

iCLASS SE How to Order Guide

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To check order status go to:

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Document History

Date	Author	Description	Version
April 5, 2013	PT, TP	Added new tables for rev E hardware with new notes for proper use of 13.56 and keys. Added new table for configuration cards and notes.	C.2
March 1, 2013	PT	Added iCLASS SE Decor Flush Mount reader, Default Numbers, Configuration Card Examples, OSDP Upgrade Kit. Modified Programming Cards.	C.1
September 25, 2012	SA	Added iCLASS Seos (500)	C.0
August 21, 2012	SA	Added reference to 325 (Keyfob) and 330 (Tag) . same for iCLASS SR (205 Key fob, 206 Tag)	B.2
June 29, 2012	SA	Add ELITE options for part number 340/345 (MIFARE), 350/355 (MIFARE + Prox), 370/375 (DESFire EV1) and 380/385 (DESFire EV1 + Prox) Add 202/212 with SR option	B.1



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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 $^{\text{IM}}$ (SIO $^{\text{ID}}$).

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[®]. 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 Trusted Identity Platform™ (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 SIO-Enabled (SE) and SIO-Ready (SR) both belong to iCLASS SE family
- SIO-Enabled Technology for MIFARE[™]
- SIO-Enabled Technology for MIFARE DESFire[™] EV1

Readers

- iCLASS SE
- multiCLASS SE[®]

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 micro processors. 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, 16. 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

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

Credential Card Markings

Model Number	Description	External Card Designation
3000	iCLASS SE 2k	©HID iCLASS JH SE
3001 / 3002	iCLASS SE 16k	©HID iCLASS JH SE
3003 / 3004	iCLASS SE 32k	©HID iCLASS JH SE
3050	iCLASS SE 2k Composite	©HID iCLASS JH SE XT
3051 / 3052	iCLASS SE 16k 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
3101 / 3102	iCLASS SE 16k + 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
3151 / 3152	iCLASS SE 16k + 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



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. Choose Secure Identity Object Interpreter for compatibility with HID's Secure Identity Object (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
 - 125 kHz Prox Interpreter. for 125 kHz credentials including simultaneous support of HID Prox, Indala (ASP10022 26-bit), 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, choose 13.56 MHz Interpreter = "Standard".
 - CSN Interpreter. For CSNs of ISO14443A/B and ISO15693 compliant credentials, choose 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, choose 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 choose Wall Switch.
- Euro Square. For standard EU / APAC 60mm mount, select Euro Square.
- Wall Switch Keypad. For standard wall switch mount, US / EU / APAC Keypad mount choose 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. Choose Wiegand for industry standard compatibility.
- Clock-and-Data. Choose Clock-and-Data for industry standard compatibility.



README - Important Guidelines

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

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 SE Credentials 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 SIO-Ready (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 SE's 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	iCLASS Seos					
	Interpreter	iCLASS SE (+ 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	iCLASS Seos					
	Interpreter	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 www.hidglobal.com/main/services/credential-programs/class-elite.
- 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).



iCLASS Seos Credentials

500 - iCLASS Seos Card Ordering Guide

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

Ensure each required option ha	as been check	ed with the approp	riate choice to fo	ılfill a cor	npleted order	form.	
Base Model	☐ 500 C	omposite 40% P	olyester / PVC	*			
iCLASS Memory Size and All	ocation (Ched	ck One)		—		3.370" (8.57 cm)	→
Secure Identity Object Progra P – Programmed with Security		(SIO)		T		(6.57 (111)	
Front Packaging (Check One G - Plain White with Gloss Fin C - Custom Artwork with Gloss Specify Custom Artwork N	ish s Finish –		2.125" (5.4 cm	1 1		Front Packaging	
Back Packaging (Check One) G - Plain White with Gloss Fin C - Custom Artwork with Gloss 1 - Plain White with Gloss Fini 3 - Custom Artwork with Gloss Specify Custom Artwork N	ish ² s Finish – Speci sh with Magneti s Finish with Ma	c Stripe ²	umber¹	<u> </u>			
Card Numbering ³ (Check One			.033" =	<u>/</u> —		Shared Card Edge ====	
M - Sequential Matching Intern N - No External Card Numberi S - Sequential Internal/Sequel R - Random Internal/Non-Mate A - Sequential Matching Intern B - Sequential Internal/Sequel (Laser Engraved) ⁴ C - Random Internal/Non-Mate (Laser Engraved) ⁴	ing ntial Non-Matchi ching Sequentia nal/External (Las ntial Non-Matchi ching Sequentia	ng External (Inkjetted) I External (Inkjetted) ser Engraved) ⁴ ng External I External	(0.084 cm) d)			Back Packaging	
Slot Punch⁵ (Check One) ☑ N - No Slot Punch	12345 = 0	SS Programming Card ID Number YY-YY = Sales O	rder Number				
Option - Custom Artwork¹ Forms for new artwork)		lumber – Refer to the		© HI	ID ICLASS Seos JH	5*12345 YYYYYYYY-YY	хт
Enter your final card options from		above. Example: 50	005PGGNN	NI I		(Ontions #)	\neg
Final Part Number	500 P			N -	<u> </u>	(Options #)	
iCLASS Card Programming	g Information	า					
Bit Numbers Facility Code SE Elite ICE Number (if applicable)	<u>.</u>	26 bit) F 6	ormat Number _		(example: H	.10301)	
(Custom Formats) Site Code			. OEM Code				
Internal Card # Start						<u>.</u>	
PIN (2-12 digits) :	: Start #		Random: I	ength	<u>.</u>	<u></u>	
 For new artwork files, contact Custome Cards ordered with plain white front an a slot punch target printed on the back The external card number is placed in For Laser Engraved external numbers Cards are provided with an optional slot The ability to add a horizontal slot punch 	d back packaging, tof the card. the bottom right-ha to consult factory foot of punch at no add	or custom artwork, will and corner on the back or lead times and cost. itional charge. Some vic	still have a small "HI of the card. leo imaging printers	cannot acco	ommodate pre-slot	t punched cards.	

ASSA ABLOY Page 8 of 38

the Slot Punch.



iCLASS SE Credentials

300/305 - iCLASS SE 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. 305 Composite 40% Polyester / PVC* 300 Standard PVC 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 10k/2+10k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 1 - 16k Bits (2k Bytes) with 2 Application Areas 2 - 16k Bits (2k Bytes) with 16 Application Areas Secure Identity Object Programming P – Programmed with Security Identity Object (SIO) Front Packaging (Check One) 2.125" Front Packaging (5.4 cm) 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 C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork 0.033" (0.084 cm) Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted) A - Sequential Matching Internal/External (Laser Engraved) A - Sequential Matching Internal/External (Laser Engraved)4 **Back Packaging** ☐ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)4 Note: 305 credential image may vary. C - Random Internal/Non-Matching Sequential External (Laser Engraved)4 Slot Punch⁵ (Check One) © IIII iCLASS SE DH Y 12345 YYYYYYYYYYY ■ N - No Slot Punch (Printed location of vertical slot punch will remain) Y = iCLASS Programming V - Vertical Slot Punch B - No Slot Punch - Horizontal Punch compatible 12345 = Card ID Number YYYYYYYYY = Sales Order Number (Printed location of Vertical and Horizontal slot punch will remain). 6 H - Horizontal Slot Punch 6 Option - Custom Artwork¹ (Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork) Enter your final card options from check boxes above. Example: 3000PGGNN Final Part Number (Options #) iCLASS Card Programming Information Format Number (example: H10301) **Bit Numbers** . (example: 26 bit) **Facility Code** SE Elite ICE Number (if applicable) - ____ (Custom Formats) Site Code ______ City Code _____ OEM Code ____

Random: Length

___ Stop ______ External Card # Start _____ Stop ____

Internal Card # Start ___

Special Instructions:

PIN (2-12 digits) : Sequential: Start #

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" " HID" and reference number printed in the lower 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.

