

iCLASS SE How to Order Guide

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Document History

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10/28/14	GL	Updated laser engraving footnote to reflect removal of inkjet option for Austin.	D.2
9/25/14	MM	Removed R90 information.	D.1
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12/13/13	SAR	Add option K to base p/n 252/262	C.7
11/19/13	SAR	Added iCLASS Seos 8K and LEGIC options. Removed PIN programming for each credentials. Integrate slottable options for iCLASS SR/iCLASS SE card options.	C.6



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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™ (SIO®)

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

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

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

iCLASS SE Platform Overview

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

Credentials

- iCLASS Seos
- · iCLASS SE and SIO-Ready (SR) both belong to iCLASS SE family
- SIO-Enabled 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
SIO Enabled Technology for UHF	No	Yes

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

Credential Card Markings (for SIO-only cards)

Model Number	Description	External Card Designation
3000	iCLASS SE 2k	©HID iCLASS JH SE
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
5006	iCLASS Seos 8K Composite	©HID iCLASS Seos JH XT
5105	iCLASS Seos 16K + Prox Composite	©HID iCLASS Seos JAH XT
5106	iCLASS Seos 8K + Prox Composite	©HID iCLASS Seos JAH XT



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

What should I know about security keysets?

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

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

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

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

The keyset governs a variety of keys, including:

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

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



Elite Key Components - Ordering Information

- Direct customers of HID must be authorized to purchase components with Elite keys. If you are not authorized, you must have the key owner authorize you through the Authorization form.
 See 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 has been checked with the appropriate choice to fulfill a completed order form.

Base Model 500 Composite 40% Polyeste	r/PVC*		
iCLASS Memory Size and Allocation (Check One) ☐ 5 - 16K Bytes ☐ 6 - 8K Bytes	- ↑ (3.370" (8.57 cm)	→
Secure Identity Object Programming ☑ P - Programmed with Security Identity Object (SIO) Front Packaging (Check One) ☐ G - Plain White with Gloss Finish ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	2.125" (5.4 cm)	Front Packaging	
Back Packaging (Check One) ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹	.033" = = = = = = = = = = = = = = = = = =	Shared Card Edge	TOP
Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁶ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁶ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁶ A - Sequential Matching Internal/External (Laser Engraved)⁴ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴ C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴		Back Packaging	
Slot Punch⁵ (Check One) ☑ N - No Slot Punch		© IIII KZASS Seos JH 5*12345 YYYYYYYY-YY	хт
Ontion Conton Arturall		Y = iCLASS Programming 12345 = Card ID Number YYYYYYYY-YY = Sales Order Number	
Option - Custom Artwork ¹ (Specify Artwork Number – Refer to the Custom Artwork Number – Refer to the Custom Artwork Number – Refer to the Custom Artwork	twork Forms for new	v artwork)	_
Enter your final card options from check boxes above. Example: 50	05PGGNN		
Final Part Number 500 P	N -	(Options #)	
iCLASS Card Programming Information			
Facility Code SE Elite ICE Number (if applicable) (Custom Formats) Site Code City Code OEM	Code		
Internal Card # Start Stop External Card # Start	Stop	<u>.</u>	
1 For new artwork files, contact Customer Service for custom artwork number, lead-times, and 2 Cards ordered with plain white front and back packaging, or custom artwork, will still have a slot punch target printed on the back of the card.		and reference number printed in the lower left-hand corn	er and a
³ The external card number is placed in the bottom right-hand corner on the back of the card.			

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For Laser Engraved external numbers, consult factory for lead times and cost.
 Cards are not available with any slot punch option.

⁶ Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.



