-Enabled Technology for MIFARE DESFire EV1 8KB	Yes	No
SIO-Enabled Technology for MIFARE Classic 1K or 4KB	Yes	No
SIO Enabled Technology for UHF	No	Yes

Note: SIO objects only apply to 13.56 MHz contactless Smart Card technology.

**Credential Card Markings (for SIO-only cards)** 

Model Number	Description	External Card Designation
3000	iCLASS SE 2k	©HID iCLASS JH SE
3003 / 3004	iCLASS SE 32k	©HID iCLASS JH SE
3050	iCLASS SE 2k Composite	©HID iCLASS JH SE XT
3053 / 3054	iCLASS SE 32k Composite	©HID iCLASS JH SE XT
3100	iCLASS SE 2k + Prox	©HID iCLASS JAH SE
3103 / 3104	iCLASS SE 32k + Prox	©HID iCLASS JAH SE
3150	iCLASS SE 2k + Prox	©HID iCLASS JAH SE XT
3153 / 3154	iCLASS SE 32k + Prox	©HID iCLASS JAH SE XT
3400	SIO-Enabled Technology for MIFARE 1K	©HID MIFARE BH SE
3406	SIO-Enabled Technology for MIFARE 4K	©HID MIFARE CH SE
3450	SIO-Enabled Technology for MIFARE 1K Composite	©HID MIFARE BH SE XT
3456	SIO-Enabled Technology for MIFARE 4K Composite	©HID MIFARE CH SE XT
3500	SIO-Enabled Technology for MIFARE 1K + Prox	©HID MIFARE BAH SE
3506	SIO-Enabled Technology for MIFARE 4K + Prox	©HID MIFARE CAH SE
3550	SIO-Enabled Technology for MIFARE 1K + Prox Composite	©HID MIFARE BAH SE XT
3556	SIO-Enabled Technology for MIFARE 4K + Prox Composite	©HID MIFARE CAH SE XT
3700	SIO-Enabled Technology for MIFARE DESFire EV1 8K	©HID DESFire DH SE
3750	SIO-Enabled Technology for MIFARE DESFire EV1 8K Composite	©HID DESFire DH SE XT
3800	SIO-Enabled Technology for MIFARE DESFire EV1 8K + Prox	©HID DESFire DAH SE
3850	SIO-Enabled Technology for MIFARE DESFire EV1 8K + Prox Composite	©HID DESFire DAH SE XT
5005	iCLASS Seos 16K Composite	©HID iCLASS Seos JH XT
5006	iCLASS Seos 8K Composite	©HID iCLASS Seos JH XT
5105	iCLASS Seos 16K + Prox Composite	©HID iCLASS Seos JAH XT
5106	iCLASS Seos 8K + Prox Composite	©HID iCLASS Seos JAH XT
600	SIO-Enabled Technology for UHF Composite	©HID UHF GH XT

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November 2015 Page 5 of 56



#### iCLASS SE Readers

#### Interpreters:

iCLASS SE readers support multiple card data interpreters that enable authentication, extraction, interpretation and output of the programmed credential data. The following is a list of interpreters and their primary card compatibility.

- · Default All iCLASS SE and multiCLASS SE Readers
  - Secure Identity Object Interpreter: Select Secure Identity Object Interpreter for compatibility with HID's SIO,
    offers highest level of security of all reader interpreters because it is based on data layer protection utilizing industry
    standard secure authentication and signing algorithms.
- · Default for all multiCLASS SE Readers
  - o 125 kHz Prox Interpreter: For 125 kHz credentials including support of HID Prox, AWID and EM4102.
- Non-Default (security can be downgraded during order entry or in field to support)
  - Standard iCLASS Access Control Interpreter: For compatibility with standard iCLASS Access Control Applications on iCLASS credentials, select 13.56 MHz Interpreter = "Standard".
  - o CSN Interpreter: For CSNs of ISO14443A/B and ISO15693 compliant credentials, select the CSN Interpreter.

#### Form Factors:

Additionally, iCLASS SE and multiCLASS SE readers come in a variety of finished reader forms and hardware configurations including the following.

- Mini-Mullion: For a mullion mounted product, which is the smallest version, select Mini-Mullion.
- Mullion: For a mullion mounted product sized the same as MiniProx, select Mullion.
- Wall Switch: For standard Wall Switch mount, US / EU / APAC mount select Wall Switch.
- Wall Switch Keypad: For standard wall switch mount, US / EU / APAC Keypad mount select Wall Switch Keypad.

#### **Panel Communication:**

iCLASS SE and multiCLASS SE readers support a variety of communication protocol variations for maximum panel compatibility, including the following:

- Wiegand: Select Wiegand for industry standard compatibility.
- Clock-and-Data: Select Clock-and-Data for industry standard compatibility.
- OSDP: Select OSDP option for industry standard compatibility, with OSDP using RS-485.



## **README - Important Guidelines**

Below are simple guidelines for system integrators, product managers and purchasing agents.

#### **Announcement regarding Credentials Marking**

As a part of our commitment to continuous enhancements of world-class products and solutions, HID Global is transitioning to the most innovative card marking technology available.

Effective immediately, HID Global is moving from ink jet card marking to the new laser engraving card marking technology for all Genuine HID® cards, fobs and authentication tokens. This state-of-the-art laser engraving technology will result in a more appealing look and feel and reduce the ecological footprint of card production.

All relevant orders in the United States and Canada are affected immediately.

#### Key benefits:

- Marking quality and durability of the cards will be enhanced and more consistent
- · New engraving technology reflects HID Global's commitment to sustainability by eliminating the use of solvents
- Improved Proof of Authenticity since engraved markings cannot be removed or modified.
- The enhanced design will be available at no additional charge. The laser-engraving surcharge for Genuine HID Proximity
  and Contactless Credentials will be removed in November.

Depending on the fulfillment center, customers may receive either inkjet or laser marked cards during the transition period of October 2014 – June 2016. All ID1 cards (Clamshell Cards included), key fobs (including Microtags, Keytags and Microprox) and authentication tokens will have the enhanced laser engraving design immediately.

#### Notes:

- The numbering scheme and part number will not change. Please contact your sales representative to see the new design and get sample cards.
- Due to the 3D nature of laser engraved markings, printing over these markings is not recommended as it may impact print quality.
- For all relevant Credentials ordered and/or shipped out of North America, the laser-etched version supersedes all ink jet card part numbers.
- For further details on the printing areas, please contact HID Global.

Please contact HID Customer Service or Sales Representative if you have additional questions regarding this notice.

#### **Logistics - Ordering Information**

- Order iCLASS Seos for the highest security level with the maximum portability of your credentials onto other form factors (such as an NFC enabled phone).
- Order iCLASS SE, SIO-Enabled Technology for MIFARE Classic or MIFARE DESFire EV1 credentials if you want your iCLASS SE readers to work out-of-the-box without configuration and with maximized security.
- Your iCLASS SR credentials work out-of-the-box with standard iCLASS readers!
- · Your iCLASS SE credentials DO NOT work with standard iCLASS readers!
- Downgrade the security of your iCLASS SE readers either when ordering product (order non-default
   T = standard setting) or in the field using a configuration card in order to read standard iCLASS credentials. iCLASS SE
   readers always work with iCLASS SE credentials.

#### **Interoperability - Important Situations**

- **New Sites** When deploying credentials for a new site, deploy iCLASS Seos Cards with iCLASS SE Readers for maximum security with the most up-to-date credentialing and reader system.
- iCLASS Existing Sites: When deploying credentials to an existing site with standard iCLASS credentials and readers, purchasing iCLASS SR credentials along with iCLASS SE readers with downgraded security (supporting standard interpreters) provides full interoperability with HID's latest and greatest credential and reader platform. This provides options to upgrade security in the future without rip-and-replace of the newly purchased readers. Once all readers on site are iCLASS SE the customer can begin ordering iCLASS SE cards. iCLASS SE, SR and standard iCLASS cards can work simultaneously in the field using iCLASS SEs 13.56 MHz "Standard" interpreter. Once all cards in the population are SR or SE, readers can be upgraded to support only SIO's on either SR or SE cards.
- 125 kHz Existing Sites: Deploying credentials to an existing 125 kHz site with HID Prox/Indala Proximity credentials and readers (HID, Indala, AWID, and EM4102), purchase multi-technology iCLASS SE Credentials along with multiCLASS SE Readers for full credential and reader interoperability and a relaxed migration timeline.
- CP400 & CP575: The field programmers are NOT compatible with iCLASS SE/SR credentials. Only factory programming of iCLASS credentials with SIO is available at this time.



#### What should I know about security keysets?

iCLASS SE readers and SE credentials offer two keyset security schemes, Standard and Elite.

The *Standard Security Program* provides universal keysets that offer maximized compatibility by keying readers and cards with matching security for use in the general population. This allows for maximized compatibility because readers and cards are not keyed on a per site/company basis but rather all keyed the same. This offers the advantage to the integrator as a standard stock of readers and cards will interoperate for a variety of sites/companies, rather than needing different stocks of readers and cards for each individual site. iCLASS SE readers provide two Standard Security Keysets that offer compatibility with the following credentials.

Standard Security Keyset	Use With	Compatibility with these Credentials
Version 1	Standard 13.56 MHz Interpreter	iCLASS Seos (+ Prox) iCLASS SE (+ Prox) iCLASS SR (+ Prox) iCLASS SR (+ Prox) Standard iCLASS (+ Prox)SIO-Enabled Technology for MIFARE Classic (+ Prox) SIO-Enabled Technology for MIFARE DESFire EV1 (+ Prox)
Version 2	SIO 13.56 MHz Interpreter	iCLASS Seos (+ Prox) iCLASS SE (+ Prox) SIO-Enabled Technology for MIFARE Classic (+ Prox) SIO-Enabled Technology for MIFARE DESFire EV1 (+ Prox)

Alternatively, the SE Elite Security Program supports a unique keyset on a per site/company basis.

The keyset governs a variety of keys, including:

- Media (credential) keys for iCLASS SE/SR, SIO-Enabled Technology for MIFARE Classic and MIFARE DESFire EV1
  credentials
- SIO authenticity and privacy keys (media independent)
- · Configuration programming keys (for programming reader configuration, also media independent)

When utilizing HID's standard key set for the above keys, all standard keyed credentials work with all standard keyed readers. Additionally, any Standard Security configuration card configures a Standard Security reader (only accomplished during the first five (5) seconds after reader powers-up). Conversely, when utilizing the SE Elite program, only site/company specific Elite credentials and programming cards work with matching readers.

#### **Elite Key Components - Ordering Information**

- Direct customers of HID must be authorized to purchase components with Elite keys. If you are not authorized, you must have the key owner authorize you through the Authorization form.
   See <a href="https://www.hidglobal.com/main/services/credential-programs/class-elite">www.hidglobal.com/main/services/credential-programs/class-elite</a>.
- Ensure the Elite flag is set in the part number (of readers, credentials and programming cards).
- All Purchase Orders for Elite components must be ordered with the Elite reference number (starts with ICE).

Page 9 of 56



## **iCLASS Seos Credentials**

## 500 - iCLASS Seos Card Ordering Guide

Increased security and interoperability cards for installation supporting iCLASS SE platform.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model 500 Composite 40% Polyester	r/PVC*						
iCLASS Memory Size and Allocation (Check One)  5 - 16K Bytes  6 - 8K Bytes	↑(	3.370° (8.57 cm)					
Secure Identity Object Programming  ☑ P - Programmed with Security Identity Object (SIO)  Front Packaging (Check One)  ☐ G - Plain White with Gloss Finish  ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	2.125" (5.4 cm)	Front Packaging					
Back Packaging (Check One)  ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹	.033" = C	Shared Card Edge					
Card Numbering³ (Check One)  M - Sequential Matching Internal/External (Inkjetted)⁶  N - No External Card Numbering  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁶  R - Random Internal/Non-Matching Sequential External (Inkjetted)⁶  A - Sequential Matching Internal/External (Laser Engraved)⁴  B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴  C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴		Back Packaging					
Slot Punch <sup>5</sup> (Check One)  ☑ N - No Slot Punch		© TIIII ICLASS Soos JH 5*12345 YYYYYYYY-YY xT					
		Y = iCLASS Programming 12345 = Card ID Number YYYYYYYY-YY = Sales Order Number					
Option - Custom Artwork <sup>1</sup> (Specify Artwork Number – Refer to the Custom Artwork Num	work Forms for nev						
Enter your final card options from check boxes above. Example: 500	)5PGGNN						
Final Part Number 500 P	N -	(Options #)					
iCLASS Card Programming Information							
Facility Code  SE Elite ICE Number (if applicable)  (Custom Formats) Site Code City Code OEM C	Code	(example: H10301) 					
Internal Card # Start Stop External Card # Start		·					
Special Instructions:  1 For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost. 2 Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo slot punch target printed on the back of the card. 3 The external card number is placed in the bottom right-hand corner on the back of the card. 4 For Laser Engraved external numbers, consult factory for lead times and cost.							

<sup>&</sup>lt;sup>5</sup> Cards are not available with any slot punch option.

<sup>&</sup>lt;sup>6</sup> Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.



## 510 - iCLASS Seos + Prox Card Ordering Guide

Migration solution from proximity to high security for support in iCLASS SE platform. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	] 510 Com <sub>i</sub>	oosite 4	10% Poly	ester / Pv	/C*					
iCLASS Memory Size a  ☐ 5 - 16K Bytes	nd Allocation (	Check On	e)			7	<b>K</b>		3.370" (8.57 cm)	<b>→</b>
☐ 6 - 8K Bytes  Secure Identity Object ☐ P - Programmed with S ☐ R - Both interfaces prog Object (SIO), Prox p	ecurity Identity Ob grammed: iCLASS	Seos with S				2.125" (5.4 cm)			Front Packaging	
Front Packaging (Chec G - Plain White with Gl C - Custom Artwork with	oss Finish	pecify Cust	om Artwork N	lumber <sup>1</sup>						
Back Packaging (Check G - Plain White with Gl C - Custom Artwork wit 1 - Plain White with Gl 3 - Custom Artwork wit Artwork Number¹	oss Finish² th Gloss Finish - S oss Finish with Ma	gnetic Strip	e <sup>2</sup>			033" = \frac{1}{2}			Shared Card Edge	10p
13.56 MHz iCLASS Care  M - Sequential Matchir  N - No External Card N  S - Sequential Internal/  R - Random Internal/N  A - Sequential Matchin  B - Sequential Internal/  C - Random Internal/N	g Internal/Externa lumbering 'Sequential Non-M on-Matching Sequ g Internal/External 'Sequential Non-M	I (Inkjetted) atching Ext ential Exter (Laser Enç atching Ext	ernal (Inkjette nal (Inkjetted) graved) <sup>4</sup> ernal (Laser I	) <sup>6</sup> Engraved) <sup>4</sup>			® <b></b>	ICLASS Seos J	Back Packaging  5*12345 YYYY	YYYY-YY x1
Slot Punch <sup>5</sup> (Check On N - No Slot Punch	• .		(	g,					ASS Seos Programn Card ID Number	ning
125 kHz Card Numberin  M - Sequential Matchin  N - No External Card N  S - Sequential Internal/N  R - Random Internal/N  A - Sequential Matchin  B - Sequential Internal/C  C - Random Internal/N	g Internal/Externa lumbering 'Sequential Non-M on-Matching Sequ g Internal/External 'Sequential Non-M	(Inkjetted) atching Ext ential Exter (Laser Eng atching Ext	ernal (Inkjette nal (Inkjetted) graved) <sup>4</sup> ernal (Laser I	) <sup>6</sup> Engraved) <sup>4</sup>			Y	YYYY	YYY-YY = Sales Ord	ler Number
Option - Custom Artwo	<b>rk</b> 1 (Specify Artwor	k Number -	- Refer to the	Custom Artwo	rk Forms	for new a	ırtwork)			
Enter your final card op Final Part Number	510 510	ck boxes	above. Exa	mple: 5105F	PGGNNI N	1	-		(Options #)	1
iCLASS Seos Card Pr	ogramming In	formatio	n							
Bit Numbers SE Elite ICE Number (if ap (Custom Formats) Site Co Internal Card # Start	plicable) -		•	at Number OEM Coord # Start	de	(exan	nple: H	10301)	Facility Code	
125 kHz Card Program	nming Informa	ition								
Bit Numbers		nple: 26 bit	t) Form	at Number		(exan	nple: H	10301)	Facility Code	
(Custom Formats) Site Co							•	,	,	
Internal Card # Start	Stop		External Ca	rd # Start		Stop _		<u>.</u>		
Special Instructions:  1 For new artwork files, contact of 2 Cards ordered with plain white slot punch target printed on the 3 The external card number is play 4 For Laser Engraved external card.	front and back package back of the card. aced in the bottom right	aging, or cust ght-hand corr	tom artwork, wil	Il still have a sma		HID a	nd refere	ence num	ber printed in the lower left-	hand corner and a