⁴ For Laser Engraved external numbers, consult factory for lead times and cost.

For Laser Engraved external numbers, consult factory for lead unless and cost.

Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

⁶ 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 the Slot Punch

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



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. 310 Standard PVC 315 Composite 40% Polyester / PVC* Base Model iCLASS Memory Size and Allocation (Check One) 0 - 2k Bits (256 Bytes) with 2 Application Areas

1 - 16k Bits (2k 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/1 1 - 16k Bits (2k Bytes) with 2 Application Areas 2 - 16k Bits (2k Bytes) with 16 Application Areas Secure Identity Object Programming (Check One) P – Programmed with Security Identity Object (SIO), Prox non programmed R - Both interfaces programmed: iCLASS 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) 2.125" G - Plain White with Gloss Finish² Front Packaging (5.4 cm) 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 13.56 MHz iCLASS Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) ■ N - No External Card Numbering 3.370" S - Sequential Internal/Sequential Non-Matching External (Inkjetted)
R - Random Internal/Non-Matching Sequential External (Inkjetted) (8.57 cm) A - Sequential Matching Internal/External (Laser Engraved)⁴ 0.033" ☐ B - Sequential Internal/Sequential Non-Matching External (0.084 cm) (Laser Engraved)4 ☐ C - Random Internal/Non-Matching Sequential External (Laser Engraved)4 Slot Punch⁵ (Check One) Back Packaging (Printed location of Vertical and Horizontal slot punch will remain). 6 H - Horizontal Slot Punch 6 Note: credential image may vary 125 kHz Card Numbering³ (Check One) © IIID iCLASS SE PX Y 12345 YYYYYYYYYYYY N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) Y = iCLASS Programming R - Random Internal/Non-Matching Sequential External (Inkjetted) 12345 = Card ID Number YYYYYYYYY = Sales Order Number B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴ C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴ Option - Custom Artwork¹ (Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork) Enter your final card options from check boxes above. Example: 3101PGGNNN **Final Part Number** (Options #) iCLASS Card Programming Information Format Number _____ (example: H10301) Bit Numbers _____ (example: 26 bit) **Facility Code** SE Elite ICE Number (if applicable) -(Custom Formats) Site Code _____ City Code _____ OEM Code ____ Internal Card # Start ______ Stop _____ External Card # Start _____ Stop _____ PIN (2-12 digits) : Sequential: Start # Random: Length_____



125 kHz Card Programming Information						
	(example: 26 bit)					
Format Number (exam	ple: H10301)					
Facility Code						
(Custom Formats) Site Code	City Code	OEM Code				
Internal Card No. Start	_ Stop					
External Card No. Start	Stop					
Special Instructions:						
Special Instructions:		<u>.</u>				

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" " HID" and reference number printed in the lower left-hand corner and ² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small "HID logo" 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.

⁴ For Laser Engraved external numbers, consult factory for lead times and cost.

⁵ Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

⁶ 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 the Class Planch.

the Slot Punch.

^{*} 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.

325 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/1 1 - 16k Bits (2k Bytes) with 2 Application Areas
2 - 16k Bits (2k Bytes) with 16 Application Areas Programming (Check One) P - Programmed with Security identity Object (SIO) .24 in [6 mm] Front Packaging N – iCLASS Key II - Black with blue insert. Includes HID Standard Artwork **Back Packaging** N - None Key Numbering¹ M - Sequential Matching Internal/External (Inkjetted) N - No External Key Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted) ■ A - Sequential Matching Internal/External (Engraved)² ■ B - Sequential Internal/Sequential Non-Matching External (Engraved)² 1, 25 in [31,75 mm] ☐ C - Random Internal/Non-Matching Sequential External (Engraved)² Shown – Front Packaging Option N Additional Options³ N - None Enter your final card options from the above selections. Example: 3250PNNMN 325 Final Part Number iCLASS Key Programming Information _____<u>.</u> (example: 26 bit) Format Number _____ (example: H10301) **Bit Numbers Facility Code** SE Elite ICE Number (if applicable) -(Custom Formats) Site Code _____ City Code ____ OEM Code ____ Internal Card # Start ______ Stop _____ External Card # Start _____ Stop _____ ☐ Random: Length ______ PIN: Sequential: Start # Special Instructions:

¹ The external key number is placed on the back of the key.

² For Laser Engraved external numbers, consult factory for lead times and cost.

³ Key Ring sold separately (Part Number: 57-0001-02).



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.

iCLASS Memory Size and Allocation (Che 0 - 2k Bits (256 Bytes) with 2 Application Are 1 - 16k Bits (2k Bytes) with 2 Application Are 2 - 16k Bits (2k Bytes) with 16 Application Are	eas eas		es) Application areas 16k/2+16k/1 es) Application areas 16k/16+16k/1
Programming (Check One) ☑ P - Programmed iCLASS. Specify Programm	ning Information.		
Front Packaging (Check One) S - Gray with HID Standard Artwork K - Black with HID Standard Artwork C - Custom Artwork – Specify Custom Artwork Back Packaging S - Adhesive Backing Tag Numbering¹(Check One)	ork Number ²	HID iCLAS	1.285" (32.639mm)
M - Sequential Matching Intérnal/External (Ir N - No External Tag Numbering S - Sequential Internal/Sequential Non-Matc R - Random Internal/Non-Matching Sequent	hing External (Inkjetted)	Front Package	0.070"
Slot Punch ☑ N - None			(1.78 mm)
Option - Custom Artwork ¹			
Specify Artwork Numb	per – Refer to the Custom Arty	work Forms for new artwork)	
		•	
Enter your final Tag options from check b		•	
		: 3302PSSNN	(Options #)
Enter your final Tag options from check b	oxes above. Example	: 3302PSSNN	(Options #)
Enter your final Tag options from check by Final Part Number 330 class Tag Programming Information	ooxes above. Example P S	: 3302PSSNN	
Enter your final Tag options from check by Final Part Number 330 iCLASS Tag Programming Information Bit Numbers	ooxes above. Example P S	: 3302PSSNN	
Enter your final Tag options from check by Final Part Number 330 iCLASS Tag Programming Information Bit Numbers	poxes above. Example P S ple: 26 bit)	: 3302PSSNN N - Format Number	(example: H10301)
Enter your final Tag options from check by Final Part Number 330	poxes above. Example P S ple: 26 bit) City Code	: 3302PSSNN N - Format Number OEM Co	(example: H10301)
Enter your final Tag options from check by Final Part Number 330 iCLASS Tag Programming Information Bit Numbers (exame Facility Code SE Elite ICE Number (if applicable) - (Custom Formats) Site Code Start St	poxes above. Example P	: 3302PSSNN	(example: H10301) ode Stop
Enter your final Tag options from check by Final Part Number 330	poxes above. Example P	: 3302PSSNN N - Format Number OEM Corernal Card # Start dom: Length	(example: H10301) ode Stop
Enter your final Tag options from check by Final Part Number 330	poxes above. Example P S ple: 26 bit) City Code op Ext Ran or new artwork files, contact Custor quantities, and cost. 3 The iCLAS	Format Number OEM Corernal Card # Start	(example: H10301) ode Stop
Enter your final Tag options from check by Final Part Number 330 iCLASS Tag Programming Information Bit Numbers	poxes above. Example P S ple: 26 bit) City Code p Ext Ran r new artwork files, contact Custor quantities, and cost. 3 The iCLAS type readers. the tag inoperable. Due to variatt ASS Tag will work in every sitt for compatibility testing with e	Format Number OEM Conternal Card # Start Indom: Length	(example: H10301) ode Stop