510 - iCLASS Seos + Prox Card Ordering Guide

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

Base Model	510 Con	posite -	40% P	olyeste	er / PVC	*					
iCLASS Memory Size and A	Allocation	(Check O	ne)					—		3.370" (8.57 cm)	→
☐ 5 - 16K Bytes		•	,				<u></u>			(0.07 (111)	
☐ 6 - 8K Bytes											
Secure Identity Object Property P - Programmed with Secure R - Both interfaces program Object (SIO), Prox program	rity Identity O med: iCLAS	S Seos with	Security I		ned		125" 4 cm)			Front Packaging	
Front Packaging (Check O G - Plain White with Gloss C - Custom Artwork with G	Finish	Specify Cus	stom Artwo	ork Numbe	er ¹						
Back Packaging (Check Or G - Plain White with Gloss C - Custom Artwork with G 1 - Plain White with Gloss F	Finish ² loss Finish - ⁻ inish with M	agnetic Stri	pe ²			.033 (0.084				Shared Card Edge	
3 - Custom Artwork with Gl Artwork Number ¹				specify Cu	stom						
13.56 MHz iCLASS Card No. M - Sequential Matching In N - No External Card Numb S - Sequential Internal/Seq R - Random Internal/Non-N	ternal/Extern pering uential Non-l //atching Seq	al (Inkjetted Matching Extended in the control of t	ł) ⁶ xternal (Inl ernal (Inkje							Back Packaging	
A - Sequential Matching IntB - Sequential Internal/Seq				ser Engra	wed\4						
C - Random Internal/Non-N								(m	CLASS SHOW R	5*12345 YYYYYYYYYYY	XT)
Slot Punch⁵ (Check One) ☑ N - No Slot Punch				-	,					ASS Seos Programming Card ID Number]
125 kHz Card Numbering³ (ternal/Extern pering uential Non-l /latching Seq ternal/Extern uential Non-	al (Inkjetted Matching Ex uential Exte al (Laser Er Matching Ex	xternal (Inlernal (Inlernal (Inkjernal) ernal (Inkjernared) ernal (La	etted) ⁶ aser Engra				Ţ	11111	YY-YY = Sales Order Number	
,	Specify Artwo						new ar	twork)			
Enter your final card option	ns from ch	eck boxes	s above.	Example	e: 5105PG	GNNN					
Final Part Number	510					N		-		(Options #)	
iCLASS Seos Card Progr	ramming I	nformati	on								
Bit Numbers		mple: 26 b		ormat Nu	mhor		lovomi	alaı U	10301)	Facility Code .	
SE Elite ICE Number (if applic		iiipie. zo b	nt) F	Officat Nu	IIIDEI		(Examp	JIE. II	10301)	racility code	
(Custom Formats) Site Code		. City Cod	de	. (OEM Code						
•	. Stop					<u>.</u> s	top				
125 kHz Card Programm	ing Inform	ation									
Bit Numbers	. (exa	mple: 26 b	it) F	ormat Nu	mber		(examı	ole: H	10301)	Facility Code	
(Custom Formats) Site Code _						-	(•		,		
Internal Card # Start						s	top		<u> </u>		
Special Instructions:											
slot punch target printed on the bac ³ The external card number is placed ⁴ For Laser Engraved external numb ⁵ Cards are not available with any slo	t and back pac ck of the card. I in the bottom pers, consult fa ot punch option	kaging, or cu right-hand co ctory for lead	stom artwor orner on the times and o	rk, will still h back of the cost.	nave a small F	IID logo 🖽				per printed in the lower left-hand corner and	a
 Please note that cards shipped out The composite construction is record 										ering.	