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Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
 The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



## 520 - iCLASS Seos + iCLASS + Prox Card Ordering Guide

Migration solution from proximity and/or iCLASS legacy to high security for support in iCLASS SE platform. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model 520 Co	mposite 40	% Polyest	er / PVC	*							
iCLASS Seos and iCLASS Memory  ☑ 6 - iCLASS Seos 8K Bytes	Size and Alloc	ation				<b>K</b>		3.370" (8.57 cm			<b>→</b>
■ 0 - iCLASS 2k Bits (256 Bytes) with 2	Application Areas	3			1						
iCLASS Seos Programming (Chose  ☐ P - Programmed with Security Identity ☐ V - For Field Encoder usage			25" cm)			Front Packagin					
iCLASS legacy Programming (Chos  □ P - Programmed with Security Identity □ H - Programmed with standard iCLAS: □ S - Programmed with Security Identity Control Application □ C - For Field Encoder usage	Object (SIO) S Access Control		CLASS Acce	ess	\ <u>\</u>						
Prox Programming (Chose one)  ☐ P - Prox programmed ☐ N - Prox non programmed				.033" (0.084 c	em)			Shared Card	l Edge =		
Front Packaging (Check One)  G - Plain White with Gloss Finish  C - Custom Artwork with Gloss Finish	- Specify Custom	ı Artwork Numb	er <sup>1</sup>					Back Pack	aging		
Back Packaging (Check One)  ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish with ☐ 1 - Plain White with Gloss Finish with ☐ 3 - Custom Artwork with Gloss Finish Artwork Number¹	Magnetic Stripe <sup>2</sup>					© IIID ICLAS	'S' Seos JH	5*12	345 YYYYY	YYY-YY	хт
iCLASS Seos Card Numbering³ (Ch  M - Sequential Matching Internal/Exte  N - No External Card Numbering  S - Sequential Internal/Sequential Not  R - Random Internal/Non-Matching Se	rnal n-Matching Exterr										
iCLASS legacy Card Numbering³ (C  M - Sequential Matching Internal/Exte  N - No External Card Numbering  S - Sequential Internal/Sequential Not  R - Random Internal/Non-Matching Se	rnal n-Matching Exterr					12345	= Card	Seos Prog d ID Numb YY = Sale	er	ng r Number	
Prox Card Numbering³ (Check One)	n-Matching Extern										
Slot Punch⁵ (Check One)  ☑ N - No Slot Punch											
Option - Custom Artwork¹ ☐(Specify Art	work Number – R	efer to the Cust	tom Artwork	Forms for r	new ar	twork)					
Enter your final card options from o		ove. Exampl	le: 52060P	SPGGNN	NN	<del>                                     </del>	1	<u> </u>		<u> </u>	
Final Part Number 520	6 0						N -			(Options #	<del></del>
iCLASS Seos Card Programming	Information										
·	xample: 26 bit)	Format Nu	umber	(	examı	ple: H103	01) Fa	cility Code	_	<u>.</u>	
SE Elite ICE Number (if applicable) - (Custom Formats) Site Code	 City Code		OEM Code		_						
Internal Card # Start Stop		kternal Card #			op		<u>.</u>				
iCLASS legacy Card Programmir	ng Information	n									
	xample: 26 bit)	Format Nu	umber	(	exam	ple: H103	01) Fa	cility Code	_	<u>.</u>	
	 City Code Ex		OEM Code		<u>.</u> op						
		Alemai Galu #	- curt	30	<b>∽</b> ۲				Α.	CCA ADIA	<u> </u>
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November 2015 Page 11 of 56



125 kHz Card Programming Information									
Bit Numbers	. (example: 26 bit)	Format Number	(example: H10301)	Facility Code .					
(Custom Formats) Site Code	City Code	OEM Code		, <u>——</u>					
Internal Card # Start	Stop E:	xternal Card # Start	Stop						
Special Instructions:	-		<u>.</u>						
<sup>1</sup> For new artwork files, contact Custom <sup>2</sup> Cards ordered with plain white front a slot punch target printed on the back <sup>3</sup> The external card number is placed in	and back packaging, or custom of the card. In the bottom right-hand corner	n artwork, will still have a small he on the back of the card.	HID logo HID and reference numb	per printed in the lower left-hand corner and a					

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<sup>For Laser Engraved external numbers, consult factory for lead times and cost.

Cards are not available with any slot punch option.

Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.</sup> 



#### **iCLASS SE Credentials**

#### 300/305 - iCLASS SE Card Ordering Guide

 $\label{eq:maximized security into installations that do NOT contain standard iCLASS credentials.$ 

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	300	Standa	ard PV	С	30	5 Com	posite 40	% Polyester / PVC*
iCLASS Memory Size and  □ 0 - 2k Bits (256 Bytes) witl  □ 3 - 32k Bits (4K Bytes) Ap  □ 4 - 32k Bits (4K Bytes) Ap	n 2 Applicat plication are	ion Areas eas 16k/2+1	16k/1				1	
Secure Identity Object Pro P - Programmed with Secure	•	•	O)				2.125" (5.4 cm)	Front Packaging
Front Packaging (Check C G - Plain White with Gloss C - Custom Artwork with C	Finish	– Specify (	Custom Art	work Numl	ber¹		•	
Back Packaging (Check O G - Plain White with Gloss C - Custom Artwork with G 1 - Plain White with Gloss Number¹	Finish <sup>2</sup> Bloss Finish Finish with	Magnetic S	Stripe <sup>2</sup>			vork	0.033" (0.084 cm)	3.370° (8.57 cm)
Card Numbering³ (Check of M - Sequential Matching In N - No External Card Num S - Sequential Internal/Second R - Random Internal/Non-A - Sequential Matching Ir B - Sequential Internal/Second C - Random Internal/Non-	nternal/Extenbering quential Nor Matching Senternal/Extenperial	n-Matching equential E rnal (Laser n-Matching	External (I xternal (Ink Engraved) External (I	kjetted) <sup>7</sup> 4 Laser Engr				Back Packaging  Note: 305 credential image may vary.
Slot Punch <sup>5</sup> (Check One)  ☐ N - No Slot Punch (Printed location of vertical slot punch will remain) ☐ V - Vertical Slot Punch ☐ H - Horizontal Slot Punch <sup>6</sup> Y = iCLASS Programming 12345 = Card ID Number							Y = iCLASS Programming	
Option - Custom Artwork <sup>1</sup>		rtwork Num	nber – Refe	er to the Cu	ıstom Artwo	ork Forms	s for new artwo	rk)
Enter your final card option	ons from o	heck box	es above	e. Examp	le: 3000P	GGNN		,
Final Part Number		Р						- (Options #)
iCLASS Card Programm	ning Infor	mation						
Bit Numbers	(e	xample: 26	6 bit)	For	mat Numb	er	(exar	nple: H10301)
Facility Code SE Elite ICE Number (if applie	cable) -							
(Custom Formats) Site Code	,	. City C	ode		OEM Cod	le		
Internal Card # Start							Stop	
Special Instructions:								·
For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.  Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.  The external card number is placed in the bottom right-hand corner on the back of the card.  Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.  The ability to add a horizontal slot punch requires a different iCLASS antenna design. Users can expect a read range reduction of approximately 20% if they order options B or H for								

<sup>7</sup> Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

\* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

ASSA ABLOY November 2015 Page 13 of 56

the Slot Punch.



## 310/315 - iCLASS SE + Prox Card Ordering Guide

Maximized compatibility with added security into installations that DO contain standard Prox credentials.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	310 Standard PVC	☐ 315 Com	posite 40% Polyester /	PVC*
iCLASS Memory Size and Allo  0 - 2k Bits (256 Bytes) with 2 A;  3 - 32k Bits (4K Bytes) Applicat  4 - 32k Bits (4K Bytes) Applicat	pplication Areas ion areas 16k/2+16k/1			
	dentity Object (SIO), Prox non programmed I: iCLASS with Security Identity Object (SIO),	2.125" (5.4 cm)	Front Packagir	ng 🗍
Front Packaging (Check One) G - Plain White with Gloss Finis C - Custom Artwork with Gloss	sh Finish – Specify Custom Artwork Number¹	<u> </u>		
Back Packaging (Check One)  G - Plain White with Gloss Finis  C - Custom Artwork with Gloss  1 - Plain White with Gloss Finis  3 - Custom Artwork with Gloss Specify Custom Artwork Nur	Finish – Specify Custom Artwork Number¹ h with Magnetic Stripe² Finish with Magnetic Stripe -	0.033" (0.084 cm)	3.370" (8.57 cm)	
R - Random Internal/Non-Matcl A - Sequential Matching Internal B - Sequential Internal/Sequential (Laser Engraved) <sup>4</sup>	al/External (Inkjetted) <sup>7</sup> ig tial Non-Matching External (Inkjetted) <sup>7</sup> hing Sequential External (Inkjetted) <sup>7</sup> al/External (Laser Engraved) <sup>4</sup>		Back Packagin	
Vertical and Horizontal slot	Slottable Punch compatible (Printed location	of	© IIII iCLASS SE Pa	/ 12345 YYYYYYYYYYY
R - Random Internal/Non-Matcl A - Sequential Matching Internal B - Sequential Internal/Sequential	al/External (Inkjetted) <sup>6</sup> ig tial Non-Matching External (Inkjetted) <sup>6</sup> hing Sequential External (Inkjetted) <sup>6</sup>		Y = iCLASS Programming 12345 = Card ID Number YYYYYYYYYYY = Sales Or	der Number
	hing Sequential External (Laser Engraved)4			
Option - Custom Artwork¹ ☐ (Sp	hing Sequential External (Laser Engraved) <sup>4</sup> ecify Artwork Number – Refer to the Custom		twork)	
Option - Custom Artwork¹  Specification (Specification of the control of the cont	ecify Artwork Number – Refer to the Custom		, T T	<i>u</i> )
Option - Custom Artwork¹ ☐ (Sp	ecify Artwork Number – Refer to the Custom		twork)	#)
Option - Custom Artwork¹  Specification (Specification of the control of the cont	ecify Artwork Number – Refer to the Custom from check boxes above. Example: 31		, T T	#)
Option - Custom Artwork¹  Specific Spec	ecify Artwork Number – Refer to the Custom from check boxes above. Example: 31 P	01PGGNNN	, T T	#)
Option - Custom Artwork¹  CSp Enter your final card options f Final Part Number  iCLASS Card Programming  Bit Numbers Facility Code	recify Artwork Number – Refer to the Custom rom check boxes above. Example: 31 P Information	01PGGNNN	- (Options	#)
Option - Custom Artwork¹  CSp Enter your final card options f Final Part Number  iCLASS Card Programming  Bit Numbers Facility Code SE Elite ICE Number (if applicable	recify Artwork Number – Refer to the Custom from check boxes above. Example: 31 P Information (example: 26 bit) Format N :	01PGGNNN umber(e:	- (Options	#)
Option - Custom Artwork¹  CSp Enter your final card options f Final Part Number  iCLASS Card Programming  Bit Numbers Facility Code	ecify Artwork Number – Refer to the Custom from check boxes above. Example: 31  P  Information	01PGGNNN	- (Options	#)



125 kHz Card Programming Information
Bit Numbers(example: 26 bit)
Format Number (example: H10301)
Facility Code
(Custom Formats) Site Code City Code OEM Code
Internal Card No. Start Stop
External Card No. StartStop
Special Instructions:
<sup>1</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
<sup>2</sup> Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
<sup>3</sup> The external card number is placed in the bottom right-hand corner on the back of the card.

ASSA ABLOY An ASSA ABLOY Group program

November 2015 Page 15 of 56

<sup>&</sup>lt;sup>4</sup> For Laser Engraved external numbers, consult factory for lead times and cost.

<sup>&</sup>lt;sup>5</sup> Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. <sup>6</sup> The ability to add a horizontal slot punch requires a different iCLASS antenna design. Users can expect a read range reduction of approximately 20% if they order option H for the Slot

<sup>&</sup>lt;sup>7</sup> Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

<sup>\*</sup> The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



## 325 - iCLASS SE Key Ordering Guide

The iCLASS SE contactless smart Key offers read/write capability while leveraging Security Identity Object for increased security. Attach to a key ring or badge clip for convenient use.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

iCLASS Memory Size and Allocation ( 0 - 2k Bits (256 Bytes) with 2 Application 3 - 32k Bits (4K Bytes) Application areas 4 - 32k Bits (4K Bytes) Application areas	Areas 16k/2+16k/1							
Programming (Check One)  ☑ P - Programmed with Security identity O	bject (SIO)				24 in [6 mm]			
Front Packaging  N - iCLASS Key II - Black with blue insert	t. Includes HID St	andard Artwork					<u>m</u> <u>[</u>	
Back Packaging  ☑ N - None				-		iclass	1. 55 in [39.4 mm]	
Key Numbering  ☐ M - Sequential Matching Internal/Externa ☐ N - No External Key Numbering ☐ S - Sequential Internal/Sequential Non-M		(Inkietted)4						
R - Random Internal/Non-Matching Sequ A - Sequential Matching Internal/Externa B - Sequential Internal/Sequential Non-W C - Random Internal/Non-Matching Sequ	ential External (In (Engraved) <sup>2</sup> latching External (	kjetted) <sup>4</sup> (Engraved) <sup>2</sup>		S	ihown – Front F	-1. 25 in [31.75 m	•	
Additional Options³ ☑ N - None								
Enter your final card options from the		ns. Example:				T	T	7
Final Part Number	325		Р	N	N		N	
iCLASS Key Programming Information	tion							_
Bit Numbers (exam	nple: 26 bit)	Format N	lumber	(exam	nple: H10301)			
Facility Code								
SE Elite ICE Number (if applicable)(Custom Formats) Site Code		051	A Codo					
Internal Card # Start Stop	City Code	nal Card # Star	vi Code	Ston				
Special Instructions:					<del></del> .			
<sup>1</sup> The external key number is placed on the back of the	ne key.							

For Laser Engraved external numbers, consult factory for lead times and cost.
 Key Ring sold separately (Part Number: 57-0001-02).
 Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.