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.

iCLASS Memory Size and Allocation (Check One)	Y = iCLASS Progra 12345 = Card ID N YYYYYYY-YY = S	
Front Packaging (Check One) M - Plain White Vinyl with Matte Finish G - Plain White with Gloss Finish A - iCLASS Clamshell - Adhesive Front ¹ C - Custom Artwork - Specify Custom Artwork Number ²	2.060" (5.23 cm)	
Back Packaging (Check One) S - Base with Molded HID Logo C - Custom Artwork - Specify Custom Artwork Number²	WY-YWW	
Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted)	3.310" (8.41 cm)	3.370" (8.57 cm)
Slot Punch⁵ (Check One) ✓ V - Vertical Slot Punch	(Cover) Front Packaging B	(Base) ack Packaging
Option - Custom Artwork [Specify Artwork Number - Reference Enter your final card options from check boxes above	er to the Custom Artwork Forms for new Artwo	
Final Part Number 335 0 P	V -	(Options #)
iCLASS 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	<u>.</u>
Internal Card # Start Stop	External Card # Start	Stop
PIN (2-12 digits): Sequential: Start #	Random: Le	ngth
Special Instructions:		<u>.</u>

¹ The part numbers for non-adhesive labels to be used with the iCLASS Clamshell with the adhesive front are 1324GGN31 without slot and 1324GGV31 with slot.

² For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

³ 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.



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	d with the appropriate choic	e to fulfill a co	ompleted order form.		
Base Model 390 Standard PV	/C	<u> </u>	Composite 40% F	Polyester / PVC *	
iCLASS Memory Size and Allocation (Chec □ 0 - 2k Bits (256 Bytes) with 2 Application Areas (only a □ 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 □ 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Card Programming (Check One) □ R -SIO Programmed iCLASS & 2 nd Technology. Spec □ P - Programmed iCLASS with SIO only not 2 nd Technol □ A - Configured, Non-Programmed iCLASS, SIO Prog	vailable with MIFARE CLASSIC 1		2.125" (5.4 cm)	Front Packaging	
2 nd High Frequency Technology (Check One) M - MIFARE 1K Bytes (only available with iCLASS 2 N - MIFARE 4K Bytes K - DESFire EV1 8K Bytes Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom	k bits) 12345 = Card ID Number YYYYYYYYYYYY = Sales Ord		0.033° (0.084 cm)	3.370°	
Back Packaging (Check One) G - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish – Specify Custon 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Str	n Artwork Number ¹ ipe - Specify Custom Artwork Numl	ber ¹		OPTIONAL MAGNETIC STRIPE 1/2" (HICOHIGH ENERGY - 40000E) 2003 12345 YY	(MYYYY-YY)
iCLASS Card Numbering³ (Check One) ☐ M - Sequential Matching Internal/External (Inkjetted) ☐ N - No External Card Numbering ☐ S - Sequential Internal/Sequential Non-Matching Extern ☐ R - Random Internal/Non-Matching Sequential Externa	nal (Inkjetted) I (Inkjetted)	■ B - Seq	uential Internal/Sequential	125 kHz # ICLASS I External (Laser Engraved) ⁴ Non-Matching External (Laser Er g Sequential External (Laser Eng	ngraved) ⁴
Slot Punch ⁵ (Check One) (IMPORTANT – Dual High Frequency credentials do not lanyard or badge clip). ☑ N - No Slot Punch	allow a slot punch due to the ant	enna design. H	ID recommends using a	badge holder to attach this car	d to a
2 nd High Frequency Technology Card Numi	nal (Inkjetted)	■ B - Seq	uential Internal/Sequential	External (Laser Engraved) ⁴ Non-Matching External (Laser Er g Sequential External (Laser Eng	ngraved) ⁴ raved) ⁴
Option - Custom Artwork¹ ☐(Specify Artwork Number -	- Refer to the Custom Artwork Form	ns for new artwor	k)		
Enter your final card options from the above Final Part Number	e selections. Example: 39		M N -	(Options #)	
iCLASS Programming Information		2 nd 13.56	MHz Programming	Information	
Bit Numbers Format Number Facility Code SE Elite ICE Number (if applicable) (Custom Formats) Site Code City	<u>-</u>	Facility Co	de E Number (if applicat ormats) Site Code	(exampl le) _ City Code	
OEM Code Internal Card No. Start Stop External Card No. Start Stop PIN: ☐ Sequential: Start # ☐ Rando	m: Length	External C	OEM Code _ ard No. Start ard No. Start structions:	Stop Stop	

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" and reference number printed in the lower 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 for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card. ⁴ For Laser Engraved external numbers, consult factory for lead times and cost. ⁵ Cards are provided with an optional slot punch at no additional charge. Some video imaging 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.



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

The SIO-enabled card 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. This card offers maximized compatibility with added security into installations that DO not contain standard iCLASS or MIFARE/DESFire credentials.

Ensure each required of	option has been checke	ed with the appr	opriate c	hoice to	o tultil	l a compl	leted ord	der to	rm.			
Base Model	395 Standard P	VC				396 Co	mposite	40%	6 Polye	ster / F	VC *	
iCLASS Memory Size ☐ 0 - 2k Bits (256 Bytes) w ☐ 3 - 32k Bits (4K Bytes) A ☐ 4 - 32k Bits (4K Bytes) A	ith 2 Application Areas (only pplication areas 16k/2+16k/1	available with MIF	ARE CLAS	SIC 1K)								
	ASS & 2 nd Technology. Spe with SIO only not 2 nd Techno	cify Programming In ology. Specify Progr	ramming Inf	formation		ng Informati	on.				Front Packa	aging
2 nd High Frequency (1	only available with iCLASS)									
125 kHz Technology (P - "HID Prox" Program C - "Indala/Casi Prox" P N - Initialized 125 kHz T	med 125 kHz Technology. Sp rogrammed 125 kHz Technol	pecify Programming ogy. Specify Progra	amming Info		_						Back Pack	aging
Front Packaging (Che G - Plain White with Glos C - Custom Artwork with	ss Finish	om Artwork Number ¹				nber Iles Orde	r Numbe	r				
Back Packaging (Che G - Plain White with Glos C - Custom Artwork with 1 - Plain White with Glos 3 - Custom Artwork with	ss Finish ² Gloss Finish – Specify Custo s Finish with Magnetic Stripe	2		Number ¹								
iCLASS Card Numbe M - Sequential Matching N - No External Card Nu S - Sequential Internal/No R - Random Internal/Nor	Internal/External (Inkjetted) mbering equential Non-Matching Exte				□ B		al Internal/	Seque	ntial Non-N	Matching E		er Engraved) ⁴ Engraved) ⁴
Slot Punch ⁵ (Check O (IMPORTANT – Dual High Follanyard or badge clip). ☑ N - No Slot Punch		t allow a slot punc	h due to th	e antenr	na desi	gn. HID re	commend	ls usin	g a badge	e holder to	attach this	card to a
2nd 13.56 MHz Card N. M - Sequential Matching N - No External Card Nu S - Sequential Internal/S R - Random Internal/Nor	Internal/External (Inkjetted) mbering equential Non-Matching Exte	rnal (Inkjetted)			□ B		al Internal/	Seque	ntial Non-N	Matching E		er Engraved) ⁴ Engraved) ⁴
	Internal/External (Inkjetted)				□ B		al Internal/	Seque!	ntial Non-N	Matching E		er Engraved) ⁴ Engraved) ⁴
Option - Custom Artw	(Specify Artwork Number					,	••••	_				
Enter your final car		apove select	ions. E	xamp	ie: 39		GNNN	VI		/^	И И	
Final Part Number						N		-		(Op	tions #)	
Continued												



1
(example: H10301)
<u>.</u>
City Code
<u>.</u>
Stop
Stop
Random: Length
nation
<u>.</u> (example: 26 bit)
(example: H10301)
<u>.</u>
City Code
<u>.</u>
Stop
Stop
<u>.</u>
1
. (example: 26 bit)
(example: 26 bit) (example: H10301)
(example: H10301)
(example: H10301) City Code
(example: H10301)
(example: H10301) City Code

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" "" and reference number printed in the lower 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 for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.