iCLASS SE Credentials

300/305 - iCLASS SE Card Ordering Guide

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

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

The state of the s	•
Base Model 300 Standard PVC 305	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
Secure Identity Object Programming ☑ P - Programmed with Security Identity Object (SIO)	
Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	2.125" (5.4 cm) Front Packaging
Back Packaging (Check One) ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹	(8.57 cm)
Card Numbering³ (Check One) ☐ M - Sequential Matching Internal/External (Inkjetted) ⁷	0.033° (0.084 cm)
N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) ⁷ R - Random Internal/Non-Matching Sequential External (Inkjetted) ⁷ 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 Punch ⁵ (Check One)	Back Packaging Note: 305 credential image may vary.
 N - No Slot Punch (Printed location of vertical slot punch will remain) V - Vertical Slot Punch H - Horizontal Slot Punch ⁶ B - No Slot Punch - Horizontal Punch compatible (Printed location of Vertical and Horizontal slot punch will remain)⁶ 	© IIII iCLASS SE DH Y 12345 YYYYYYYYYYY
Ontion Custom Articontal	Y = iCLASS Programming 12345 = Card ID Number YYYYYYYY-YY = Sales Order Number
Option - Custom Artwork ¹ [Specify Artwork Number – Refer to the Custom Artwork	k Forms for new artwork)
Enter your final card options from check boxes above. Example: 3000PG	
Final Part Number P	- (Options #)
iCLASS Card Programming Information	
Bit Numbers (example: 26 bit) Format Number Facility Code SE Elite ICE Number (if applicable)	
(Custom Formats) Site Code City Code OEM Code	
Internal Card # Start Stop External Card # Start Special Instructions:	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 H 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. 6 The ability to add a borizontal slot punch requires a different iCL ASS, antenna design. Users can expect the content of the state of the card.	rs cannot accommodate pre-slot punched cards.

An ASSA ABLOY Group program

ASSA ABLOY

Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.
 * The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

the Slot Punch.



310/315 - iCLASS SE + Prox Card Ordering Guide

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

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

Base Model 310 Standard PVC	☐ 315 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	
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	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	
Back Packaging (Check One) ☐ G - Plain White with Gloss Finish ² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ¹ ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe ² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ¹	0.033" (8.57 cm) (8.57 cm)
13.56 MHz iCLASS Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) ⁷ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) ⁷ R - Random Internal/Non-Matching Sequential External (Inkjetted) ⁷ 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: credential image may vary.
Slot Punch⁵ (Check One) ☐ H - Horizontal slot punch⁶ ☐ V - Vertical Slot Punch ☐ N - No Slot Punch (This card can be slotted vertically, printed location of Vertical C - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical C - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical C - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical C - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical C - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical C - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical C - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical Slottable Punch - Horizontal Slottable Punch compatible (Printed location of Vertical Slottable Punch - Horizontal Slottable Punch	
125 kHz Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)¹ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)¹ R - Random Internal/Non-Matching Sequential External (Inkjetted)¹ 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	Y = iCLASS Programming 12345 = Card ID Number YYYYYYYYYY = Sales Order Number
Option - Custom Artwork ¹ (Specify Artwork Number – Refer to the Custom A	Artwork Forms for new artwork)
Enter your final card options from check boxes above. Example: 310	,
Final Part Number P	- (Options #)
iCLASS Card Programming Information	
Bit Numbers (example: 26 bit) Format Nu Facility Code SE Elite ICE Number (if applicable) (Custom Formats) Site Code City Code OEM (Internal Card # Start Stop External Card # Start	



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

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 option H for the Slot Punch.

Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.
 * The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



325 - iCLASS SE Key Ordering Guide

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

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

iCLASS Memory Size and Allocation (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							
Programming (Check One) ☑ P - Programmed with Security identity Ob	eject (SIO)			.24 ir [6 mr			
Front Packaging N - iCLASS Key II - Black with blue insert.	Includes HID Star	ndard Artwork				4 mm]	
Back Packaging ☑ N - None						1. 55 in [39.4 mm]	
Key Numbering¹ M - Sequential Matching Internal/External (Inkjetted)⁴ N - No External Key Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁴ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁴ A - Sequential Matching Internal/External (Engraved)² B - Sequential Internal/Sequential Non-Matching External (Engraved)² C - Random Internal/Non-Matching Sequential External (Engraved)²						25 in [31.75 mm]	
Additional Options³ ☑ N - None							
Enter your final card options from the a	1			. 1.	. 1	T.,	
Final Part Number	325		P	N N		N	
iCLASS Key Programming Informati	ion						
Bit Numbers (example: 26 bit) Format Number (example: H10301) Facility Code SE Elite ICE Number (if applicable) (Custom Formats) Site Code City Code OEM Code							
Internal Card # Start Stop External Card # Start Stop Special Instructions:							
¹ The external key number is placed on the back of th ² For Laser Engraved external numbers, consult facto ³ Key Ring sold separately (Part Number: 57-0001-02 ⁴ Please note that cards shipped out of Austin, Texas	ry for lead times and).		ion is not available	for these cards.	_		