#### 330 - iCLASS SE Tag Ordering Guide

The iCLASS SE contactless smart Tag offers read/write capability while leveraging Security Identity Object for increased security. iCLASS enable existing credentials or non-metallic devices such as cell phones or PDAs by adhering the iCLASS Tag.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

	1									
iCLASS Memory Size and  0 - 2k Bits (256 Bytes) wit  3 - 32k Bits (4K Bytes) Ap  4 - 32k Bits (4K Bytes) Ap	h 2 Applica plication ar	tion Areas eas 16k/2+	16k/1							
P - Programmed iCLASS.		ogramming	Informatio	on.						
Front Packaging (Check C S - Gray with HID Standar K - Black with HID Standa C - Custom Artwork - Spe	rd Artwork ard Artwork		Number <sup>2</sup>			,				<b>1</b>
Back Packaging  ☑ S - Adhesive Backing							i	CLA	SS <sup>™</sup>	1.285" (32.639mm)
Tag Numbering¹(Check O  M - Sequential Matching II  N - No External Tag Numl  S - Sequential Internal/Se  R - Random Internal/Non-	nternal/Extendering quential No	on-Matching	g External (		ı					0.070"
Clat Dunah							Front I	Packa	aging	(1.78 mm)
Slot Punch										
N - None										
Option - Custom Artwork¹	Specify A	Artwork Nun					s for new ar	twork)		
Option - Custom Artwork <sup>1</sup> Enter your final Tag optio	Specify A		es above		le: 3302P					(Ontions #)
Option - Custom Artwork¹	Specify A						s for new ar	twork)		(Options #)
Option - Custom Artwork <sup>1</sup> Enter your final Tag optio  Final Part Number	(Specify Ans from 6	check box	es above		le: 3302P					(Options #)
Option - Custom Artwork  Enter your final Tag optio  Final Part Number  iCLASS Tag Programmi	(Specify Ans from 6 330	mation	es above P	e. Examp	le: 3302P S	SSNN	N	-		(Options #)
Option - Custom Artwork  Enter your final Tag option Final Part Number  iCLASS Tag Programmi Bit Numbers	(Specify Ans from 6 330	check box	es above P	e. Examp	le: 3302P S	SSNN	N	-	e: H10301)	(Options #)
Option - Custom Artwork  Enter your final Tag optio  Final Part Number  iCLASS Tag Programmi	_(Specify Ans from 0 330 and 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mation	P B bit)	e. Examp	le: 3302P S	SSNN	N	-		(Options #)
Option - Custom Artwork <sup>1</sup> Enter your final Tag optio  Final Part Number  iCLASS Tag Programmi  Bit Numbers  Facility Code  SE Elite ICE Number (if applications)	(Specify Ans from 6 330 sing Inform 6 . (cable) -	mation example: 2	P  6 bit)  Code	e. Examp	S S Trans Numb	er	N (e.	- xampl	e: H10301)	(Options #)
Option - Custom Artwork  Enter your final Tag optio  Final Part Number  iCLASS Tag Programmi  Bit Numbers  Facility Code  SE Elite ICE Number (if applii (Custom Formats) Site Code Internal Card # Start	(Specify Ans from 6 330 330 sing Information (Cable) Sto	mation example: 2	P  6 bit)  Code Exter	e. Examp	S S Trans Numb	er	N (e.	- xampl	e: H10301)	(Options #)
Option - Custom Artwork <sup>1</sup> Enter your final Tag optio  Final Part Number  iCLASS Tag Programmi  Bit Numbers  Facility Code  SE Elite ICE Number (if applications)	(Specify Ans from 6 330 330 sing Information (Cable) Sto	mation example: 2	P  6 bit)  Code Exter	e. Examp	S S Trans Numb	er	N (e.	- xampl	e: H10301)	(Options #)
Option - Custom Artwork  Enter your final Tag optio  Final Part Number  iCLASS Tag Programmi  Bit Numbers  Facility Code  SE Elite ICE Number (if applii (Custom Formats) Site Code Internal Card # Start	ing Inform(	mation example: 2 City ( p of the tag. he for custom see full insertic herica are alv	P 6 bit) Code Exter artwork nur	For mal Card in the feed type rengraved. Information in the feed type rengraved.	OEM Cod# Start	er	N (e.	- xampl	e: H10301)	(Options #)  (Options #)  (CLASS  Magnetic Stripe

claim that the iCLASS Tag will work in every situation. Functional and non-functional iCLASS Tags are available for compatibility testing with existing credential and reader technologies. Compatibility should be confirmed prior to ordering.



#### 335 - iCLASS SE Clamshell Card Ordering Guide

Maximized security into installations that do NOT contain standard iCLASS credentials.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

□ 335 Base Mode	1						
iCLASS Memory Size and  □ 0 - 2k Bits (256 Bytes) wit  □ 3 - 32k Bits (4K Bytes) Ap  □ 4 - 32k Bits (4K Bytes) Ap	h 2 Applica plication ar	tion Areas eas 16k/2+16k/1		2.060" (5.23 cm	) -	2.125" (5.4 cm)	0.070" (0.18 cm)
Secure Identity Object Program  P - Programmed with Sec		ty Object (SIO)				www.yy	
	n Matte Finish Adhesive F scify Custor One) D Logo ecify Custor One) ntemal/Ext abering quential No	ront <sup>1</sup> n Artwork Number <sup>2</sup> n Artwork Number <sup>2</sup>		123	aging iCLASS P 45 = Card	(Base) Back Packaging  Programming ID Number YY = Sales Order Number	3.370" (8.57 cm)
Slot Punch⁵ (Check One)  ☑ V - Vertical Slot Punch							
Option - Custom Artwork		Artwork Number – Refer to th	ne Custom Artw	ork Forms for ne	ew Artwork)		
Enter your final card option Final Part Number	335	check boxes above. Ex	ample: 3350F	PMSMV v	- 1	(Options #	)
iCLASS Card Brogramn	ning Info	rmation	I	l l	1 1		<u>,                                     </u>
iCLASS Card Programn  Bit Numbers  Facility Code  SE Elite ICE Number (if appli		example: 26 bit)	Format Numb	er	(example	e: H10301)	
(Custom Formats) Site Code		City Code	OEM Co	de			
Internal Card # Start Special Instructions:				Stop		<u></u>	
<sup>1</sup> The part numbers for non-adhesiv					GN31 withou	at slot and 1324GGV31 with slot.	

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ASSA ABLOY
Page 18 of 56

November 2015

<sup>&</sup>lt;sup>2</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost

The external card number is placed in the top left-hand corner on the back of the card. HID logo molded into base on back.
 Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.



#### 390/391 - iCLASS SE/Other HF - Combination Card Ordering Guide

The SIO-Enabled iCLASS with MIFARE or DESFire contactless smart card offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element. This card offers maximized compatibility with added security into installations that DO not contain standard iCLASS or MIFARE/DESFire credentials.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	<u></u> 39	0 Sta	ndard	PVC		39	1 Con	posit	e 40%	Po	olyeste	er / PV	C *		
iCLASS Memory Size ar  □ 0 - 2k Bits (256 Bytes) w  □ 3 - 32k Bits (4K Bytes) A  □ 4 - 32k Bits (4K Bytes) A	rith 2 Applica	ation Are reas 16k	as <b>(only</b> /2+16k/1	available	e with M	FARE C	LASSIC '	K)		2.125		Front	Packagir	ng	
Card Programming (Che     R - SIO Programmed iC     P - Programmed iCLASS     A - Configured, Non-Pro     Specify Programmin	LASS & 2 <sup>nd</sup> S with SIO o grammed iO	nly not 2 CLASS, S	<sup>nd</sup> Techno	ology. Sp	ecify Pro	grammin		ition.	(	5.4 cm	"				
2 <sup>nd</sup> High Frequency Tecl  M - MIFARE 1K Bytes (c  N - MIFARE 4K Bytes  K - DESFire EV1 8K Byte	only availab			k bits)						033" 34 cm)	<del> </del> =		3.370"_ (8.57 cm)		
Front Packaging (Check G - Plain White with Glo C - Custom Artwork with	ss Finish	h – Spec	cify Custo	m Artwoi	rk Numbe	er¹									
Back Packaging (Check G - Plain White with Glo C - Custom Artwork with 1 - Plain White with Glos 3 - Custom Artwork with	ss Finish² Gloss Finis ss Finish witl	h Magne	tić Stripe <sup>2</sup>	2			vork Num	ber¹					ONAL MAGNETIC CO/HIGH ENERGY 12345 † 125 kHz #		
iCLASS Card Numbering  M - Sequential Matching  N - No External Card Nu  S - Sequential Internal/No  R - Random Internal/No  A - Sequential Matching  B - Sequential Internal/No  C - Random Internal/No	Internal/Eximbering sequential Non-Matching Stratching Stratching Stratching Stratching Stratching Stratching Non-Matching	ternal (In on-Match Sequenti ernal (La on-Match	ning Externations and Externations Externations in the contractions of the contraction	al (Inkjett aved) <sup>4</sup> rnal (Las	ted) <sup>6</sup> er Engra							= Card ID YYY-YY :	Number = Sales Or	der Num	nber
Slot Punch <sup>5</sup> (Check One, IMPORTANT – Dual Hig badge holder to attach to ☑ N - No Slot Punch	gh Freque					a slot pi	unch du	e to the	e anten	na d	esign. F	HID reco	mmends	using a	1
2nd High Frequency Tecl  M - Sequential Matching  N - No External Card Nu  S - Sequential Internal/No  R - Random Internal/No  A - Sequential Matching  B - Sequential Internal/No  C - Random Internal/No	Internal/Eximbering sequential Non-Matching Stratching Stratching Stratching Stratching Stratching Stratching Non-Matching	ternal (In on-Match Sequenti ernal (La on-Match	kjetted) <sup>6</sup> ning External al External aser Engr ning Exte	rnal (Inkjo al (Inkjett aved) <sup>4</sup> rnal (Las	etted) <sup>6</sup> ted) <sup>6</sup> er Engra	ved) <sup>4</sup>									
Option - Custom Artwork	(Specify i								ı artwork	)					
Enter your final card opt	ions from	the abo	ove sele	ctions.	Examp	ole: 390	4RNGC	<i>NNN</i> N		-		(Opti	ons #)		
	L	<u> </u>						••		l	<u> </u>	,060	"		

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ASSA ABLOY

November 2015 Page 19 of 56



iCLASS Programming Information		2 <sup>nd</sup> 13.56 MHz Programming Info	ormation
Bit Numbers	. (example: 26 bit)	Bit Numbers	. (example: 26 bit)
Format Number	·	Format Number	
Facility Code		Facility Code	\(\cdot\)
SE Elite ICE Number (if applicable)		SE Elite ICE Number (if applicable) -	
(Custom Formats) Site Code City Cod	de	(Custom Formats) Site Code	. City Code
OEM Code		OEM Code	<u> </u>
Internal Card No. Start S	Stop	Internal Card No. Start	. Stop
External Card No. Start S	Stop	External Card No. Start	. Stop
		Special Instructions:	

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<sup>&</sup>lt;sup>1</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
<sup>2</sup> Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo under a reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

<sup>4</sup> For Laser Engraved external numbers, consult factory for lead times and cost.

<sup>&</sup>lt;sup>5</sup> Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

<sup>6</sup> Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

<sup>\*</sup> The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



## 395/396 - iCLASS SE/Other 13.56MHz/Prox - Combination Card Ordering Guide

The SIO-enabled card with MIFARE or MIFARE DESFire contactless smart card as well as HID Proximity offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element. This card offers maximized compatibility with added security into installations that DO not contain standard iCLASS or MIFARE/DESFire credentials.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model 395 Standard PVC	396 Composite 40% Polyester / PVC *
iCLASS Memory Size and Allocation (Check One)  □ 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE □ 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 □ 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1	E CLASSIC 1K)  2.125" (6.4 cm)  Front Packaging
13.56 MHz Technology Card Programming (Check One)  ☐ R - SIO Programmed iCLASS & 2nd Technology. Specify Programming Info ☐ P - Programmed iCLASS with SIO only not 2nd Technology. Specify Progra ☐ A - Configured, Non-Programmed iCLASS, SIO Programmed 2nd Technology. Information.	formation amming Information.  any Specify Programming 3.370*
2 <sup>nd</sup> High Frequency (13.56 MHz) Technology (Check One)  M - MIFARE 1K Bytes (only available with iCLASS 2k bits)  N - MIFARE 4K Bytes  K - DESFire EV1 8K Bytes	(0.084 cm) (8.57 cm)
125 kHz Technology Card Programming (Check One)  □ P - "HID Prox" Programmed 125 kHz Technology. Specify Programming In  □ C - "Indala/Casi Prox" Programmed 125 kHz Technology. Specify Program  □ N - Initialized 125 kHz Technology. Programming Information Not Required	nming Information
Front Packaging (Check One)  ☐ G - Plain White with Gloss Finish ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	OPTIONAL MAGNETIC STRIPE 112" (HICOHIGH ENERGY - 40000E)  11245 12245 YYYYYYYYYYY  1 1 125 kHz # iCLASS #
Back Packaging (Check One)  ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom	12345 = Card ID Number YYYYYYYY-YY = Sales Order Number
iCLASS Card Numbering³ (Check One)  ☐ M - Sequential Matching Internal/External (Inkjetted)6 ☐ N - No External Card Numbering ☐ S - Sequential Internal/Sequential Non-Matching External (Inkjetted)6 ☐ R - Random Internal/Non-Matching Sequential External (Inkjetted)6 ☐ A - Sequential Matching Internal/External (Laser Engraved)4	<ul> <li>□ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)<sup>4</sup></li> <li>□ C - Random Internal/Non-Matching Sequential External (Laser Engraved)<sup>4</sup></li> </ul>
Slot Punch⁵ (Check One)	
IMPORTANT — Dual High Frequency credentials do not allow a sl badge holder to attach this card to a lanyard or badge clip.   N - No Slot Punch	lot punch due to the antenna design. HID recommends using a
<ul> <li>№ N - No Slot Punch</li> <li>2nd 13.56 MHz Card Numbering³ (Check One)</li> <li>M - Sequential Matching Internal/External (Inkjetted)<sup>6</sup></li> <li>N - No External Card Numbering</li> </ul>	□ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) <sup>4</sup>
S - Sequential Internal/Sequential Non-Matching External (Inkjetted) <sup>6</sup> R - Random Internal/Non-Matching Sequential External (Inkjetted) <sup>6</sup> A - Sequential Matching Internal/External (Laser Engraved) <sup>4</sup>	☐ C - Random Internal/Non-Matching Sequential External (Laser Engraved) <sup>4</sup>
125 kHz Card Numbering³ (Check One)  M - Sequential Matching Internal/External (Inkjetted)6  N - No External Card Numbering  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)6  R - Random Internal/Non-Matching Sequential External (Inkjetted)6  A - Sequential Matching Internal/External (Laser Engraved)4	<ul> <li>□ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)<sup>4</sup></li> <li>□ C - Random Internal/Non-Matching Sequential External (Laser Engraved)<sup>4</sup></li> </ul>
Option - Custom Artwork¹  ☐ (Specify Artwork Number – Refer to the Custom	n Artwork Forms for new artwork)
Enter your final card options from the above selections. Example:	,
Final Part Number	N - (Options #)



iCLASS Programming Information	n
Bit Numbers (example: 26 bit)	
Format Number (example: H1030	1)
Facility Code	
SE Elite ICE Number (if applicable)	<u></u>
(Custom Formats) Site Code	City Code
OEM Code	
Internal Card No. Start	Stop
External Card No. Start	Stop
2 <sup>nd</sup> 13.56 MHz Programming Info	rmation
Bit Numbers (example: 26 bit)	
Format Number (example: H1030	1)
Facility Code	
SE Elite ICE Number (if applicable)	
(Custom Formats) Site Code	City Code
OEM Code	
Internal Card No. Start	Stop
External Card No. Start	Stop
125 kHz Programming Information	on
Bit Numbers (example: 26 bit)	
Format Number (example: H1030	1)
Facility Code	
SE Elite ICE Number (if applicable)	<u> </u>
(Custom Formats) Site Code	City Code
OEM Code	
Internal Card No. Start	Stop
External Card No. Start	Stop
<sup>2</sup> Cards ordered with plain white front and back p punch target printed on the back of the card.	e for custom artwork number, lead-times, and cost. backaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot or in in in in its properties. The corner is a small HID logo in its properties and reference number printed in the lower left-hand corner and a slot or in its properties.