⁴ For Laser Engraved external numbers, consult factory for lead times and cost.

⁵ Cards are provided with an optional slot punch at no additional charge. Some video imaging 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.



iCLASS SR Credentials

200/210 - iCLASS SR Card Ordering (
Maximized compatibility with added security into installation			
Ensure each required option has been checked with the approp			
Base Model 200 Standard PVC		210 Composite	40% Polyester / PVC*
iCLASS Memory Size and Allocation (Check One) □ 0 - 2k Bits (256 Bytes) with 2 Application Areas □ 1 - 16k Bits (2k Bytes) with 2 Application Areas □ 2 - 16k Bits (2k Bytes) with 16 Application Areas			tes) Application areas 16k/2+16k/1 tes) Application areas 16k/16+16k/1
Secure Identity Object Programming H - Programmed with Security Identity Object (SIO)		1	
Standard Programming ☑ P - Programmed with standard iCLASS Access Control Application	n.	2.125" (5.4 cm)	Front Packaging
Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork N	lumber ¹		
Back Packaging (Check One) G - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish − Specify Custom Artwork N 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specif Number¹		0.033" (0.084 cm)	3.370° (8.57 cm)
Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted) 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 OPTIONAL MAGNETIC STRIPE 1/2" (HICOHIGH ENERGY - 40000E) Y 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
Slot Punch ⁵ (Check One) N - No Slot Punch (Printed location of vertical slot punch will remail V - Vertical Slot Punch B - No Slot Punch - Horizontal Punch compatible (Printed location of Vertical and Horizontal slot punch will remail H - Horizontal Slot Punch 6			Y = iCLASS Programming 12345 = Card ID Number YYYYYYYY-YY = Sales Order Number
Option - Custom Artwork ¹ (Specify Artwork Number – Refer to the	e Custom Artwork Fo	orms for new artwor	k)
Enter your final card options from check boxes above. Example: 20	001HPGGNN		
Final Part Number H P		-	(Options #)
iCLASS Card Programming Information			
Facility Code SE Elite ICE Number (if applicable)	Format Number		le: H10301)
(Custom Formats) Site Code City Code			
Internal Card # Start Stop External Car PIN (2-12 digits) : Sequential: Start # Special Instructions:		ngth	
Special Instructions: 1 For new artwork files, contact Customer Service for custom artwork number, lear 2 Cards ordered with plain white front and back packaging, or custom artwork, will 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 4 For Laser Engraved external numbers, consult factory for lead times and cost. 5 Cards are provided with an optional slot punch at no additional charge. Some vic 6 The ability to add a horizontal slot punch requires a different iCLASS antenna de	I still have a small "HID of the card. deo imaging printers ca	nnot accommodate pr	e-slot punched cards.

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* 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 *
iCLASS Memory Size and Allocation (Check One) 0 - 2k Bits (256 Bytes) with 2 Application Areas 1 - 16k Bits (2k Bytes) with 2 Application Areas 2 - 16k Bits (2k Bytes) with 16 Application Areas 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1	2.125" (5.4 cm) Front Packaging
Secure Identity Object Programming ☑ H – Programmed with Security Identity Object (SIO)	
iCLASS Programming (Check One) □ P - Programmed iCLASS only and Prox initialized. Specify Programming □ B - Programmed 125 kHz Proximity and iCLASS. Specify Programming	
Front Packaging (Check One) ☐ G - Plain White with Gloss Finish ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	Back Packaging 12345 = Card ID Number
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	OPTIONAL MAGNETIC STRIPE 1/2" (HICOHIGH BARRAY - 40000E) Om Artwork Number 1 Table 12345 12345 12345 17777777.77 The string 12345 1234
iCLASS Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted)	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
Slot Punch⁵ (Check One) N - No Slot Punch (Printed location of vertical slot punch will remain) V - Vertical Slot Punch 125 kHz Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted)	 □ 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
Option - Custom Artwork ¹ [Specify Artwork Number – Refer to the Custom Artwork Num	om Artwork Forms for new artwork)
Enter your final card options from the above selections. Final Part Number	Example: 2022HPGGNNN - (Options #)
iCLASS Programming Information	125 kHz Programming Information
Bit Numbers (example: 26 Format Number (example: H10 Facility Code	0301) Format Number (example: H10301)
SE Elite ICE Number (if applicable) City Code City Code	(Custom Formats) Site Code City Code
OEM Code	Internal Card No. Start Stop
Internal Card No. Start Stop	Stop
External Card No. Start Stop	. 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" and reference number printed in the lower 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 for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card. ⁴ For Laser Engraved external numbers, consult factory for lead times and cost. ⁵ Cards are provided with an optional slot punch at no additional charge. Some video imaging 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.

Random: Length

PIN: Sequential: Start # _



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 203	5 Base Model						
iCLASS Memory Size and Allocation 0 - 2k Bits (256 Bytes) with 2 Applica 1 - 16k Bits (2k Bytes) with 2 Applica 2 - 16k Bits (2k Bytes) with 16 Applica	tion Areas tion Areas	9)				tion areas 16k/2- tion areas 16k/10	
Secure Identity Object Programming H - Programmed with Security Identify	ty Object (SIO)						
Front Packaging N - iCLASS Key II - Black with blue in	nsert. Includes	HID Standard	Artwork		.24 in [6 mm]		
Back Packaging ☑ N - None							
Key Numbering¹ M - Sequential Matching Internal/External Notation N - No External Key Numbering S - Sequential Internal/Sequential Notation R - Random Internal/Non-Matching S A - Sequential Matching Internal/External B - Sequential Internal/Sequential Notation C - Random Internal/Non-Matching S Additional Options³ N - None	$ed)^2$	SH	nown – Front	-1. 25 in [31.75 m Packaging Opt			
Enter your final card options from t	he above sel	ections. Exa	mple: 2052	2HNNMN			
Final Part Number	205		Н	N	N		N
iCLASS Key Programming Informat	ion						
Bit Numbers . (Facility Code . SE Elite ICE Number (if applicab	example: 2	-	Form	at Number		(example	e: H10301)
(Custom Formats) Site Code	ie)	City Code	!	. OEM	Code		
Internal Card # Start							<u>.</u>
PIN: Sequential: Start #							
Special Instructions:							
¹ The external key number is placed o ² For Laser Engraved external numbe			times and c	enst			

³ Key Ring sold separately (Part Number: 57-0001-02).