330 - iCLASS SE Tag Ordering Guide

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

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

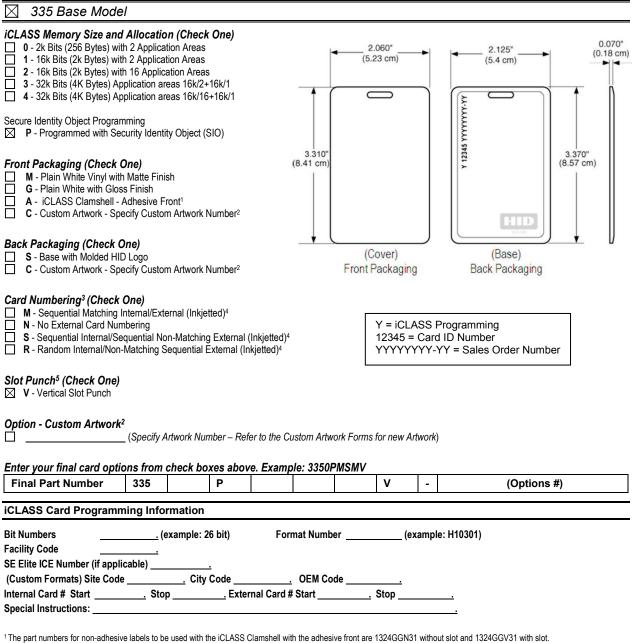
	I									
iCLASS Memory Size and □ 0 - 2k Bits (256 Bytes) witl □ 1 - 16k Bits (2k Bytes) witl □ 2 - 16k Bits (2k Bytes) witl □ 3 - 32k Bits (4K Bytes) Ap □ 4 - 32k Bits (4K Bytes) Ap	n 2 Applica n 2 Applica n 16 Applic plication a	tion Areas tion Areas ation Areas reas 16k/2+	s -16k/1							
Programming (Check One ☑ P - Programmed iCLASS.		rogramming	g Informatio	n.						
Front Packaging (Check C S - Gray with HID Standar K - Black with HID Standa C - Custom Artwork - Spe	d Artwork rd Artwork		Number ²			,			D°	1,005
Back Packaging ☑ S - Adhesive Backing						(∭ i0	CLA	ISS [™])	1.285" (32.639mm)
Tag Numbering¹(Check O.	nternal/Ext pering quential No	on-Matching	g External (0.070"
Slot Punch ☑ N - None							Front F	acka	aging	(1.78 mm)
Option - Custom Artwork ¹		Artwork Nui	mber – Refe	er to the C	ustom Artv	ork Forms	s for new ar	twork)		
Enter your final Tag option	ns from (check box	res above	. Examp	le: 3302F	SSNN				
Final Part Number	330		Р		S		N	-		(Options #)
iCLASS Tag Programmi	na Infor	mation								
		example: 2	06 hit)	Eor	mat Numb	or	(0)	vamni	e: H10301)	
Facility Code	:\'	example. 2	io bity	FOI	illat Nullik		(6)	kanipi	e. 1110301)	
SE Elite ICE Number (if applie										
(Custom Formats) Site Code	C4-	City	Code		OEM Co	de	<u>.</u>			
Internal Card # Start Special Instructions:							Stop		.	
¹ The external tag number is placed ² For new artwork files, contact Cus order quantities, and cost. ³ The iCLASS Tag is not for use on ⁴ Please note that cards shipped ou not available for these cards.	on the back tomer Servi	of the tag. ce for custom se full inserti	artwork nun	nber, lead-tir feed type re	mes, minimu	ım			iCL ₄ CC	ICLESS: Magnetic Stripe
Do not adhere to metal su inoperable. Due to variation							C	ontact S	Smart Chip	Magnetic Swipe card
claim that the iCLASS Tatesting with existing crede	g will wo	rk in ever	y situatio	n. Functi	onal and	non-fund				



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.