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<sup>For Laser Engraved external numbers, consult factory for lead times and cost.
Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.
Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.</sup> 



#### iCLASS SR Credentials

## 200/210 - iCLASS SR Card Ordering Guide

Maximized compatibility with added security into installations that DO contain standard iCLASS credentials. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	200	Standa	rd PV	С		210	Comp	osite	40% F	Polyester / PVC*
iCLASS Memory Size  ☐ 0 - 2k Bits (256 Bytes  ☐ 3 - 32k Bits (4K Bytes  ☐ 4 - 32k Bits (4K Bytes	) with 2 Applic 3) Application a	ation Areas areas 16k/2	s 2+16k/1					2.12		
Secure Identity Object  H - Programmed with  Standard Programmin	Security Iden		(SIO)					(5.4 c	cm)	Front Packaging
□ P - Programmed with		ASS Acces	s Contro	l Applica	tion			<u> </u>		
Front Packaging (Che G - Plain White with C C - Custom Artwork v	Bloss Finish	sh – Specif	y Custom	n Artwork	Number <sup>1</sup>					3.370" (8.57 cm)
Back Packaging (Chec G - Plain White with 0 C - Custom Artwork w 1 - Plain White with 0 3 - Custom Artwork w Number¹	Bloss Finish <sup>2</sup> vith Gloss Fini Bloss Finish wi	th Magnetic	Stripe <sup>2</sup>				ork	0.033" (0.084 cn	n) <del> </del>	
Card Numbering <sup>3</sup> (Che		tornal (Inki	iottod\7							Back Packaging
M - Sequential Match N - No External Card S - Sequential Internal R - Random Internal/ A - Sequential Match B - Sequential Internal/ C - Random Internal/	Numbering al/Sequential Non-Matching ng Internal/Ex al/Sequential N	lon-Matchii Sequential ternal (Las lon-Matchi	ng Extern External er Engrav ng Extern	(Inkjette ved) <sup>4</sup> nal (Lase	d) <sup>7</sup> r Engrave	d) <sup>4</sup>				OPTIONAL MAGNETIC STRIPE 1/2" (HICO/HIGH ENERGY - 4000OE)  27.405  Y 12245 YYYYYYYYYY
Slot Punch <sup>5</sup> (Check O  N - No Slot Punch (Pi V - Vertical Slot Punc H - Horizontal Slot Punch - Fi Horizontal slot pu	rinted location h Inch <sup>6</sup> Iorizontal Pund	ch compatil				cal and			123	iCLASS Programming 45 = Card ID Number YYYYY-YY = Sales Order Number
Option - Custom Artw  ☐		Artwork Ni	umber – I	Refer to t	the Custor	n Artwo	rk Forms	for new ar	twork)	
Enter your final card of									,	
Final Part Number			Н	Р					-	(Options #)
iCLASS Card Progra	mming Inf	ormation	1							
Bit Numbers (e Format Number (e Facility Code SE Elite ICE Number (if a (Custom Formats) Site C	pplicable)	301)	. (	DEM Cod	de .					
Internal Card # Start	Stop_						Stop			
Special Instructions:	<u>-</u> ·									
slot punch target printed on <sup>3</sup> The external card number is <sup>4</sup> For Laser Engraved externa <sup>5</sup> Cards are provided with an o	te front and back he back of the co placed in the bo I numbers, cons ptional slot pund	c packaging, ard. ttom right-ha ult factory fo ch at no addi	or custom and corner r lead time tional char	on the bas and cos ge. Some	will still have ck of the ca t. video imag	e a small rd. ing printe	HID logo ers cannot a	accommoda	ate pre-slot	number printed in the lower left-hand corner and a punched cards.  approximately 20% if they order option H for the Slot

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Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
 \* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



#### 202/212 - iCLASS SR + Prox Ordering Guide

iCLASS SR + Prox contactless card offers read/write and HID proximity capability in a single card which leverages the SIO data model. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model 202 Standard PVC	212 Composite 40% Polyester / PVC *
	rd ID Number (5.4 cm) Packaging
Secure Identity Object Programming  M - Programmed with Security Identity Object (SIO)	-YY = Sales Order Number
iCLASS Programming (Check One)  □ P - Programmed iCLASS only and Prox initialized. Specify Programming Info □ B - Programmed 125 kHz Proximity and iCLASS. Specify Programming Info	rmation. (8.57 cm)
Front Packaging (Check One)  ☐ G - Plain White with Gloss Finish ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	0.033" † (0.084 cm)   Back Packaging
Back Packaging (Check One)  ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom	
iCLASS Card Numbering <sup>3</sup> (Check One)	12345 12345 YYYYYYYYYY 1 t
	125 kHz # iCL'ASS #
<ul> <li>N - No External Card Numbering</li> <li>S - Sequential Internal/Sequential Non-Matching External (Inkjetted)<sup>6</sup></li> <li>R - Random Internal/Non-Matching Sequential External (Inkjetted)<sup>6</sup></li> <li>A - Sequential Matching Internal/External (Laser Engraved)<sup>4</sup></li> </ul>	<ul> <li>■ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)<sup>4</sup></li> <li>□ C - Random Internal/Non-Matching Sequential External (Laser Engraved)<sup>4</sup></li> </ul>
Slot Punch⁵ (Check One)  ☐ H - Horizontal Slot Punch6 ☐ V - Vertical Slot Punch ☐ N - No Slot Punch (This card can be slotted vertically (Printed location of Vertical and Horizontal slot punch will remain)	☐ <b>C</b> - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical and Horizontal slot punch will remain) <sup>6</sup>
125 kHz Card Numbering³ (Check One)  M - Sequential Matching Internal/External (Inkjetted)⁶  N - No External Card Numbering  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁶  R - Random Internal/Non-Matching Sequential External (Inkjetted)⁶  A - Sequential Matching Internal/External (Laser Engraved)⁴	<ul> <li>□ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)<sup>4</sup></li> <li>□ C - Random Internal/Non-Matching Sequential External (Laser Engraved)<sup>4</sup></li> </ul>
Option - Custom Artwork  Specify Artwork Number – Refer to the Custom Artwork Number	Artwork Forms for new artwork)
Enter your final card options from the above selections. Example:	2022HPGGNNN
Final Part Number H	- (Options #)
iCLASS Programming Information	125 kHz Programming Information
Bit Numbers (example: 26 bit)	Bit Numbers (example: 26 bit)
Format Number (example: H10301)	Format Number (example: H10301)
Facility Code .	Facility Code .
SE Elite ICE Number (if applicable)	(Custom Formats) Site Code City Code
(Custom Formats) Site Code City Code OEM Code	OEM Code Internal Card No. Start Stop
Internal Card No. Start Stop	External Card No. Start Stop
External Card No. Start Stop	Special Instructions:
<sup>1</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, an	d cost.
<ul> <li><sup>2</sup> Cards ordered with plain white front and back packaging, or custom artwork, will still have a punch target printed on the back of the card.</li> <li><sup>3</sup> The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz</li> <li><sup>4</sup> For Laser Engraved external numbers, consult factory for lead times and costs.</li> <li><sup>5</sup> Cards are provided with an optional slot punch at no additional charge. Some video imaging</li> <li><sup>6</sup> Please note that cards shipped within North America are always laser-engraved. Inkjetted o</li> </ul>	small HID logo IIII and reference number printed in the lower left-hand corner and a slot and in the bottom center for 125 kHz Proximity on the back of the card.  printers cannot accommodate pre-slot punched cards.



\* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

#### 205 - iCLASS SR Key Ordering Guide

The iCLASS SE contactless smart Key offers read/write capability. Attach to a key ring or badge clip for convenient use. This key has supports for SIO (Security Identity Object) for added security but is also compatible added with installations that DO contain standard iCLASS credentials.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model 205 Base	Model				
iCLASS Memory Size and Allocation (C  0 - 2k Bits (256 Bytes) with 2 Application A  3 - 32k Bits (4K Bytes) Application areas 1  4 - 32k Bits (4K Bytes) Application areas 1	reas 6k/2+16k/1				
Secure Identity Object Programming	Includes HID Stan (Inkjetted) <sup>4</sup> ttching External (In ntial External (En graved) <sup>2</sup> ttching External (En ntial External (En ntial External (En	kjetted) <sup>4</sup> etted) <sup>4</sup> ngraved) <sup>2</sup> raved) <sup>2</sup>			1. 25 in [31.75 mm] — nt Packaging Option N
Final Part Number	205	Н	N	N	N
iCLASS Key Programming Informati	on	1			,
Bit Numbers (example: 26 bit)  Facility Code  SE Elite ICE Number (if applicable)  (Custom Formats) Site Code City Collinternal Card # Start Stop  Special Instructions:	ode OEM		01)		

3 Key Ring sold separately (Part Number: 57-0001-02) .
4 Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.



## 206 - iCLASS SR Tag Ordering Guide

The iCLASS contactless smart Tag offers read/write capability. iCLASS enable existing credentials or non-metallic devices such as cell phones or PDAs by adhering the iCLASS Tag. This tag carries SIO (Security Identity Object) for added security but is still compatible with installations that DO support standard iCLASS credentials.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

	:/									
iCLASS Memory Size and  □ 0 - 2k Bits (256 Bytes) wit  □ 3 - 32k Bits (4K Bytes) Ap  4 - 32k Bits (4K Bytes) Ap	th 2 Application are	tion Areas eas 16k/2+	16k/1					C		1
Secure Identity Object Pro  H - Programmed with Sec			IO)					iC	LASS™ )	1.285" (32.639mm)
Front Packaging (Check of S - Gray with HID Standa K - Black with HID Standa C - Custom Artwork - Spo	rd Artwork ard Artwork	n Artwork N	lumber <sup>2</sup>							
Back Packaging  ☑ S - Adhesive Backing							Fı	ront F	Packaging	<b>→</b>     <b>←</b>
Tag Numbering¹ (Check C  M - Sequential Matching    N - No External Tag Num  S - Sequential Internal/Se  R - Random Internal/Non-	Internal/Extended bering equential No	n-Matching	External							(1.78 mm)
Slot Punch  ☑ N - None										
Option - Custom Artwork  ☐		rtwork Num	nber – Ret	fer to the Cเ	ustom Artw	ork Forms	for new ar	twork)		
Enter your final Tag option	ns from c	heck box	es abov	e. Exampl	le: 2062C	SSNN				
Final Part Number	206		Н		S		N	-	(0	Options #)
iCLASS Tag Programm	ing Inforr	nation								
Bit Numbers (example facility Code  SE Elite ICE Number (if appli (Custom Formats) Site Code Internal Card # Start  Special Instructions:	icable) Cit	 ty Code	OEI	umber VI Code			1)			
<sup>1</sup> The external tag number is placed <sup>2</sup> For new artwork files, contact Cus order quantities, and cost. <sup>3</sup> The iCLASS Tag is not for use or <sup>4</sup> Please note that cards shipped or not available for these cards.	stomer Servic n cards that us	e for custom se full insertio	on or tractor	feed type rea	aders.				ICLASS.	Magnetic Stripe
Do not adhere to metal s inoperable. Due to variatic claim that the iCLASS Ta	ions in car	rds and re	eading d	evices, H	ID does		Co	ontact S	mart Chip	Magnetic Swipe card

non-functional iCLASS Tags are available for compatibility testing with existing credential and reader technologies. Compatibility should be confirmed prior to ordering.



## 208 - iCLASS SR Clamshell Card Ordering Guide

Maximized compatibility with added security into installations that DO contain standard iCLASS credentials. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

☑ 208 Base Model			
iCLASS Memory Size and Allocation (Check One)  □ 0 - 2k Bits (256 Bytes) with 2 Application Areas  □ 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1  □ 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/	2.06		2.125" 0.070" (0.18 cm) (5.4 cm)
Secure Identity Object Programming  H - Programmed with Security Identity Object (SIO)	<b>A</b> ( =		
Standard Programming  ☑ P - Programmed with standard iCLASS Access Control Application.			3.370" (8.57 cm)
Front Packaging (Check One)  M - Plain White Vinyl with Matte Finish G - Plain White with Gloss Finish A - iCLASS Clamshell - Adhesive Front¹ C - Custom Artwork - Specify Custom Artwork Number²	3.310" 3.41 cm)		3.370" (8.57 cm)
Back Packaging (Check One)  S - Base with Molded HID Logo C - Custom Artwork - Specify Custom Artwork Number²			HID CLASS
Card Numbering³ (Check One)  M - Sequential Matching Internal/External (Inkjetted)⁴  N - No External Card Numbering  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁴  R - Random Internal/Non-Matching Sequential External (Inkjetted)⁴	(Cov Front Par	ckaging	(Base) Back Packaging
Slot Punch⁵ (Check One)  ☑ V - Vertical Slot Punch		12345 = Ca	rd ID Number '-YY = Sales Order Number
Option - Custom Artwork <sup>2</sup> (Specify Artwork Number – Refer to the Custom State of the		new Artwork)	
Final Part Number 208 H P		V -	(Options #)
iCLASS Card Programming Information			
Bit Numbers (example: 26 bit) Format Number Facility Code  SE Elite ICE Number (if applicable)  (Custom Formats) Site Code City Code OEM Code  Internal Card # Start Stop External Card # Start  Special Instructions:	· · · · · · · · · · · · · · · · · · ·		
1 The part numbers for pag adhesive labels to be used with the ICLASS Clampbell with the	ha adhaaiya frant ara 122	04CCN21 without alo	st and 1224CCV/21 with alat

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<sup>&</sup>lt;sup>2</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

<sup>&</sup>lt;sup>3</sup> The external card number is placed in the top left-hand corner on the back of the card. HID logo molded into base on back.

<sup>&</sup>lt;sup>4</sup>Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.



#### 232/242 - iCLASS SR/Other HF - Combination Card Ordering Guide

SIO-Ready (SR) with MIFARE or DESFire contactless smart card offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element. This card provides maximized compatibility with added security into installations that DO contain standard iCLASS/MIFARE credentials.

For MIFARE Classic: This credential is only delivered with MIFARE Classic UID on 4 Bytes long only (32 Bit). It is not available with 7 bytes UID for Classic, only for DESFire EV1.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	232	? Standard	PVC		242	Coi	nposit	e 40%	6 Pc	olyester / PVC *
iCLASS Memory Size an  □ 0 - 2k Bits (256 Bytes) w  □ 3 - 32k Bits (4K Bytes) A  □ 4 - 32k Bits (4K Bytes) A	rith 2 Applicat application are	ion Areas (only a eas 16k/2+16k/1	vailable	with MIFAF	RE Classi	c 1K)			125" 4 cm)	Front Packaging
Secure Identity Object P  H - Programmed with St  I - Programmed with St  J - Programmed with St	ecurity Identity O Identity Ob	Object (SIO) for ect (SIO) for 2nd	technolo	gy only	/					3,370"
2 <sup>nd</sup> High Frequency Tech  M - MIFARE 1K Bytes (c  N - MIFARE 4K Bytes  K - DESFire EV1 8K Byte	only available		k bits)	12345 = C				0.033 (0.084 d	3" cm)	(8.57 cm)
Front Packaging (Check G - Plain White with Glos C - Custom Artwork with	ss Finish	<ul><li>Specify Custo</li></ul>	m Artwo		1-11-	Sales	Order N	lumber		OPTIONAL MAGNETIC STRIPE 1/2" (HICOHIGH ENERGY - 40000E)
Back Packaging (Check G - Plain White with Glos C - Custom Artwork with 1 - Plain White with Glos 3 - Custom Artwork with	ss Finish <sup>2</sup> Gloss Finish ss Finish with	Magnetic Stripe <sup>2</sup>			m Artwo	rk Nu	mber¹			12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
iCLASS Card Numbering  M - Sequential Matching  N - No External Card Nu  S - Sequential Internal/No  R - Random Internal/Non  A - Sequential Matching	Internal/Externations Internal/External Internal	rnál (Inkjetted) <sup>6</sup> n-Matching Exter equential Externa	al (Inkjett		]		Engrav	red) <sup>4</sup> m Interna		equential Non-Matching External (Laser n-Matching Sequential External (Laser
Slot Punch <sup>5</sup> (Check One, IMPORTANT – Dual Hig badge holder to attach to	gh Frequen				slot pun	ch d	ue to the	e anten	na d	lesign. HID recommends using a
N - No Slot Punch     ■ No Slot Punch										
2 <sup>nd</sup> High Frequency Tech  M - Sequential Matching  N - No External Card Nu  S - Sequential Internal/S  R - Random Internal/Noı  A - Sequential Matching	Internal/External/External Imbering Sequential No n-Matching S	rnal (Inkjetted) <sup>6</sup> n-Matching Exter equential Externa	nal (Inkje al (Inkjett	etted)6	]		Engrav	red) <sup>4</sup> m Interna		equential Non-Matching External (Laser n-Matching Sequential External (Laser
Option - Custom Artwork	(Specify A	rtwork Number –						v artwork	:)	
Enter your final card opt Final Part Number	tions from t	he above sele	ctions.	Example	: 2324F	INGC	NNN N		-	(Options #)



#### 2<sup>nd</sup> 13.56 MHz Programming Information **iCLASS Programming Information Bit Numbers** . (example: 26 bit) **Bit Numbers** . (example: 26 bit) **Format Number Format Number** (example: H10301) (example: H10301) **Facility Code Facility Code** iCLASS Elite ICE Number (if applicable) (Custom Formats) Site Code . City Code **OEM Code OEM Code** (Custom Formats) Site Code City Code Internal Card No. Start . Stop Internal Card No. Start **External Card No. Start** . Stop . Stop **External Card No. Start** . Stop Special Instructions:

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November 2015 Page 29 of 56

<sup>&</sup>lt;sup>1</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

<sup>&</sup>lt;sup>2</sup> Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo **IIID** and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

<sup>3</sup> The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.