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 Allocation (Check One)										
 0 - 2k Bits (256 Bytes) with 2 Application Areas 1 - 16k Bits (2k Bytes) with 2 Application Areas 2 - 16k Bits (2k Bytes) with 16 Application Areas 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/ 										
Secure Identity Object Programming H – Programmed with Security Identity Object (SIO)										
Front Packaging (Check One) S - Gray with HID Standard Artwork K - Black with HID Standard Artwork C - Custom Artwork – Specify Custom Artwork Number ²	1									
Back Packaging ☑ S - Adhesive Backing ☐ iCLASS TAG	1.285" (32.639mm)									
Tag Numbering¹(Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Tag Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted)										
AL / B. I.	0.070" (1.78 mm)									
Option - Custom Artwork ¹ [Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork)										
(Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork) Enter your final Tag options from check boxes above. Example: 2062CSSNN	ions #)									
(Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork) Enter your final Tag options from check boxes above. Example: 2062CSSNN	ions#)									
(Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final Tag options from check boxes above. Example: 2062CSSNN Final Part Number 206 H S N - (Optional Content of the Custom Artwork Forms for new artwork) (Optional Content of the Custom Artwork Forms for new artwork)	ions #)									
Cspecify Artwork Number - Refer to the Custom Artwork Forms for new artwork Enter your final Tag options from check boxes above. Example: 2062CSSNN Final Part Number 206 H S N - (Option of the content of the custom Artwork Forms for new artwork Final Part Number 206 H S N - (Option of the custom Artwork Forms for new artwork Final Part Number 206 H S N - (Option of the custom Artwork Forms for new artwork Final Part Number 206 H S N - (Option of the custom Artwork Forms for new artwork Final Part Number 206 H S N - (Option of the custom Artwork Forms for new artwork) Final Part Number 206 H S N - (Option of the custom Artwork Forms for new artwork) Final Part Number 206 H S N - (Option of the custom Artwork Forms for new artwork)	ions #)									
Cspecify Artwork Number - Refer to the Custom Artwork Forms for new artwork Enter your final Tag options from check boxes above. Example: 2062CSSNN Final Part Number 206 H S N - (Option of the content of the custom Artwork Forms for new artwork Final Part Number 206 H S N - (Option of the custom Artwork Forms for new artwork Final Part Number 206 H S N - (Option of the custom Artwork Forms for new artwork Final Part Number 206 Example: 2062CSSNN Instruction of the custom Artwork Forms for new artwork	ions #)									
	ions #)									
Capecify Artwork Number - Refer to the Custom Artwork Forms for new artwork Enter your final Tag options from check boxes above. Example: 2062CSSNN	ions #)									
Capecify Artwork Number - Refer to the Custom Artwork Forms for new artwork Enter your final Tag options from check boxes above. Example: 2062CSSNN	ions#)									
Capecify Artwork Number - Refer to the Custom Artwork Forms for new artwork Enter your final Tag options from check boxes above. Example: 2062CSSNN	ions #)									
Capecify Artwork Number - Refer to the Custom Artwork Forms for new artwork Enter your final Tag options from check boxes above. Example: 2062CSSNN	ions#)									

Magnetic Swipe card

Contact Smart Chip



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			Y = iCLASS Pro 12345 = Card II YYYYYYYY-YY	
Standard Programming P - Programmed with standard iCLASS Access Control Application.		2.060" (5.23 cm)	2.125 (5.4 cm	
Front Packaging (Check One) M - Plain White Vinyl with Matte Finish G - Plain White with Gloss Finish A - iCLASS Clamshell - Adhesive Front ¹ C - Custom Artwork - Specify Custom Artwork Number ²	3,310"		Y 12345 YYYYYYY-YY	3.370"
Back Packaging (Check One) S - Base with Molded HID Logo C - Custom Artwork - Specify Custom Artwork Number ²	(8.41 cm)			(8.57 cm)
Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External	nal (Inkjetted)	(Cover) Front Packaging	(Bas Back Pac	
Slot Punch⁵ (Check One) ☑ V - Vertical Slot Punch				
Option - Custom Artwork ² (Specify Artwork Number			,	
Enter your final card options from check boxes a			/ 	(2.4)
Final Part Number 208 0 H	Р	V	-	(Options #)
iCLASS Card Programming Information				
Bit Numbers (example: 26 Facility Code	bit)	Format Numl	ber	_ (example: H10301)
SE Elite ICE Number (if applicable)(Custom Formats) Site Code	 City Code		DEM Code	<u>.</u>
Internal Card # Start Stop				
PIN (2-12 digits): Sequential: Start #		□ F	Random: Length	.
Special Instructions:		with the adhesive front	are 1324GGN31 withou	ut slot and 1324GGV31 with slot

¹The part numbers for non-adhesive labels to be used with the iCLASS Clamshell with the adhesive front are 1324GGN31 without slot and 1324GGV31 with slot

² For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

³ 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.



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.

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

Base Model 2	32 Standard PV	′C] 242 C	Composit	e 40% Pol	yester / PVC *	
iCLASS Memory Size and J 0 - 2k Bits (256 Bytes) with 2 App 3 - 32k Bits (4K Bytes) Applicatio 4 - 32k Bits (4K Bytes) Applicatio	olication Areas (only a on areas 16k/2+16k/1		FARE CLA	SSIC 1K)		7			
Secure Identity Object Prog H - Programmed with Security Id I - Programmed with SIO Ident J - Programmed with SIO Ident	lentity Object (SIO) for ty Object (SIO) for 2nd	technology only	ology			2.1 (5.4		Front Packaging	
2nd High Frequency Technol M – MIFARE 1K Bytes (only ava N – MIFARE 4K Bytes K – DESFire EV1 8K Bytes Front Packaging (Check Or G - Plain White with Gloss Finish C - Custom Artwork with Gloss F	ilable with iCLASS 2	12345 = Care YYYYYYY	YY = Sale		mber	0.033 (0.084 c		3.370" (8.57 cm)	
Back Packaging (Check On G - Plain White with Gloss Finish C - Custom Artwork with Gloss F 1 - Plain White with Gloss F 3 - Custom Artwork with Gloss F	e) 2 inish – Specify Custon with Magnetic Stripe ²	n Artwork Numbe	r ¹	k Number ¹				1 1	DE)
iCLASS Card Numbering³ ((/External (Inkjetted) al Non-Matching Exterr				B - Seque	ntial Interna	I/Sequential No	125 kHz # iCL4S: ernal (Laser Engraved) ⁴ in-Matching External (Laser Enguential External Ex	Engraved) ⁴
Slot Punch ⁵ (Check One) (IMPORTANT – Dual High Frequence lanyard or badge clip). N - No Slot Punch	cy credentials do not	allow a slot pun	ch due to	the antenna d	esign. HID	recommen	ds using a ba	dge holder to attach this ca	ard to a
2 nd High Frequency Technol M - Sequential Matching Internal N - No External Card Numbering S - Sequential Internal/Sequentia R - Random Internal/Non-Matchi	/External (Inkjetted) al Non-Matching Exterr	nal (Inkjetted)	ck One)		B - Seque	ntial Interna	I/Sequential No	ernal (Laser Engraved) ⁴ n-Matching External (Laser I equential External (Laser En	
Option - Custom Artwork ¹	ecify Artwork Number -	- Refer to the Cu	stom Artwoi	rk Forms for ne	ew artwork)				
Enter your final card option Final Part Number	s from the above	e selections.	Examp	le: 2324HN	IGGNNN N		-	(Options #)	
iCLASS Programming Infor	mation			2 ^{nc}	13.56 M	Hz Progr	ramming In	formation	
Bit Numbers Format Number Facility Code		(example: 1 _ (example: H	10301)	Bit Fo	Numbers rmat Num	ber		(exam	
iCLASS Elite ICE Number (if ap (Custom Formats) Site Code	plicable) City	Code	<u>.</u>	(Cı	ustom For	mats) Site	Code	City Code	
OEM Code	Cton		<u>-</u>						
Internal Card No. Start	Stop Stop							Stop	
External Card No. Start PIN:		m: Length		Эр	coiai iiiəli				<u>.</u>
1 For new artwork files, contact Custos still have a small "HID logo" " " a placed in the bottom right-hand corne factory for lead times and cost. 5 Card	mer Service for custon nd reference number p r for iCLASS 13.56 MH	n artwork number printed in the lower Iz and in the bott	r, lead-times er left-hand om center fo	corner and a s or 125 kHz Pro	lot punch tar ximity on the	rget printed e back of the	on the back of e card. 4 For L	the card. ³ The external card aser Engraved external num	d number is bers, consult

An ASSA ABLOY Group program ASSA ABLOY

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



252 / 262 - iCLASS / Other 13.56MHz / 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.

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

Base Model 252 Standard PVC			262	2 Con	nposit	e 40)% F	Polyester / PVC *
iCLASS Memory Size and Allocation (Check One) 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFA 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/	ARE CLASSIC 1K)							
Secure Identity Object Programming H - Programmed with Security Identity Object (SIO) for iCLASS only I - Programmed with SIO Identity Object (SIO) for 2 nd technology only J - Programmed with SIO Identity Object (SIO) iCLASS and 2 nd technology only	gy							Front Packaging
2 nd High Frequency (13.56 MHz) Technology (Check One)								
125 kHz Technology Card Programming (Check One) P - "HID Prox" Programmed 125 kHz Technology. Specify Programming C - "Indala/Casi Prox" Programmed 125 kHz Technology. Specify Progra N - Initialized 125 kHz Technology. Programming Information Not Require	mming Information	_						Back Packaging
Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	12345 = Card YYYYYYYY-Y				Numbe	er		
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		1						
iCLASS Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted)			B - Se	quentia	l Interna	l/Seq	uentia	External (Laser Engraved) ⁴ I Non-Matching External (Laser Engraved) ⁴ Ing Sequential External (Laser Engraved) ⁴
Slot Punch ⁵ (Check One) (IMPORTANT – Dual High Frequency credentials do not allow a slot punch lanyard or badge clip). ☑ N - No Slot Punch	h due to the anten	na de	esign. I	HID rec	ommen	ds us	ing a	badge holder to attach this card to a
2 nd 13.56 MHz Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted)			B - Se	quentia	l Interna	l/Seq	uentia	External (Laser Engraved) ⁴ I Non-Matching External (Laser Engraved) ⁴ Ig Sequential External (Laser Engraved) ⁴
125 kHz Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted)			B - Se	quentia	l Interna	l/Seq	uentia	External (Laser Engraved) ⁴ I Non-Matching External (Laser Engraved) ⁴ Ig Sequential External (Laser Engraved) ⁴
Option - Custom Artwork¹ ☐(Specify Artwork Number – Refer to the Custon				,				
Enter your final card options from the above selecti Final Part Number	ons. Examp	le: 2		HNG(N	GNNN	 -		(Options #)

Continued ...

April 2013



iCLASS Programming Information	on
Bit Numbers	
Format Number	(example: H10301)
Facility Code	<u> </u>
iCLASS Elite ICE Number (if applical	
(Custom Formats) Site Code	
OEM Code	<u>.</u>
Internal Card No. Start	Stop
External Card No. Start	Stop
PIN: Sequential: Start #	Random: Length
2 nd 13.56 MHz Programming Info	rmation
Bit Numbers	<u>.</u> (example: 26 bit)
Format Number	(example: H10301)
Facility Code	<u>.</u>
(Custom Formats) Site Code	City Code
OEM Code	<u>.</u>
Internal Card No. Start	Stop
External Card No. Start	Stop
Special Instructions:	<u> </u>
125 kHz Programming Information	on
Bit Numbers	. (example: 26 bit)
Format Number	· ,
Facility Code	· , ,
(Custom Formats) Site Code	City Code
OEM Code	<u>.</u>
Internal Card No. Start	Stop
External Card No. Start	
Special Instructions	-



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 appropri	iate choice to fulfill a c	completed order	form.
Base Models 3400 (1K) Standard PVC 3450 (1K) Composite 40% Polyester / PVC	C*	3406 (4K) Star 3456 (4K) Com	dard PVC posite 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 Art	work Number ¹	2.125" (5.4 cm)	Front Packaging
Back Packaging (Check One) G - Plain White with Gloss Finish ² S - Standard HID MIFARE Artwork ² 1 - Plain White with Gloss Finish with Magnetic Stripe ²		<u> </u>	
 2 - Standard HID MIFARE Artwork with Magnetic Stripe C - Custom Artwork with Gloss Finish – Specify Custom Art 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number^{1, 2} 	work Number ^{1, 2}	0.033" (0.084 cm)	3.370" (8.57 cm)
Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering U - UID (CSN) HEX card numbering only (Inkjetted) S - Sequential Internal/Sequential Non-Matching External (Ink R - Random Internal/Non-Matching Sequential External (Ink A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Non-Matching Sequential External (Laser Engraved)	kjetted) ⁴ Laser Engraved) ⁴	I	Back Packaging Note: 340 credential image may vary.
Slot Punch ⁵ (Check One) (IMPORTANT – MIFARE Classic credentials do not allow a sl design, use a badge holder to attach this card to a lanyard o N - No Slot Punch (Printed location of vertical slot punch will Option - Custom Artwork ¹	lot punch due to the or badge clip.)	123	45 = Card ID Number YYYYYY-YY = Sales Order Number
Specify Artwork Number –	- Refer to the Custo	m Artwork form	ns for new artwork)
Enter your final card options from check boxes above. Exame Final Part Number	nple: 3400PGGNN	-	(Options#)
13.56 MHz Card Programming Information			
Bit Numbers (example: 26 bit) Facility Code SE Elite ICE Number (if applicable)	Format Number _	(e	example: H10301)
(Custom Formats) Site Code City Code	OEM Code	e	
Internal Card No. Start			
Special Instructions:			
For Contact Smart Chip selection, refer to Logical Access How to Order guide 1 For new artwork files, contact Customer Service for custom artwork number, lead- 2 Cards ordered with plain white front and back packaging, with no HID artwork or lower 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 For Laser Engraved external numbers, consult factory for lead times and cost. 5 Cards are provided with an optional slot punch at no additional charge. Son manufacturer prior to ordering. 6 Includes a permanent Unique MIFARE 32 Bit Serial number.	-times, and cost. with custom artwork, will st f the card on Proximity Form	ill have a small "HID nat Programming onl	logo" " HID " and reference number printed in the
* The composite construction is recommended for all cards with over-laminate appli	ied.		