<sup>&</sup>lt;sup>4</sup> For Laser Engraved external numbers, consult factory for lead times and cost.

<sup>&</sup>lt;sup>5</sup> Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

<sup>&</sup>lt;sup>6</sup> Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

<sup>\*</sup> The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



## 252/262 - iCLASS/LEGIC/Prox - Combination Card Ordering Guide

The iCLASS with LEGIC® contactless smart card as well as HID Proximity offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model		252	2 Stai	ndard	PVC		26	2 Con	nposit	e 40%	o Poly	este/	er / PV	C *	
iCLASS Memory Size and 3 - 32k Bits (4K Bytes) Ap 4 - 32k Bits (4K Bytes) Ap	plicat	tion ar	eas 16k	/2+16k/1	ĺ						10		(8	3.370° .57 cm)	
Secure Identity Object Pr	ogra curity	<b>mmin</b> Identit	i <b>g</b> y Object	t (SIO) fo	or iCLAS	S only				2	125"				
2nd High Frequency (13.5 ☑ 0 - LEGIC prime 1024	66 MI	Hz) Te	echnol	ogy							4 cm)		Front P	ackaging	
125 kHz Technology Card P - "HID Prox" Programm C - "Indala/Casi Prox" Pro N - Initialized 125 kHz Te	ed 12 gram	25 kHz imed 1	Techno 25 kHz	logy. Sp Technol	pecify Pro logy. Spe	ecify Prog	gramming		tion.	(0.084 cm)			——— Shared	I Card Edge —	
Front Packaging (Check Company G - Plain White with Gloss C - Custom Artwork with Grown Company Compan	s Fini	sh	ı - Speci	fy Custo	om Artwo	rk Numbe	er <sup>1</sup>						Back Pa	ackaging	
Back Packaging (Check C G - Plain White with Gloss C - Custom Artwork with G 1 - Plain White with Gloss 3 - Custom Artwork with G	s Fini: Gloss Finis	Finish sh with	Magnet	tic Stripe	<b>)</b> 2			work Nun	nber¹		123		Card ID N		er Number
iCLASS Card Numbering  M - Sequential Matching  N - No External Card Nur  S - Sequential Internal/Se  R - Random Internal/Non-  A - Sequential Matching I	ntern nberir quen Matc	al/Exteng tial No thing S	ernal (In n-Match equentia	ing Extended	ernal (Inkj nal (Inkjet			Engrav	red)⁴ - Randoi					ching Exter	rnal (Laser al (Laser
Slot Punch (Check One) IMPORTANT – Dual High badge holder to attach th							a slot p	unch du	ie to the	e anten	na des	ign. I	HID rec	ommends	s using a
N - No Slot Punch															
2 <sup>nd</sup> 13.56 MHz Card Numb															
125 kHz Card Numbering  M - Sequential Matching  N - No External Card Nur  S - Sequential Internal/Se  R - Random Internal/Non  A - Sequential Matching I	ntern nberir quen Matc	al/Exteng tial No thing S	ernal (In n-Match equentia	ing Extended	ernal (Inkj nal (Inkjet			Engrav	red)⁴ - Randor					ching Exter	rnal (Laser al (Laser
Option -Custom Artwork¹	Spec	ify Art	work Nu	mber – I	Refer to t	he Custo	m Artwor	k Forms	for new a	artwork					
Enter your final card opti	ons i	from	the abo	ve sel	ections	. Examp	le: 252	4HOPG(	GMNNN	1					
Final Part Number				Н	0					N	N			(Optio	ons #)
iCLASS Programming I	nfor	matio	on												
Bit Numbers (example Format Number (example Facility Code iCLASS Elite ICE Number (if (Custom Formats) Site Code OEM Cod Internal Card No. Start	appli appli ee	H1030  cable   Ci	)	·											
External Card No. Start		-													



125 kHz Programming Information
Bit Numbers (example: 26 bit)
Format Number (example: H10301)
Facility Code
(Custom Formats) Site Code City Code
OEM Code
Internal Card No. Start Stop
External Card No. Start Stop
Special Instructions:
<sup>1</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
<sup>2</sup> Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand on the back of the card.
<sup>3</sup> The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.
For Laser Engraved external numbers, consult factory for lead times and cost.
5 Please note that cards shipped within North America are always laser-engraved. Inkietted option is not available for these cards

<sup>\*</sup> The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



## 252/262 - iCLASS/Other 13.56 MHz (except LEGIC)/Prox - Combination Card Ordering Guide

The iCLASS with MIFARE or DESFire contactless smart card as well as HID Proximity offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element.

For MIFARE Classic: This credential is only delivered with MIFARE Classic UID on 4 Bytes long only (32 Bit). It is not available with 7 bytes UID for Classic, only for DESFire EV1.

Ensure each required option has been checked with the app	propriate choice to fulfill a completed order form.
Base Model 252 Standard PVC	262 Composite 40% Polyester / PVC *
iCLASS Memory Size and Allocation (Check One)  □ 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available with □ 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 □ 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/	MIFARE CLASSIC 1K)
Secure Identity Object Programming  ☐ H- Programmed with Security Identity Object (SIO) for iCLASS SR only ☐ I - Programmed with SIO Identity Object only (SIO) for 2 <sup>nd</sup> technology only	<ul> <li>J - Programmed with SIO Identity Object (SIO) iCLASS (iCLASS SR) and 2<sup>nd</sup> technology programmed with SIO only</li> <li>K - Programmed with SIO Identity Object (SIO) iCLASS (iCLASS SR and 2<sup>nd</sup> technology programmed (non SIO)</li> </ul>
2 <sup>nd</sup> High Frequency (13.56 MHz) Technology (Check One)  ☐ M - MIFARE 1K Bytes (only available with iCLASS 2k bits) ☐ N - MIFARE 4K Bytes ☐ K - DESFire EV1 8K Bytes	
125 kHz Technology Card Programming (Check One)  □ P - "HID Prox" Programmed 125 kHz Technology. Specify Program □ C - "Indala/Casi Prox" Programmed 125 kHz Technology. Specify F □ N - Initialized 125 kHz Technology. Programming Information Not F	Programming Information
Front Packaging (Check One)  G - Plain White with Gloss Finish  C - Custom Artwork with Gloss Finish – Specify Custom Artwork Nu	umber¹
Back Packaging (Check One)  ☐ G - Plain White with Gloss Finish <sup>2</sup> ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	<ul> <li>☐ 1 - Plain White with Gloss Finish with Magnetic Stripe<sup>2</sup></li> <li>☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number¹</li> </ul>
iCLASS Card Numbering³ (Check One)  ☐ M - Sequential Matching Internal/External (Inkjetted)⁵ ☐ N - No External Card Numbering ☐ S - Sequential Internal/Sequential Non-Matching External (Inkjetted)☐ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ ☐ A - Sequential Matching Internal/External (Laser Engraved)⁴	
Slot Punch⁵ (Check One)	
IMPORTANT – Dual High Frequency credentials do not allo badge holder to attach this card to a lanyard or badge clip.  ■ N - No Slot Punch	ow a slot punch due to the antenna design. HID recommends using a
2 <sup>nd</sup> 13.56 MHz Card Numbering³ (Check One)  M - Sequential Matching Internal/External (Inkjetted)⁵  N - No External Card Numbering  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)  R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵  A - Sequential Matching Internal/External (Laser Engraved)⁴	
125 kHz Card Numbering³ (Check One)  M - Sequential Matching Internal/External (Inkjetted)⁵  N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵  A - Sequential Matching Internal/External (Laser Engraved)⁴	
Option - Custom Artwork <sup>1</sup>	
(Specify Artwork Number – Refer to the	,
Enter your final card options from the above selections. Ex	ampie: 2524HNGGNNN

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**Final Part Number** 

(Options #)



iCLASS Programming Information
Bit Numbers (example: 26 bit)  Format Number (example: H10301)  Facility Code  iCLASS Elite ICE Number (if applicable)  (Custom Formats) Site Code City Code  OEM Code  Internal Card No. Start Stop.  External Card No. Start Stop
2 <sup>nd</sup> 13.56 MHz Programming Information
Bit Numbers (example: 26 bit)  Format Number (example: H10301)  Facility Code  (Custom Formats) Site Code City Code  OEM Code  Internal Card No. Start Stop  External Card No. Start Stop  Special Instructions:
125 kHz Programming Information
Bit Numbers (example: 26 bit)  Format Number (example: H10301)  Facility Code  (Custom Formats) Site Code City Code  OEM Code  Internal Card No. Start Stop  External Card No. Start Stop  Special Instructions:
<sup>1</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost. <sup>2</sup> Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand on the back of the card. <sup>3</sup> The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card. <sup>4</sup> For Laser Engraved external numbers, consult factory for lead times and cost. <sup>5</sup> Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

<sup>\*</sup> The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



## **UHF Credentials**

#### 600 - UHF Card Ordering Guide

The SIO Enabled UHF (Ultra High Frequency: 860-960 MHz) contactless smart card is designed for long read range (parking, gate, healthcare...) while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element. **Direct to Card printing on these cards is not recommended.** 

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	600 Cd	mposi	ite 40% P	olyester	·/PVC	<u> </u>							
Secure Identity Object Progra	mming						•						
▼ T - UHF Programmed with Security	re Identity (	Object.											
							\$ (E						
Front Packaging (Check One)							2.125" (5.4 cm)						
G - Plain White with Gloss Finish													
C - Custom Artwork with Gloss F		cify Custo	m Artwork Nur	mber1						3.370"			
							-1	•		(8.57) cn	10 /		
Back Packaging (Check One)							+					17	5
,							0.033" (0.084 cm)						
G - Plain White with Gloss Finish							000						)
☐ C - Custom Artwork with Gloss F ☐ 1 - Plain White with Gloss Finish				mber									
3 - Custom Artwork with Gloss F				y Custom Ar	twork Nur	mber1							
				•									
UHF Card Numbering <sup>3</sup> (Check	One)									and the second	SA Call		as
om oura namboring (oncon	<b></b> .,									OPTIONAL MAGN %" '(HICO/HIGH ENE	ETIC STRIPE RGY -4000OE)		
N - No External Card Numbering		_						© HID	UHF			MYYYYY-YY	)
■ A - Sequential Matching Internal ■ B - Sequential Internal/Sequential				araved)4							UHF	YYY - YY = Sales	Order Num
☐ C - Random Internal/Non-Matchi		•	, ,	,									
Slot Punch (Check One)  N - No Slot Punch													
Option - Custom Artwork¹  ☐ (Spe	rify Artwork	Number -	- Refer to the (	Custom Arty	vork Form	ns for ne	w artwork	<i>(</i> )					
Enter your final card options fi	•						or armon	٠,					
Final Part Number 600	Т			N	-		(Option	ns #)					
	<u> </u>						` '	•					
UHF Programming Information	1												
Bit Numbers <sup>5</sup>		. (	example: 26 b	oit)									
Format Number			•	,									
Facility Code		,,,,,	,										
(Custom Formats) Site Code		City Cod	e										
OEM Code													
Internal Card No. Start	;	Stop		_•									
External Card No. Start													
Special Instructions:													
<sup>1</sup> For new artwork files, contact Customer <sup>2</sup> Cards ordered with plain white front and the card. <sup>3</sup> The external card number is placed in the foot loose Engroyed outgraph numbers.	back packag e bottom righ	ing, or cust t-hand corr	om artwork, will s	I-times, and co	ost. nall HID log	go HID	and refere	ence numb	er printed	I in the low	er left-han	d on the ba	ck of

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\* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

<sup>5</sup> Number of bits should remain below 120 bits



## 601 - UHF/iCLASS Card Ordering Guide

The SIO enabled UHF/iCLASS smart card provides a secure long range parking and gate control solution that can be used in conjunction with existing access control technologies. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element. **Direct to Card printing on these cards is not recommended.** 

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	nposite 40% Polyester	/PVC *		
iCLASS Memory Size and Allocation  3 - 32k Bits (4K Bytes) Application areas 16k/ 4 - 32k Bits (4K Bytes) Application areas 16k/				
Card Programming  ☐ T - UHF Programmed with Secure Identity Obwith legacy and Secure Identity Obwith legacy and Secure Identity Obwith legacy payload.  ☐ S - UHF Programmed with Secure Identity Obwith SIO.  ☐ C - UHF Programmed with Secure Identity Obwith SIO.  ☐ C - UHF Programmed with Secure Identity Obwith SIO.  ☐ C - UHF Programmed with Secure Identity Obwith SIO.  ☐ C - Custom Artwork with Gloss Finish — Speci	yloads.  oject. iCLASS programmed  oject. iCLASS programmed  oject. iCLASS field encoded.	2.125° (5.4 cm)		
Back Packaging (Check One)  ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish — Speci ☐ 1 - Plain White with Gloss Finish with Magneti ☐ 3 - Custom Artwork with Gloss Finish with Magneti	ic Stripe <sup>2</sup>	0.033° →		3.370" (8.57) cm
UHF Card Numbering³ (Check One)  N - No External Card Numbering  A - Sequential Matching Internal/External (Last B - Sequential Internal/Sequential Non-Matchine Engraved)⁴  C - Random Internal/Non-Matching Sequential Engraved)⁴	ing External (Laser	J	орг	TIONAL MAGNETIC STRIPE
iCLASS Card Numbering³ (Check One)  N - No External Card Numbering  A - Sequential Matching Internal/External (Last B - Sequential Internal/Sequential Non-Matchine Engraved)⁴  C - Random Internal/Non-Matching Sequential Engraved)⁴  Slot Punch (Check One)	ing External (Laser		%"(%) iCLASS UHF	10VAL MARKETE STRIPE (CO)HUGH ENERGY -40000E)  4*12345 12345 YYYYYYYY-YY SR  1CLASS UHF  YYYYYYYY - YY = Sales Order Number
Enter your final card options from the abo	lumber – Refer to the Custom Artwove selections. Example: 60		v artwork)	
Final Part Number 601		N	(Options #)	
UHF Programming Information				
Bit Numbers <sup>5</sup>	. (example: 26 bit)			
Format Number	(example: H10301)			
Facility Code				
(Custom Formats) Site Code Ci	ity Code			
OEM Code	•			
Internal Card No. Start Sto				
External Card No. Start Sto				

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Special Instructions:

#### iCLASS SE How To Order Guide - D00545, E.0



November 2015

iCLASS Programming Information	on
Bit Numbers	(example: 26 bit)
Format Number	(example: H10301)
Facility Code	
(Custom Formats) Site Code	City Code
OEM Code	
Internal Card No. Start	Stop
External Card No. Start	Stop
Special Instructions:	

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 $<sup>^{\</sup>rm 1} For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.$ 

<sup>&</sup>lt;sup>2</sup> Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand on the back of the card.