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 re	equire	d opt	on ha	s bee	n ched	ked with	the app	ropriate	e choic	e to fu	ulfill a	con	plete	d ord	ler fo	orm.						
Base Models					dard f posite		lyester /	PVC *						1K) S 1K) C				ster 40)% / F	VC *		
Programming P - Progra Prox non- R - Both i Prox prog Front Packagi G - Plain \	amme -prog interfa gramr	ed wit ramm aces p ned w	n Sec ed rogra ith HII One)	mmed O forn	I (MIF.		,			ect (SI	Ю),		2.12					Front F	Packa	aging		
Back Packagin G - Plain N S - Standa 1 - Plain V 2 - Standa C - Custor 3 - Custor - Speci	ng (C White ard H White ard H m Art m Art	heck with ID MI with (ID MII work v	One) Gloss ARE Gloss ARE with G	Finish Artwo Finish Artwo loss F	n ² ork ² with I ork with inish i	Magnetic n Magne - Specify vith Mag	: Stripe ² tic Stripe / Custom	n Artwo			2		0.033° 084 cr	m) 🗼	_ - - -				3.370° 57 cm)		
13.56 MHz MIF M - Seque N - No Exi U - UID (0 S - Seque R - Rando A - Seque B - Seque C - Rando Slot Punch (IMPORTANT-card to a lanya	FARE ential terna CSN) ential om In- ential om In-	Card Match Card HEX Internal Match Internal emal	Num ing Ir Num card r al/Sec Non-I ing In al/Sec Non-I	bering terna bering number quenti Match duenti Match	g ³ (Ch l/Exter lering cal Non ing Se l/Exter al Nor ing Se	eck One nal (Inkje nly (Inkje -Matchir quential nal (Lase -Matchir quential	etted) etted) g Extern External er Engra ng Exterr External ot allow	(Inkjet ved) ⁴ nal (Las (Laser a slot	ted) ser Engra r Engra	aved)4		e an	tenna	Y	ΥΥ	5 = C YYY)	Note: Note: Note: Card II	D Num / = Sa	ntial ima ential ma nber les O	ge may v ay vary. 12345 YYY	lumbe	er
125 kHz Prox (ential terna ential ted) om In	Match Card Intern	ning Ir Num al/Sec	terna bering Juenti	l/Extei J al Non	nal (Inkjo	ig Extern				3 - Se La C - Ra	eque aser ando	ntial Engr	Interr aved) ternal	al/S 1 ⁴	eque	ntial N	ternal (Ion-Ma Seque	itchin	g Exte	nal [′]	
Option - Custo				`			k Numb						Artw	ork fo	orms	s for	new a	artworl	k)			
Enter your final Final Part N			ions	from	check	boxes a	above. E	xampl	e: 350	6PGG	EMMS	-		-				(Opt	ions	#)		
				1		1	1		L		<u> </u>			<u> </u>	1			\ - P \		,		



13.56 MHz Card Programming I	nformation		
Bit Numbers	(example: 26 bit)	Format Number (example: H10301)	
Facility Code	<u>.</u>		
SE Elite ICE Number (if applical	ble)		
(Custom Formats) Site Code	City Code	OEM Code	
Internal Card No. Start	Stop	<u>.</u>	
External Card No. Start			
Special Instructions:		<u>.</u>	
	125 kHz Ca	Card Programming Information	
Bit Numbers	(example: 26 bit)		
Format Number(exam	ple: H10301)		
Facility Code			
(Custom Formats) Site Code	City Code	OEM Code	
Internal Card No. Start			
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.

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, will still have a small "HID logo" "HID" and reference number printed in the lower 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 Format Programming only.

⁴ For Laser Engraved external numbers, consult factory for lead times and cost.

^{*} The composite construction is recommended for all cards with over-laminate applied.



SIO-Enabled Technology for MIFARE DESFire EV1 **Credentials**

370/375 - MIFARE DESFire EV1 Card Ordering Form Guide

	on open globa each required													
Base Model 3700 Standard PVC 3750									750 Co	mpos	ite 40%	Polyester / PVC *		
⊠ C - Secure	re EV1 Memo 8K Bytes DE Identity Obj Programme	SFire EV	amming	√ Object	t (SIO)					2.12 (5.4			Front Packaging	
Front F	Packaging (C - Plain White	heck One	e) s Finish			tom A	Artwork N	lumber ¹						Ü
 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 (0.084 c			_3.370" (8.57 cm)		
Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted) 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 Note: 375 credential image may vary.					
design	RTANT – MIF. , use a badge - No Slot Pun	e holder t ch							due	to the a	123	445 = Card YYYYY-Y	ID Number Y = Sales Order Number	
	- Custom Ar	(S	Specify Artwork							for new A	Artwork)			
Final	Part Numb	er		С	Р					N	-	(1	Options #)	
13.56 N	/IHz Card Pro	grammin	g Informatio	n										
(Custo Interna Externa Specia	/ Code e ICE Numbe om Formats) il Card No. Si al Card No. S I Instructions	Site Code art tart s:	icable) e	Ci top top	ty Cod				М Со					
For Cor	ntact Smart Ch	ip selectio	n, refer to Lo	gical Ac	cess H	ow to	Order gu	ide. Stan	dard o	onfigura	tion doe	s not inclu	de a contact smart chip r	nodule.

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, will still have a small "HID logo" " HID" 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 on Proximity Format Programming only. Permanent Unique MIFARE 56 Bit serial # cannot

be printed on cards.

For Laser Engraved external numbers, consult factory for lead times and cost.
 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							
Programming (Check One) P – Programmed with Security Identity Object (SIO) for DESFire, Prox non-programmed R – Both interfaces programmed (DESFire with Security Identity Object (SIO) Prox programmed with HID format)	2.125" (5.4 cm) Front Packaging						
Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	3.370" (8.57 cm)						
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** (0.084 cm)						
13.56 MHz DESFire Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)	Note: 380 credential may vary.						
R - Random Internal/Non-Matching Sequential External (Inkjetted) 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	12345 = Card ID Number YYYYYYYYY = Sales Order Number						
Slot Punch (IMPORTANT – MIFARE DESFire EV1 credentials do not allow a slot punch d this card to a lanyard or badge clip.) N - No Slot Punch	ue to the antenna design, use a badge holder to attach						
125 KHz Card Numbering³ M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted) A - Sequential Matching Internal/External (Laser Engraved)4 (Laser Engraved)4 C - Random Internal/Non-Matching Sequential External (Inkjetted)							
Option - Custom Artwork ¹ [Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artwork Followship Specify Artwork Number – Refer to the Custom Artw	,						
Enter your final card options from check boxes above. Example: 3850CPGGI Final Part Number C	NNN - (Options#)						
13.56 MHz Card Programming Information							
Bit Numbers (example: 26 bit) Format Numb Facility Code SE Elite ICE Number (if applicable) (Custom Formats) Site Code City Code OEM 0	er (example: H10301)						
Internal Card No. Start Stop Stop Special Instructions:							



125 kHz Card Programming Information							
Bit Numbers	(example: 26 bit)						
Format Number(exan	ple: 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.

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, 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 on Proximity Format Programming only. Permanent Unique MIFARE 56 Bit serial # cannot be printed on cards.

⁴ For Laser Engraved external numbers, consult factory for lead times and cost.

^{*} The composite construction is recommended for all cards with over-laminate applied.



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 ¹	13.56 MHz Interpreters ²	Controller	Controller Hardware Connection	Product Version	Color	Security ³	Configuration Settings ⁴		
iCLASS SE R10 & multiCLASS SE RP10 Mini-Mullion Reader	900						K = Black	0 = Standard-1 2 = Standard-2 E = Elite	0000 = Standard XXXX = Specific		
iCLASS SE R15 & multiCLASS SE RP15 Mullion Reader	910										
iCLASS SE R30 & multiCLASS SE RP30 EU / Asia Square Reader		N = No Prox P = Standard Prox L = Custom Prox		N = Wiegand C = Clock-and-Data	N = Pigtail T = Terminal Strip	I -					
iCLASS SE R40 & multiCLASS SE RP40 Wall Switch Reader	920										
iCLASS SE RK40 & multiCLASS SE RPK40 Wall Switch Keypad Reader	921										

¹ 125 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 standard format support = HID Prox, AWID, EM4102 and Indala (ASP10022 – 26-bit).

Order L for custom Indala format support = HID Prox, AWID, EM4102 and Indala (Custom - provide reader format number with order).

² 13.56 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 SE, iCLASS SE, 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) and Seos 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.³
- ³ 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 SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic and SE 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 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, SÉ for MIFARE Classic and SE for MIFARE DESFire EV1 with matching Elite keys. Line item on PO requires ICE reference number.

⁴ 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 <u>iCLASS SE Configuration Worksheet</u>. 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) + 125 kHz HID Prox, AWID, Indala (ASP10022), EM4102 (if multiCLASS SE).



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	R10	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED		BZR ON	CSN 32-BIT MSB	IPM OFF		900NTNNEK00000
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NTNTEK00000
		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			CSN 32-BIT MSB	IPM OFF		900NNNTEK2037P
	R15	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED			CSN 32-BIT MSB	IPM OFF		910NTNNEK00000
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN		CSN 32-BIT MSB	IPM OFF		910NTNTEK00000
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED			CSN 32-BIT MSB	IPM OFF		910NNNNEK2037P
		LF OFF	l .	Wiegand	BLK	TERM	STD-2				CSN 32-BIT MSB	IPM OFF		910NNNTEK2037P
	R30	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED			CSN 32-BIT MSB	IPM OFF		930NTNNEK00000
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED			CSN 32-BIT MSB	IPM OFF		930NTNTEK00000
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930NNNNEK2037P
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED			CSN 32-BIT MSB	IPM OFF		930NNNTEK2037P
	R40	LF OFF	0 1 1	Wiegand	BLK	PIG	STD-1	LED RED			CSN 32-BIT MSB	IPM OFF		920NTNNEK00000
		LF OFF	-37 (- /,	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN		CSN 32-BIT MSB	IPM OFF		920NTNTEK00000
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED			CSN 32-BIT MSB	IPM OFF		920NNNNEK2037P
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED			CSN 32-BIT MSB	IPM OFF		920NNNTEK2037P
	RK40	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED			CSN 32-BIT MSB	IPM OFF		921NTNNEK00000
		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
		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		Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921NNNTEK2037R
multiCLASS SE	RP10	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED			CSN 32-BIT MSB	IPM OFF		900PTNNEKE0000
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PTNTEKE0000
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED			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
	RP15	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED			CSN 32-BIT MSB	IPM OFF		910PTNNEK00000
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PTNTEK00000
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED			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
	RP40	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PTNNEK00000
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PTNTEK00000
		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
	RP30	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED			CSN 32-BIT MSB	IPM OFF		930PTNNEK00000
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930PTNTEK00000
			SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED			CSN 32-BIT MSB			930PNNNEK2037Q
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED			CSN 32-BIT MSB	IPM OFF		930PNNTEK2037Q
	RPK40	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		921PTNNEK00000
		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
		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

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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									
		Base Part No.			Controller Communication	Controller Hardware Connection	Product Version	Color	Security ²	Configuration Settings ³	
iCLASS SE Décor Reader Contactless Smart Card Reader: Finished Reader, Flush mount European Style mounting		95A	N = No Prox	N = SIO and Seos T = SIO and Seos with Legacy	N=Wiegand C=Clock-and-Data	T = Terminal Strip			0 = Standard-1 2 = Standard-2 E = Elite	XXXX = Specific	

¹ 13.56 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 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) and Seos 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.²
- ² 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 SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic and SE for MIFARE DESFire
- 2 = 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 ŠË 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.
- Configuration Settings

To order non-standard configuration options, use the iCLASS SE Configuration Worksheet. Your HID Global support personnel or sales representative can help you determine your final configuration.



Programming Cards

Use these cards for customer reader configuration. Readers may be reconfigured to a target configuration by applying the correct target configuration. Review the iCLASS SE Configuration Worksheet to determine the exact configuration required. Apply changes to the reader security using programming cards. Contact HID Technical Support (support-hidglobal.com) to ensure selecting the proper settings.

Reader Configuration

	Part Number						
Description	Base Part No.	Elite (E) or Standard Security (0 or 2) ¹	Configuration Settings ²				
Reader Configuration Cards			-XXXX = Specific configuration				
Reconfigure reader to factory standard settings	SEC9X-CRD-	E = Elite Key 0 = Standard key 1 or standard key 2	40000 = Factory configuration (Rx models) -0001 = Factory configuration (RPx models) -0002 = Factory configuration (RKx models) -0003 = Factory configuration (RPKx models)				
Security downgrade card Add standard iCLASS access control application to your iCLASS SE or multiCLASS SE reader			(support.hidglobal.com)				
Security upgrade card (key rolling) Setup iCLASS SE or multiCLASS SE readers for SIO (and optionally Prox) interpreters only.	SEC9X-CRD-	Contact your HID Support Representative (s					

¹ Keys

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

An ASSA ABLOY Group program

Standard readers ship with the following features: 13.56MHz interpreter (T), Wiegand (N), and Standard-1 (0) security keys enabled. Any other option selected requires a specific configuration EXTENSION. To order non-standard configuration options, use the <u>iCLASS SE Configuration Worksheet</u>. 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) + 125 kHz HID Prox, AWID, Indala (ASP10022), EM4102 (if multiCLASS SE).

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.

²Configuration Settings



Configuration Cards – Quick Reference Part Numbers

Config card number	Description
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
SEC9X-CRD-E-024K	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, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-E-034C	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH OFF, DPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-0-034D	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
SEC9X-CRD-E-034D	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 CFG CARD, SE, STD, 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-0-034E SEC9X-CRD-E-034E	CFG CARD, SE, STD, 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-E-034E SEC9X-CRD-0-034F	CFG CARD, SE, ELITE, LF OFF, RF STD/SIO/SEOS, 485FDX, LED OFF, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 26-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-0-034F	CFG CARD, SE, STD, LF 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-0-034G	CFG CARD, SE, ELTIE, LE STD, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR ON, OFT TAMP, OPEN COLL, CSN 34-BIT LSB, RFF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS, 485FDX, 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-E-034G	CFG CARD, SE, ELITE, LF STD, HF STD/SIO/SEOS, 485FDX, 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, 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
SEC9X-CRD-E-034J	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
0L03X-0ND-L-034L	OF O ONIND, OE, ELTIE, EFOID, THE OTHER GOOD AS A THE OTHER ONE, OF THAME, O



Firmware Update Cards

For updating reader firmware using RF cards...

Description	Part Number					
Programming Cards – Firmware	Base Part No.	Security	Version	Firmware Bundle ¹		
Firmware Update Cards Update reader functionality to the latest revision over the RF interface.	SEF9X-UPG	0 = Standard-1 2 = Standard-2 E = Elite	D = Rev D version E = Rev E version	xxxx		

¹ 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...

	Description						
Mounting Plates, Spacers, Screws and Accessory Kits							
6303-104-01	R10 / RP10 (or equivalent sized model) Mini-Mullion Reader Mounting Plate, Any Color						
6309-103-01	R15 / RP15 (or equivalent sized model) Mullion Reader Mounting Plate, Any Color						
6402-103-01	R30 / RP30 (or equivalent sized model) EU/Asian 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						
6132AGB	R10 / RP10 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Gray						
6132AKC	R15 / RP15 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black						
6132AGC	R15 / RP15 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Gray						
6132AKD	R30 / RP30 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black						
6132AGD	R30 / RP30 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Gray						
6132AKE	R40 / RP40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black						
6132AGE	R40 / RP40(or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Gray						
6132AK	RK40 / RPK40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black						
6132AG	RK40 / RPK40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Gray						
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.						

OSDP Upgrade Kit

For upgrading iCLASS SE readers to OSDP in the field to version 1 protocol...

OSDP Kit Description (Version 1 protocol)	Part Number
OSDP Upgrade kit 1 (one OSDP module)	SE-OSDP-1
OSDP Upgrade kit 5 (five OSDP modules)	SE-OSDP-5
OSDP Upgrade kit 10 (ten OSDP modules)	SE-OSDP-10