The external card number is placed in the bottom right-hand corner for UHF

 $<sup>^4</sup>$  For Laser Engraved external numbers, consult factory for lead times and cost.  $^5$  Number of bits should remain below 120 bits

<sup>\*</sup> The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



# **LEGIC Multi-technology Credentials**

# 292/295 - LEGIC/Other 13.56MHz/Prox - Combination Card Ordering Guide

The LEGIC with SIO enabled solution for MIFARE DESFire contactless smart card as well as HID Proximity offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model		292 Sta	andar	d PVC	)		295 C	отро	site 4	0% P	olye	ste	r/PVC *
LEGIC High Frequency  ☑ 0 - LEGIC prime 1024		ogy								٠			3.370" (8.57 cm)
Secure Identity Object  S - 1st technology blan  N - Card blank - neither	nk, 2nd tech	inology S		ammed								Front Packaging	
2 <sup>nd</sup> High Frequency (13	<b>cy (13.56 MHz) Technology</b> '1 8K Bytes												
125 kHz Technology Card Programming (Check One)  P - "HID Prox" Programmed 125 kHz Technology. Specify Programming Information C - "Indala/Casi Prox" Programmed 125 kHz Technology. Specify Programming Information N - Initialized 125 kHz Technology. Programming Information Not Required													0-16-151
Front Packaging (Chec G - Plain White with G C - Custom Artwork w	loss Finish	nish – Sp	ecify Cus	tom Artv	ork Num	nber¹			(0.084 cm)				Shared Card Edge
Back Packaging (Chec G - Plain White with G C - Custom Artwork w 1 - Plain White with Gl 3 - Custom Artwork wi Number¹	loss Finish <sup>2</sup> ith Gloss Fir oss Finish v	nish – Sp vith Magr	etić Strip	e <sup>2</sup>			Artwork					I	Back Packaging
LEGIC Card Numberin											2345		rd ID Number
Slot Punch										Υ	YYYY	YYY	Y-YY = Sales Order Number
badge holder to attach						v a slot	t punch	due to	the an	tenna	desig	n. H	IID recommends using a
N - No Slot Punch													
2 <sup>nd</sup> 13.56 MHz Card Numbering³(Check One)  M - Sequential Matching Internal/External (Inkjetted)⁵  N - No External Card Numbering  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵  R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵  R - Sequential Matching Internal/External (Laser Engraved)⁴  A - Sequential Matching Internal/External (Laser Engraved)⁴  Engraved)⁴  Engraved)⁴													
125 kHz Card Numbering³(Check One)  M - Sequential Matching Internal/External (Inkjetted)⁵  N - No External Card Numbering  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵  R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵  R - Sequential Matching Internal/External (Laser Engraved)⁴  C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴  A - Sequential Matching Internal/External (Laser Engraved)⁴													
Option -Custom Artwo  ☐		Artwork N	Number –	- Refer to	the Cus	tom Artv	work Forr	ns for ne	w artwo	rk.			
Enter your final card o	ptions fro	m the a	bove se	lection	s. Exan	nple: 2	920SKI	PGGNN	NN				
Final Part Number		0		K				N	N			-	(Options #)



#### LEGIC Programming Information (no programming possible in this version)

2 <sup>nd</sup> 13.56 MHz Programming Information
Bit Numbers (example: 26 bit)
Format Number (example: H10301)
Facility Code
(Custom Formats) Site Code City Code
OEM Code
Internal Card No. Start Stop
External Card No. Start Stop
Special Instructions:
125 kHz Programming Information
Bit Numbers . (example: 26 bit)
Format Number (example: H10301)
Facility Code
(Custom Formats) Site Code City Code
OEM Code
Internal Card No. Start Stop
External Card No. Start Stop
Special Instructions:
<sup>1</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

<sup>&</sup>lt;sup>2</sup> Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand on the back of the card.

<sup>3</sup> The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.

<sup>&</sup>lt;sup>4</sup> For Laser Engraved external numbers, consult factory for lead times and cost.

<sup>&</sup>lt;sup>5</sup>Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

<sup>\*</sup> The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



#### 293/296 - LEGIC/Other HF - Combination Card Ordering Guide

The LEGIC with SIO enabled solution for MIFARE DESFire contactless smart card offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element. This card provides maximized compatibility with added security into installations that do contain standard LEGIC/DESFire credentials.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	<u> </u>	3 Sta	ndard	PVC		] 29	6 Cc	mposi	te 40%	6 P	olyester / PVC *
LEGIC High Frequency  ☑ 0 - LEGIC prime 1024	Technolog	y									3.370* (8.57 cm)
Secure Identity Object F  S - 1st technology blank  N - Card blank - neither	k, 2nd techno	ology SIC									
2 <sup>nd</sup> High Frequency (13. ⊠ K – MIFARE DESFire E			ogy					,	2.125" (5.4 cm)		Front Packaging
Front Packaging (Check G - Plain White with Glo C - Custom Artwork with	ss Finish	h – Spe	cify Custo	m Artwo	rk Numbe	er <sup>1</sup>					
Back Packaging (Check G - Plain White with Glo	ss Finish2							(0.004	.033		Shared Card Edge ==== =
C - Custom Artwork with 1 - Plain White with Glo 3 - Custom Artwork with Number¹	ss Finish with Gloss Finish	n Magne	tic Stripe <sup>2</sup>				work	į			Back Packaging
LEGIC Card Numbering  ☑ N - No External Card No	ambering										
Slot Punch  IMPORTANT — Dual Hi due to the antenna desi this card to a lanyard or  N - No Slot Punch  2nd High Frequency Tect M - Sequential Matching N - No External Card Ni S - Sequential Internal/Not R - Random Internal/Not A - Sequential Matching  Option - Custom Artwor	hnology C g Internal/Ext umbering Sequential N n-Matching S Internal/Ext (Specify A	ard Numbernal (Iron-Matci Sequentiernal (La	mbering mbering nkjetted) <sup>5</sup> hing Externa lal Externa aser Engra	ing a book of the control of the con	k One) etted) <sup>5</sup> ted) <sup>5</sup>	older to	attac	<b>B</b> - Seque Engra <b>C</b> - Rando Engra	ved) <sup>4</sup> om Interna ved) <sup>4</sup>	1: Y rnal/S	2345 = Card ID Number YYYYYYY-YY = Sales Order Number  sequential Non-Matching External (Laser n-Matching Sequential External (Laser
Enter your final card op Final Part Number	tions from	the ab	ove sele	ctions. K	Examp	le: 293	OSKG N	GNNN N		Τ.	(Options #)
LEGIC Programming Inf		no pro			sible in	this ver	1	1 **			(
Bit Numbers Format Number (exa	•	11)	.(exa	mple:26	6 bit)		Exte		No. Star	t	Stop Stop
(Custom Formats) Site Cod			-								
15					1 10						

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For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

<sup>&</sup>lt;sup>2</sup> Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand on the back of the card.

<sup>3</sup> The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.

<sup>&</sup>lt;sup>4</sup> For Laser Engraved external numbers, consult factory for lead times and cost.

<sup>&</sup>lt;sup>5</sup>Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

<sup>\*</sup> The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



# **SIO-Enabled Technology for MIFARE Classic Credentials**

# 340/345 - MIFARE Classic Card Ordering Guide

Encompasses the industry's broadest range of open standard contactless smart card products. Provides the memory structure and capacity to store multiple applications on a single credential.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Models	0.400 (440 0)
☐ 3400 (1K) Standard PVC ☐ 3450 (1K) Composite 40% Polyester / PVC * ☐	3406 (4K) Standard PVC 3456 (4K) Composite Polyester 40% / PVC *
Secure Identity Object Programming  P - Programmed with Security Identity Object (SIO)	
Front Packaging (Check One)  G - Plain White with Gloss Finish  C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	2.125" (5.4 cm) Front Packaging
Back Packaging (Check One)  ☐ G - Plain White with Gloss Finish² ☐ S - Standard HID MIFARE Artwork² ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 2 - Standard HID MIFARE Artwork with Magnetic Stripe ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹.² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹.²	3.370° (8.57 cm)
Card Numbering³ (Check One)  M - Sequential Matching Internal/External (Inkjetted)²  N - No External Card Numbering  U - UID (CSN) HEX card numbering only (Inkjetted)²  V - UID (CSN) Decimal card numbering only (Inkjetted)²  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)²  R - Random Internal/Sequential Sequential External (Inkjetted)²  A - Sequential Matching Internal/External (Laser Engraved)⁴  B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴  C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴  Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)⁴	Back Packaging  Note: 340 credential image may vary.
Slot Punch <sup>5</sup> (Check One)  N - No Slot Punch (Printed location of vertical slot punch will remain)  V - Vertical Slot Punch  H - Horizontal Slot Punch	12345 = Card ID Number YYYYYYYYYY = Sales Order Number
Option - Custom Artwork <sup>1</sup> (Specify Artwork Number – Refer to the Custom Artwork for Enter your finel card antique from check bayes above. Example: 3400BCCN	,
Enter your final card options from check boxes above. Example: 3400PGGN Final Part Number  P  N	
13.56 MHz Card Programming Information	
	ample: H10301)
Special Instructions:	
For Contact Smart Chip selection, refer to Logical Access How to Order Guide. Standa 1 For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost. 2 Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, w left-hand corner and a slot punch target printed on the back of the card. 3 The external card number is placed in the bottom right-hand corner on the back of the card on Proximity For Laser Engraved external numbers, consult factory for lead times and cost. When printed, by default byte). 5 Cards are provided with an optional slot punch at no additional charge. Some video imaging printers car manufacturer prior to ordering.	will still have a small HID logo HID and reference number printed in the lower of Format Programming only. It the number is encoded MSB (most significant byte) -> LSB (least significant

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<sup>5</sup>Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

\* The composite construction is recommended for all cards with over-laminate applied.



# 350/355 - MIFARE Classic + Prox Card Ordering Guide

Encompasses the industry's broadest range of open standard contactless smart card products. Provides the memory structure and capacity to store multiple applications on a single credential with the addition of Proximity technology for easier migration.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Models  ☐ 3500 (1K) Standard PVC ☐ 3550 (1K) Composite 40% Polyester / PVC *	☐ 3506 (4K) Sta	ndard PVC mposite Polyester 40% / PVC *							
Programming (Check One)  □ P - Programmed with Security Identity Object (SIO) for MIFARE, Prox non-process.  □ R - Both interfaces programmed (MIFARE with Security Identity Object (SIO) programmed with HID format)									
Front Packaging (Check One)  ☐ G - Plain White with Gloss Finish ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	2.125" (5.4 cm)	Front Packaging							
Back Packaging (Check One)  G - Plain White with Gloss Finish² S - Standard HID MIFARE Artwork²  1 - Plain White with Gloss Finish with Magnetic Stripe² 2 - Standard HID MIFARE Artwork with Magnetic Stripe C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹,² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹,²	0.033" (0.084 cm)	3.370" (8.57 cm)							
13.56 MHz MIFARE Card Numbering³ (Check One)  M - Sequential Matching Internal/External (Inkjetted)⁵  N - No External Card Numbering  U - UID (CSN) HEX card numbering only (Inkjetted)⁵  V - UID (CSN) Decimal card numbering only (Inkjetted)⁵  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵  R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵  A - Sequential Matching Internal/External (Laser Engraved)⁴  B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴  C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴  Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)⁴		Note: 350 credential may vary.  Note: 340 credential image may vary.							
Slot Punch  ☐ N - No Slot Punch (Printed location of vertical slot punch will remain) ☐ V - Vertical Slot Punch									
U - Vertical Slot Punch  125 kHz Prox Card Numbering³ (Check One)  M - Sequential Matching Internal/External (Inkjetted)⁵  N - No External Card Numbering  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵  R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵  R - Sequential Matching Internal/External (Laser Engraved)⁴  C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴  Engraved)⁴  Engraved)⁴  Engraved)⁴									
Option - Custom Artwork¹  (Specify Artwork Number – Refer to the Custom A	,								
Enter your final card options from check boxes above. Example: 356  Final Part Number	N -	(Options #)							
13.56 MHz Card Programming Information									
Bit Numbers (example: 26 bit)  Format Number (example: H10301)  Facility Code  SE Elite ICE Number (if applicable)  (Custom Formats) Site Code City Code OEM Code  Internal Card No. Start Stop  External Card No. Start Stop  Special Instructions:									

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November 2015



# SIO-Enabled Technology for MIFARE DESFire EV1 Credentials

#### 370/375 - MIFARE DESFire EV1 Card Ordering Form Guide

Based on open global standards for security, and is interoperable with existing MIFARE DESFire infrastructures.

Ensure each require	d option	has been d	checked	i with th	e approp	oriate ch	oice to f	ulfill a c	ompl	eted order form.	
Base Model	37	700 Stand	dard P	VC		375	50 Con	nposite	40	% Polyester / PVC *	
DESFire EV1 Memory  ☑ C - 8K Bytes DESFir								<del>1</del>		_	
Secure Identity Object P - Programmed with			ect (SIO)					2.12	25"		
Front Packaging (Ch. G - Plain White with C - Custom Artwork	Gloss Fir	nish	ecify Cus	tom Artwo	ork Numbe	er <sup>1</sup>		(5.4	cm)	Front Packaging	
Back Packaging (Che G - Plain White with 1 - Plain White with C - Custom Artwork Artwork Number	Gloss Fir Gloss Fin with Glos with Glos	nish² ish with Magn ss Finish – Spe	ecify Cust	tom Artwo	ork Numbe pecify Cus	er <sup>1, 2</sup> stom		0.033" (0.084 cr	m)	3.370° (8.57 cm)	
Card Numbering3 (Check One)  M - Sequential Matching Internal/External (Inkjetted)5  N - No External Card Numbering  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)5  R - Random Internal/Non-Matching Sequential External (Inkjetted)5  A - Sequential Matching Internal/External (Laser Engraved)4  B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)4  C - Random Internal/Non-Matching Sequential External (Laser Engraved)4  Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)4											
Slot Punch  N - No Slot Punch  V - Vertical Slot Punch  H - Horizontal Slot Punch											
Option - Custom Artv		ecify Artwork	Number	_ Refer to	the Cust	om Artwoi	k Forms f	or new Ar	twork)		
Enter your final card		•						51 110 11 7 11	ινοπη		
Final Part Number			С	Р				N	-	(Options #)	
13.56 MHz Card Pro	gramm	ing Inform	ation								
Bit Numbers (e Format Number Facility Code SE Elite ICE Number (if (Custom Formats) Site Internal Card No. Start External Card No. Start Special Instructions: For Contact Smart C smart chip module.	(example applicab Code . S	e: H10301) le) City Coc Stop Stop				_· to Orde	r Guide.	Standa	rd co	nfiguration does not include a contact	
<sup>1</sup> For new artwork files, conta <sup>2</sup> Cards ordered with plain what left-hand corner and a slot	nite front ar	nd back packagi	ing, with no	HID artwo				have a sm	nall HID	logo HID and reference number printed in the lower	

An ASSA ABLOY Group program

November 2015

ASSA ABLOY
Page 43 of 56

<sup>&</sup>lt;sup>3</sup> The external card number is placed in the bottom right-hand corner on the back of the card on Proximity Format Programming only. Permanent Unique MIFARE 56 Bit serial # cannot be printed on cards.

<sup>&</sup>lt;sup>4</sup> For Laser Engraved external numbers, consult factory for lead times and cost. When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).

<sup>&</sup>lt;sup>5</sup> Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

<sup>\*</sup> The composite construction is recommended for all cards with over-laminate applied.



# 380/385 - MIFARE DESFire EV1 + Prox Card Ordering Form Guide

Based on open global standards for security, and is interoperable with existing MIFARE DESFire infrastructures with the addition of Proximity technology for easier migration.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model 3800 Standard PVC	3850 Composite 40% Polyester / PVC *										
DESFire EV1 Memory Size  ☑ C - 8K Bytes DESFire EV1	1										
Programming (Check One)  □ P - Programmed with Security Identity Object (SIO) for DESFire, Prox non-program  □ R - Both interfaces programmed (DESFire with Security Identity Object (SIO), Prox programmed with HID format)											
Front Packaging (Check One)  G - Plain White with Gloss Finish  C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹											
Back Packaging (Check One)  ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹.² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹.²	0.033" (8.57 cm)										
13.56 MHz DESFire Card Numbering³ (Check One)  M - Sequential Matching Internal/External (Inkjetted)⁵  N - No External Card Numbering  S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵  R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵  A - Sequential Matching Internal/External (Laser Engraved)⁴  B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴  C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴	Note: 380 credential may vary.  Note: 375 credential image may vary.										
Slot Punch  IMPORTANT – MIFARE DESFire EV1 credentials do not allow a slot punch due to the antenna design, use a badge holder to attach this card to a lanyard or badge clip.  N - No Slot Punch											
	<ul> <li>B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)<sup>4</sup></li> <li>C - Random Internal/Non-Matching Sequential External (Laser Engraved)<sup>4</sup></li> </ul>										
Option - Custom Artwork <sup>1</sup> (Specify Artwork Number – Refer to the Custom Artwork	,										
Enter your final card options from check boxes above. Example: 3850CP Final Part Number  C	N   - (Options #)										
13.56 MHz Card Programming Information											
Bit Numbers (example: 26 bit)  Format Number (example: H10301)  Facility Code  SE Elite ICE Number (if applicable) (Custom Formats) Site Code City Code OEM Code  Internal Card No. Start Stop  External Card No. Start Stop  Special Instructions:											



125 kHz Card Programming Information
Bit Numbers . (example: 26 bit)
Format Number (example: H10301)
Facility Code
(Custom Formats) Site Code City Code OEM Code
Internal Card No. Start Stop
External Card No. Start Stop
Special Instructions:
For Contact Smart Chip selection, refer to Logical Access How to Order Guide. Standard configuration does not include a contact smart chip module.
<sup>1</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
<sup>2</sup> Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the low left-hand corner and a slot punch target printed on the back of the card.
<sup>3</sup> The external card number is placed in the bottom right-hand corner on the back of the card on Proximity Format Programming only. Permanent Unique MIFARE 56 Bit serial # canno be printed on cards.

ASSA ABLOY An ASSA ABLOY Group program November 2015 Page 45 of 56

<sup>For Laser Engraved external numbers, consult factory for lead times and cost.

Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

The composite construction is recommended for all cards with over-laminate applied.</sup> 



#### iCLASS SE & multiCLASS SE Readers

The iCLASS SE and multiCLASS SE readers are designed for installations that need to mount on wiring boxes. The iCLASS SE and multiCLASS SE reader is a flush mount reader that fits single- and double-gang electrical boxes.

Note: Part numbers and schemes have changed from past versions.

		Part Number											
Description	Base Part No.	125 kHz Interpreters <sup>1</sup>	13.56 MHz Interpreters <sup>2</sup>	Controller Communications	Controller Hardware Connection	Product Version	Color	Security <sup>3</sup>	Configuration Settings <sup>4</sup>				
iCLASS SE R10 & multiCLASS SE RP10 Mini-Mullion Reader	900				N = Pigtail (18") L = Long Pigtail (6') <sup>5</sup> T = Terminal Strip	E			0000 = Standard XXXX = Specific				
iCLASS SE R15 & multiCLASS SE RP15 Mullion Reader	310	N = No Prox P = HID Prox, AWID	W = Custom	N = Wiegand C = Clock-and-Data P = OSDP using RS-485 Half Duplex									
iCLASS SE R40 & multiCLASS SE RP40 Wall Switch Reader	920	and EM4102 L = Indala Prox											
iCLASS SE RK40 & multiCLASS SE RPK40 Wall Switch Keypad Reader	921												
iCLASS SE R90 Extended Range Reader	940	N = No Prox			T = Terminal Strip								

<sup>&</sup>lt;sup>1</sup>125 kHz Prox Interpreters:

Order N for only high frequency 13.56 MHz technology (such as iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic, SE for MIFARE DESFire EV1).

Order P for support of HID Prox, AWID, and EM4102 (32 bit)

Order L for support of all Indala Prox (only), please make sure to provide needed format at time of order including Indala 10022 (26-bit). OSDP Communication not available.

<sup>2 13.56</sup> MHz Interpreters

T = Recommended ONLY for Maximum Compatibility with legacy iCLASS installations - Supports Secure Identity Object (SIO), Seos, standard iCLASS HID Access Control Application, MIFARE CSN, and MIFARE DESFire CSN. Compatible with the following credentials: iCLASS Seos, iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic, SE for MIFARE DESFire EV1 and MIFARE-CSN. Use 0 or E for security options.

N = Recommended for Maximum Security – Supports Secure Identity Object (SIO) including Seos .. providing the maximum security data model for physical access control. Compatible only with iCLASS Seos and iCLASS SE credentials. Use 2 or E for security options:3

W = For custom programming options, consult your regional technical support representative. Custom programming configurations support up to two (2) of the following: MIFARE Classic, MIFARE DESFire EV1 (including DESFire 0.6 backward compatible configurations). Additionally readers support ISO14443A CSN

R = Readers with FeliCa and CEPAS have the ability to read FeliCa ID and CEPAS CAN or CSN. By default SIO and Seos with Legacy is enabled. Not available on 9xxL or 940N part numbers.

<sup>&</sup>lt;sup>3</sup> iCLASS Security Options (Factory or Field Configurable):

<sup>0 =</sup> Standard Security (Version 1) Keyset - coupled with the Standard 13.56 MHz interpreter "T" provides compatibility with iCLASS Se, iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic and SE for MIFARE DESFire EV1 credentials.

<sup>2 =</sup> Standard Security (Version 2) Keyset - coupled with the SIO and Seos (Only) 13.56 MHz interpreter "N" provides compatibility with iCLASS Seos, iCLASS SE, MIFARE Classic SE and MIFARE DESFire EV1 SE credentials.

E = Elite reads only SE Elite™ credentials with unique matching keys. Works with iCLASS Seos, iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic and SE for MIFARE DESFire EV1 with matching Elite keys. Line item on PO requires ICE reference number.

<sup>&</sup>lt;sup>4</sup> Configuration Settings

All standard readers ship with the following features - 13.56MHz interpreter "T" enabled, Wiegand "N" enabled, and Standard-1 "0" security keys enabled, LED normally Red + Reader beeps / flashes LED green on card read + Keypad Output is 4-bit (if keypad reader). ANY other option selected requires a specific configuration EXTENSION. To order non-standard configuration options, use the following "Select" tab on the iCLASS SE Configuration spreadsheet at the following link <a href="https://www.hidqlobal.com/node/19914">https://www.hidqlobal.com/node/19914</a>. Your HID Global Support or Sales representative can help you determine your final configuration.

<sup>&</sup>lt;sup>5</sup> Long pigtail only available on RP10 Indala (900L) and RPK40 Indala (921L).



# iCLASS SE & multiCLASS Readers - Quick Reference Part Numbers

Class	Sub Class	Prox/No Prox	13.56 MHz (HF) interpreter	Controller Connection	Color	Pigtail/ Terminal	Keys	LED	LED	Buzzer	Read	Power Mgmt	Keypad	Part number
iCLASS SE		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NTNNEK00000
	R10	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NTNTEK00000
	KIU	LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NNNNEK2037P
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NNNTEK2037P
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910NTNNEK00000
	R15	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910NTNTEK00000
	KIS	LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910NNNNEK2037P
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910NNNTEK2037P
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920NTNNEK00000
	R40	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920NTNTEK00000
	K40	LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920NNNNEK2037P
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920NNNTEK2037P
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921NTNNEK00000
	RK40	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921NTNTEK00000
	KK40	LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921NNNNEK2037R
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921NNNTEK2037R
	R90	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		940NTNTEK00000
	K90	LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		940NNNTEK2037P
multiCLASS SE		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PTNNEK00000
	RP10	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PTNTEK00000
	KF IU	LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PNNNEK2037Q
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PNNTEK2037Q
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PTNNEK00000
	RP15	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PTNTEK00000
	RP15	LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PNNNEK2037Q
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PNNTEK2037Q
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PTNNEK00000
	RP40	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PTNTEK00000
	KF40	LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PNNNEK2037Q
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PNNTEK2037Q
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921PTNNEK00000
	RPK40	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921PTNTEK00000
	INFIN4U	LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921PNNNEK2037T
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921PNNTEK2037T

November 2015 Page 47 of 56



#### iCLASS SE & multiCLASS SE Readers - Seos Profile

The iCLASS SE and multiCLASS SE readers with Seos Profile are designed for installations that require high level security and do not need support for legacy credential technology. The iCLASS SE and multiCLASS SE readers with Seos Profile are flush mount devices that fit door mullions or single -gang electrical boxes.

Description	Base Part No.	125 kHz Support <sup>1</sup>	13.56 MHz Support	Controller Communication	Hardware Connection	Product Version	Color	Security <sup>2</sup>	Configuration <sup>3</sup>
R10 & RP10 Mullion Reader	900								
R40 & RP40 Wall Reader	920	N = No Prox P = HID Prox	S = Seos Only		N = Pigtail (18") T = Terminal Strip	E	K = Black	2 = Standard-2 E = Elite	0000
RK40 & RPK40 Keypad Reader	921								

<sup>&</sup>lt;sup>1</sup> 125 kHz Support:

All Seos Profile readers ship with the following standard configuration: LED normally Red + Reader beeps / flashes LED Green 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 below:

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 - 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)
SE-SEOS-2-CRD2	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Panel output settings (3 cards)
SE-SEOS-2-CRD3	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Audio visual settings (13 cards)
SE-SEOS-2-CRD4	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - keypad format settings (4 cards)
SE-SEOS-E-CRD1	iCLASS SE Seos Profile readers configuration config cards - Elite keys - Seos and prox settings (4 cards)
SE-SEOS-E-CRD2	iCLASS SE Seos Profile readers configuration config cards - Elite keys - Panel output settings (3 cards)
SE-SEOS-E-CRD3	iCLASS SE Seos Profile readers configuration config cards - Elite keys - Audio visual settings (13 cards)
SE-SEOS-E-CRD4	iCLASS SE Seos Profile readers configuration config cards - Elite keys - keypad format settings (4 cards)

Note: The above Configuration cards are only applicable on iCLASS SE Seos profile readers.

N = No Prox - no 125kHz Prox credential support.

P = HID Prox - Adds support for HID Prox 125kHz credentials.

<sup>&</sup>lt;sup>2</sup> Security

<sup>2 =</sup> Standard Security - Compatible with any standard key Seos credentials. Will not read any Seos credential with unique keys such as Elite.

E = Elite – Compatible with Elite™ Seos credentials with matching Elite keys. Will not read any Seos credential with standard keys. Line item on PO requires ICE reference number.

<sup>&</sup>lt;sup>3</sup> Configuration:



# iCLASS SE & multiCLASS SE Magnetic Stripe Readers

The iCLASS SE and multiCLASS SE with Magnetic Stripe readers are designed for installations that need simultaneous support for both magnetic stripe and contactless credentials. The iCLASS SE and multiCLASS SE with Magnetic Stripe readers are flush mount devices that fit single- and double-gang electrical boxes.

Note: Part numbers and schemes have changed from past versions.

	Part Number								
Description	Base Part No.	125 kHz Interpreters <sup>1</sup>	13.56 MHz Interpreters <sup>2</sup>	Controller Communications	Controller Hardware Connection	Product Version	Color	Security <sup>3</sup>	Configuration Settings⁴
iCLASS SE RM40 & multiCLASS SE RMP40 Wall Switch Reader w/ Magnetic Stripe	922	N = No Prox	with Legacy	N = Wiegand C = Clock-and-Data	N = Pigtail (18")	-		0 = Standard-1	MMM 0 5 5
iCLASS SE RMK40 & multiCLASS SE RMPK40 Wall Switch Keypad Reader w/ Magnetic Stripe	925	- /	N = SIO and Seos W = Custom	P = OSDP using RS-485 Half Duplex	T = Terminal Strip	E		2 = Standard-2 E = Elite	XXXX = Configuration

<sup>1125</sup> kHz Prox Interpreters:

Order N for only high frequency 13.56 MHz technology (such as iCLASS Seos, iCLASS SE, iCLASS SR, standard iCLASS, SIO for MIFARE Classic, SIO for MIFARE DESFire EV1).

Order P to add support for 125kHz technology (such as HID Prox, AWID, and EM4102 (32 bit). Indala credentials are not supported.

#### <sup>2</sup>13.56 MHz Interpreters

T = Recommended ONLY for Maximum Compatibility with legacy iCLASS installations - Supports Secure Identity Object (SIO), iCLASS Seos, standard iCLASS HID Access Control Application, MIFARE CSN, and MIFARE DESFire CSN. Compatible with the following credentials: iCLASS Seos, iCLASS SE, iCLASS SR, standard iCLASS, SIO for MIFARE Classic, SIO for MIFARE DESFire EV1 and MIFARE-CSN. Use 0 or E for security options.

N = Recommended for Maximum Security – Supports Secure Identity Object (SIO) including Seos ... providing the maximum security data model for physical access control. Compatible only with iCLASS Seos and iCLASS SE credentials. Use 2 or E for security options.

W = For custom programming options, consult your regional technical support representative. Custom programming configurations support up to two (2) of the following: MIFARE Classic, MIFARE DESFire EV1 (including DESFire 0.6 backward compatible configurations). Additionally readers support ISO14443A CSN.

#### <sup>3</sup>iCLASS Security Options (Factory or Field Configurable):

- 0 = Standard Security (Version 1) Keyset coupled with the Standard 13.56 MHz interpreter "T" provides compatibility with iCLASS Seo, iCLASS SE, islandard iCLASS, SIO for MIFARE Classic and SIO for MIFARE DESFire EV1 credentials.
- 2 = Standard Security (Version 2) Keyset coupled with the SIO and Seos (Only) 13.56 MHz interpreter "N" provides compatibility with iCLASS Seos, iCLASS SE, SIO for MIFARE Classic and SIO for MIFARE DESFire EV1 credentials.
- E = Elite reads only ŚÈ Elite™ credentials with unique matching keys. Works with iCLASS Seos, iCLASS SE, iCLASS SR, standard iCLASS, SIO for MIFARE Classic and SIO for MIFARE DESFire EV1 with matching Elite keys. Line item on PO requires ICE reference number.

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

<sup>&</sup>lt;sup>4</sup>Configuration Settings



#### iCLASS SE Decor - Flush Mount Reader

The iCLASS SE Decor reader is designed for installations that need to mount within wiring boxes. The iCLASS SE Decor reader is a flush mount reader that fits into European electrical boxes.

		Part Number								
Description		Base Part No.	125 kHz Prox Interpreters	13.56 MHz Interpreters <sup>1</sup>	Controller Communication	Controller Hardware Connection	Product Version	Color	Security <sup>2</sup>	Configuration Settings <sup>3</sup>
iCLASS SE Décor Reader  Contactless Smart Card Reader: Finished Reader, Flush mount European Style mounting		95A		N = SIO and Seos T = SIO and Seos with Legacy W = Custom Programming SIO, Seos and Legacy (HF Migration)	N = Wiegand C = Clock-and-Data P = OSDP using RS485 Half Duplex	T = Terminal Strip	E	W= White		0000 = Standard XXXX = Specific

<sup>&</sup>lt;sup>1</sup> 13.56 MHz Interpreters

T = Recommended ONLY for **Maximum Compatibility** with legacy iCLASS installations - SIO, Seos, standard iCLASS HID Access Control Application, MIFARE CSN, and MIFARE DESFire CSN. Compatible with the following credentials: iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic, SE for MIFARE DESFire EV1 and MIFARE-CSN. Use 0 or E for security options.

N = Recommended for Maximum Security – Supports SIO and Seos to provide the maximum security data model for physical access control. Compatible only with iCLASS SE and Seos branded credentials. Use 2 or E for security options,

W = For custom programming options, consult your regional technical support representative. Custom programming configurations support up to two (2) of the following: MIFARE Classic, MIFARE DESFire EV1 (including DESFire 0.6 backward compatible configurations). Additionally readers support ISO14443A CSN. W option for select regions only, please check your local pricing options to determine if the option is available.

<sup>&</sup>lt;sup>2</sup> iCLASS Security Options (Factory or Field Configurable):

<sup>0 =</sup> Standard Security (Version 1) Keyset - coupled with the Standard 13.56 MHz interpreter "T" provides compatibility with iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic and SE for MIFARE DESFire EV1 credentials.

<sup>2 =</sup> Standard Security (Version 2) Keyset - coupled with the SIO (Only) 13.56 MHz interpreter "N" provides compatibility with iCLASS SE, MIFARE Classic SE and MIFARE DESFire EV1 SE credentials.

E = Elite reads only SE Elite™ credentials with unique matching keys. Works with iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic and SE for MIFARE DESFire EV1 with matching Elite keys. Line item on PO requires ICE reference number.

<sup>&</sup>lt;sup>3</sup> Configuration Settings

All standard readers ship with the following features - 13.56MHz interpreter "T" enabled, Wiegand "N" enabled, and Standard-1 "0" security keys enabled. **ANY other option selected requires a specific configuration EXTENSION.** To order non-standard configuration options, use the following link and select the iCLASS SE Configuration Worksheet under Related Documents. <a href="http://www.hidglobal.com/products/readers/iclass-se">http://www.hidglobal.com/products/readers/iclass-se</a>. Your HID Global support personnel or sales representative can help you determine your final configuration.



# **CLASS SE U90 – UHF Long Range Reader**

The iCLASS SE U90 TM Long Range reader is designed for parking gate installations which require long range authentication and high traffic throughput.

		Part Number							
Description		Product Class	Product Sub Class	Base Reader	Antenna Code	Color	Security <sup>2</sup>	Configuration Settings <sup>3</sup>	
iCLASS SE UHF Long Range Reader Contactless Smart Card Reader: Finished Reader, Surface or Pole Mount		RDR	SE	U90	8 9 Refer to table below for proper antenna code by country.		0 = Standard-1 E = Elite	0000 = Standard code XXXX = Specific	

Example: RDRSEU908KE0000

All standard readers ship with the following features - UHF interpreter enabled, Wiegand "N" enabled, and Standard-1 "0" security keys enabled. **ANY other option selected requires a specific configuration EXTENSION**. To order non-standard configuration options, use the following link and select the iCLASS SE Configuration Worksheet under Related Documents. <a href="http://www.hidglobal.com/products/readers/iclass-se">http://www.hidglobal.com/products/readers/iclass-se</a>. Your HID Global support personnel or sales representative can help you determine your final configuration.

Country	Operating Frequency	Antenna Code
Austria	865 – 868MHz	8
Australia	915 – 928MHz	9
Belgium	865 – 868MHz	8
Brazil	902 – 928MHz	9
Bulgaria	865 – 868MHz	8
Canada	902 – 928MHz	9
China	921 – 924MHz	9
Croatia	865 – 868MHz	8
Cyprus	865 – 868MHz	8
Czech Republic	865 – 868MHz	8
Denmark	865 – 868MHz	8
Estonia	865 – 868MHz	8
Finland	865 – 868MHz	8

Country	Operating Frequency	Antenna Code
France	865 – 868MHz	8
Germany	865 – 868MHz	8
Greece	865 – 868MHz	8
Hungary	865 – 868MHz	8
India	865 – 867MHz	8
Ireland	865 – 868MHz	8
Italy	865 – 868MHz	8
Latvia	865 – 868MHz	8
Lithuania	865 – 868MHz	8
Luxembourg	865 – 868MHz	8
Malta	865 – 868MHz	8
Mexico	902 – 928MHz	9
Netherlands	865 – 868MHz	8

Country	Operating Frequency	Antenna Code
New Zealand	921.5 – 928MHz	9
Poland	865 – 868MHz	8
Portugal	865 – 868MHz	8
Romania	865 – 868MHz	8
Slovakia	865 – 868MHz	8
Slovenia	865 – 868MHz	8
Spain	865 – 868MHz	8
Sweden	865 – 868MHz	8
United Arab Emirates	865 – 868MHz	8
United Kingdom	865 – 868MHz	8
United States	902 – 928MHz	9

Page 51 of 56

<sup>&</sup>lt;sup>2</sup> iCLASS Security Options (Factory or Field Configurable):

<sup>0 =</sup> Standard Security (Version 1) Keyset

E = Elite reads only SE Elite™ credentials with unique matching keys. Line item on PO requires ICE reference number.

<sup>&</sup>lt;sup>3</sup> Configuration Settings



# **Programming Cards**

Use these cards for customer reader configuration. Readers may be reconfigured to a target configuration by applying the correct target configuration. Use the following link and select the iCLASS SE Configuration Worksheet under *Related Documents* <a href="http://www.hidglobal.com/products/readers/iclass-se">http://www.hidglobal.com/products/readers/iclass-se</a> to determine the exact configuration required. Apply changes to the reader security using programming cards. Contact HID Technical Support (<a href="https://www.hidglobal.com">support.hidglobal.com</a>) to ensure selecting the proper settings.

#### **Reader Configuration**

	Part Number				
Description	Base Part No.	Elite (E) or Standard Security (0 or 2)	Configuration Settings <sup>1</sup>		
Reader Configuration Cards			-XXXX = Specific configuration		
Reconfigure reader to factory standard settings	SEC9X-CRD-	E = Elite Key <sup>2</sup> 0 = Standard-1 key or standard-2 key <sup>2</sup>	40000 = Factory configuration (Rx models) -0001 = Factory configuration (RPx models) -0002 = Factory configuration (RKx models) -0003 = Factory configuration (RPKx models)		
Elite Upgrade Cards <sup>3</sup> Setup iCLASS SE or multiCLASS SE readers for Elite	SEC9X-CRD-	E = Elite Key⁴	-P000 = Elite reader admin keys		
credential keys or reader admin keys	SEC9X-CRD-	E = Elite Key <sup>2</sup>	-P001 = Elite credential keys		
Elite Downgrade Cards <sup>3</sup>		E = Elite Key²	-P002 = Standard reader admin keys		
Setup iCLASS SE or multiCLASS SE readers for standard credential keys or reader admin keys	SEC9X-CRD-	0 = Standard-1 key or standard-2 key	-P003 = Standard-1 credential keys -P004 = Standard-2 credential keys		

Configuration Settings

All standard readers ship with the following features - 13.56MHz interpreter "T" enabled, Wiegand "N" enabled, and Standard-1 "0" security keys enabled. **ANY other option selected requires a specific configuration EXTENSION.** To order non-standard configuration options, use the following link and select the iCLASS SE Configuration Worksheet under Related Documents. <a href="http://www.hidglobal.com/products/readers/iclass-se">http://www.hidglobal.com/products/readers/iclass-se</a>. Your HID Global Support or Sales representative can help you determine your final configuration.

Standard configuration includes: LED normally Red + Reader beeps / flashes LED green on card read + Intelligent Power Management = Off + Keypad Output is 4-bit (if keypad reader)

**Note:** Reader configuration cards change settings in an additive fashion. Configuration card settings only overwrite old settings for the options selected. Reader settings that have not been selected for the configuration retain their original values. To reset reader settings to factory defaults, use a factory default configuration card first, then apply the new configuration with the provided reader configuration card.

Specify Elite "E" or Standard-1/Standard-2 "0" based upon keys **ALREADY LOADED** in the reader that needs to be configured.

Reader admin keys and reader credential keys must both be changed to upgrade or downgrade to or from Elite. A separate card is required for reader admin keys and reader credential keys. To complete an Elite upgrade or downgrade a Reader Configuration Card with specific configuration extension may also be required to modify configuration options other than Elite keys, for example modification of 125 kHz or 13.56 MHz interpreters.

Specify Elite "E" based upon Elite keys TO BE LOADED in the reader that needs to be configured.

ASSA ABLOY

<sup>&</sup>lt;sup>2</sup> Keys

<sup>&</sup>lt;sup>3</sup> Elite Upgrade and Downgrade Cards

Keys



# **Configuration Cards - Quick Reference Part Numbers**

<b>Config Card Number</b>	<b>Description</b>
SEC9X-CRD-0-0007	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, IPM OFF
SEC9X-CRD-E-0007	CFG CARD, SE, ELITE, LF STD, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, IPM OFF
SEC9X-CRD-0-000B	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS/CAK/PKI, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-E-000B	CFG CARD, SE, ELITE, LF STD, HF STD/SIO/SEOS/CAK/PKI, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-0-0121	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-E-0121	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-0-0220	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-E-0220	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-0-023M	CFG CARD, SE, STD, LF CST, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-E-023M	CFG CARD, SE, ELITE, LF CST, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-0-023U	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-E-023U	CFG CARD, SE, ELITE, LF STD, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-0-024K	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-0-0261	CFG CARD, SE, STD, LF CST, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-E-0261	CFG CARD, SE, ELITE, LF CST, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-0-026M	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-E-026M	CFG CARD, SE, ELITE, LF STD, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-0-032V	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-E-032V	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-0-032Y	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-E-032Y	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-0-033A	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-E-033A	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-0-033B	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-E-033B	CFG CARD, SE, ELITE, LF STD, HF STD/SIO/SEOS/FIPS/CAK, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, IPM OFF
SEC9X-CRD-0-034C	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH OFF, BZR OFF, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH OFF, BZR OFF, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-0-034D SEC9X-CRD-E-034D	CFG CARD, SE, STD, LF CST, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH GRN, BZR OFF, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF CFG CARD, SE, ELITE, LF CST, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH GRN, BZR OFF, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-0-034E	CFG CARD, SE, SELTE, LF CST, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, RFF, BFFRD 1 TO 5 KEYS, PAR, USER ENTRD FC, 26-BIT MSG, IPM OFF
SEC9X-CRD-E-034E	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 26-BIT (W/DEFAULT FC), KPF, BFFRD 1 TO 5 KEYS, PAR, USER ENTRD FC, 26-BIT MSG, IPM OFF
SEC9X-CRD-0-034F	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR ON, OPT TAMP, OPEN COLL, CSN 34-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-E-034F	CFG CARD, SE, STD, LF STD, HF STD/SID/SEOS, 465FDX, LED OFF, FLSH OFF, BZR ON, OPT TAMP, OPEN COLL, CSN 34-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-0-034G	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS, 485FDX, LED GFT, FEST GFT, BER GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-E-034G	CFG CARD, SE, STD, LF STD, HF STD/SID/SEOS, 465FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-0-034H	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR OFF, OPT TAMP, OPEN COLL, CSN 56-BIT MSB, 56-BIT BCD, IPM OFF
SEC9X-CRD-E-034H	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR OFF, OPT TAMP, OPEN COLL, CSN 56-BIT MSB, 56-BIT BCD, IPM OFF
SEC9X-CRD-0-034J	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR ON, OPT TAMP, OPEN COLL, CSN 26-BIT (W/DEFAULT FC), KPF, BFFRD 1 KEY, PAR, 6-BIT MSG, IPM OFF
	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR ON, OPT TAMP, OPEN COLL, CSN 26-BIT (W/DEFAULT FC), KPF, BFFRD 1 KEY, PAR, 6-BIT MSG, IPM OFF
SEC9X-CRD-0-034K	CFG CARD, SE, STD, LF CST, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH OFF, BZR ON, OPT TAMP, OPEN COLL, CSN 26-BIT (W/DEFAULT FC), KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-E-034K	CFG CARD, SE, ELITE, LF CST, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH OFF, BZR ON, OPT TAMP, OPEN COLL, CSN 26-BIT (W/DEFAULT FC), KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-0-034L	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-E-034L	CFG CARD, SE, ELITE, LF STD, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF

November 2015 Page 53 of 56



### **Firmware Update Cards**

For updating reader firmware using RF cards.

Description	Part Number					
Programming Cards – Firmware	Base Part Number	Security	Version	Firmware Bundle <sup>1</sup>		
Firmware Update Cards Update reader functionality to the latest revision over the RF interface.	SEF9X-UPG	I2 = Standard-2	D = Rev D version E = Rev E version	xxxx		

<sup>&</sup>lt;sup>1</sup> Obtain the firmware bundle number after consultation with your HID support representative (<u>support.hidglobal.com</u>).



### **Accessories**

The following provides accessories that can be ordered separately for your iCLASS SE and multiCLASS SE readers.

Part Number	Description
Mounting Plates, Space	ers, Screws and Accessory Kits
MDP-00354	R15 / RP15 (or equivalent sized model) Mullion Reader Mounting Plate, Any Color
6403-109-01	R40 / RP40 (or equivalent sized model) Wall Switch Reader Mounting Plate, Any Color
6094-101-01	RK40 / RPK40 (or equivalent sized model) Wall Switch Keypad Reader Mounting Plate, Any Color
6132AKB	R10 / RP10 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black
6132AKC	R15 / RP15 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black
6132AKT	R40 / RP40 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black
6132AKU	RK40 / RPK40 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black
6132AKE	R40 / RP40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black
6132AK	RK40 / RPK40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black
6132AKR	RM40 / RMK40 (or equivalent sized model) Reader Spacer, Angled, Black
6132AKP	RM40 / RMK40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black
6715-305-01	R95A Reader, Cover Assembly, Décor, Euro, White/WHT
6715-305-04	R95A Reader, Cover Assembly, Décor, Euro, Black/BLK
MDP-00038	R95A Reader, Cover Assembly, Décor, Euro, Grey/GRY
400-2D71-06	High Security Screw, Spanner
6706-303-03	Pigtail Accessory Kit (includes terminal blocks, screws, and installation guide)
6706-303-04	Terminal Reader Accessory Kit (includes terminal blocks, screws, and installation guide)
56-0009-01	Gasket - Keypad Readers only
MDP-01033	multiCLASS SE Mag Stripe RM40 mounting plate replacement kit
MDP-01034	multiCLASS SE Mag Stripe RMK40 mounting plate replacement kit
MDP-01035	multiCLASS SE Mag Stripe RM40/RMK40 magnetic head replacement kit
6715-305-01	R95 Reader, Cover Assembly, Decor, Euro, White/WHT
6715-305-04	R95 Reader, Cover Assembly, Decor, Euro, Black/BLK
MDP-00038	R95 Reader, Cover Assembly, Decor, Euro, Grey/GRY

November 2015



# **IP65 Upgrade Kit**

For upgrading iCLASS SE readers to IP65 ingress protection in the field IP65 Kit Description (10) pieces per kit	Part Number
IP65 Gasket Kit, (10) pcs per kit. For use with model R10	IP65GSKT-R10
IP65 Gasket Kit, (10) pcs per kit. For use with model R15	IP65GSKT-R15
IP65 Gasket Kit, (10) pcs per kit. For use with model R40	IP65GSKT-R40
IP65 Gasket Kit, (10) pcs per kit. For use with model RK40	IP65GSKT-RK40

# **UHF Credential Card Holder parts**

For proper placement and attachment of UHF credentials to inside of car windshield	Part Number
Windshield Mount, suction cup, adhesive for ID 1 style credential, Blue (Qty 10)	WSHLDMT-BLU
Windshield Mount, suction cup, adhesive for ID 1 style credential, Clear (Qty 10)	WSHLDMT-CLR
Windshield Mount, suction cup, adhesive for ID 1 style credential, White (Qty 10)	WSHLDMT-WHT
Windshield Mount, suction cup, adhesive for ID 1 style credential, Blue (Qty 250)	WSHLDMT-BLU-BULK
Windshield Mount, suction cup, adhesive for ID 1 style credential, Clear (Qty 250)	WSHLDMT-CLR-BULK
Windshield Mount, suction cup, adhesive for ID 1 style credential, White (Qty 250)	WSHLDMT-WHT-BULK
Suction Cups for WSHLDMT - Kit contains (200) cups	WSHLDMT-CUPS
Double sided tape for WSHLDMT - Kit contains (200) pieces	WSHLDMT-TAPE