- 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.
- ⁴ Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.



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

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

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

Base Model	39	0 Sta	ndard	PVC		39	1 Con	nposite	e 40%	6 Po	olyes	ter / PVC *		
iCLASS Memory Size and □ 0 - 2k Bits (256 Bytes) with □ 3 - 32k Bits (4K Bytes) App □ 4 - 32k Bits (4K Bytes) App	h 2 Applica plication a	ntion Are reas 16k	as (only : /2+16k/1	available	with MI	FARE CI	ASSIC '	IK)		2.125		Front Pack	kaging	
Card Programming (Checi ☐ R - SIO Programmed iCLA ☐ P - Programmed iCLASS v ☐ A - Configured, Non-Programping Specify Programming	ASS & 2 ^{nd 3} with SIO or rammed iC	nly not 2 LASS, S	nd Techno	ology. Sp	ecify Pro	grammin		ation.	(5.4 cm	1)			
2nd High Frequency Techn M - MIFARE 1K Bytes (on N - MIFARE 4K Bytes K - DESFire EV1 8K Bytes	ıly availab	check C le with i	ne) CLASS 2	k bits)						033" 34 cm)	 		.370" 57 cm)	
Front Packaging (Check C G - Plain White with Gloss C - Custom Artwork with G	Finish	h – Spec	cify Custo	m Artwoi	rk Numbe	er ¹								0
Back Packaging (Check O G - Plain White with Gloss C - Custom Artwork with G 1 - Plain White with Gloss 3 - Custom Artwork with G	s Finish ² Bloss Finish Finish with	n Magne	tic Stripe ²	2			ork Num	ber¹				OPTIONAL M 1/Z" (HICO/HIGH 1234 1234 125 k	t	YYYYYY-YY
iCLASS Card Numbering³	nternal/Ext obering quential No Matching S oternal/Ext quential No	ernal (In on-Match Sequenti ernal (La on-Match	ning Exter al Externa aser Engra ning Exter	al (Inkjett aved) ⁴ rnal (Las	ed) ⁶ er Engra	,						5 = Card ID Num YYYYY-YY = Sal		umber
Slot Punch⁵ (Check One) IMPORTANT – Dual High badge holder to attach thi N - No Slot Punch						a slot pu	ınch du	e to the	e anteni	na d	esign.	. HID recomme	ends using	g a
2nd High Frequency Techn M - Sequential Matching Ir N - No External Card Num S - Sequential Internal/Sec R - Random Internal/Non-l A - Sequential Matching Ir B - Sequential Internal/Sec C - Random Internal/Non-l	nternal/Ext abering quential No Matching S aternal/Ext quential No	ernal (In on-Match Sequenti ernal (La on-Match	kjetted) ⁶ ning External al Externa ning External ning External	rnal (Inkje al (Inkjett aved) ⁴ rnal (Las	etted) ⁶ ed) ⁶ er Engra									
Option - Custom Artwork¹	Specify A	Artwork I	Number –	Refer to	the Cus	tom Artwo	ork Form	s for new	artwork))				
Enter your final card option	ons from	the abo	ove sele	ctions.	Examp	e: 390	4RNGC	MNM	1	,	•			
Final Part Number								N		-		(Options	#)	



iCLASS Programming Information	2 nd 13.56 MHz Programming Info	ormation
Bit Numbers (example: 26 bit)	Bit Numbers	. (example: 26 bit)
Format Number (example: H10301)	Format Number	
Facility Code	Facility Code	`
SE Elite ICE Number (if applicable)	SE Elite ICE Number (if applicable) -	
(Custom Formats) Site Code City Code	(Custom Formats) Site Code	. City Code
OEM Code	OEM Code	
Internal Card No. Start Stop	Internal Card No. Start	. Stop
External Card No. Start Stop	External Card No. Start	. Stop
	Special Instructions:	

ASSA ABLOY An ASSA ABLOY Group program

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.

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 Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.

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



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

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

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

Base Model	<u></u> 39	5 Sta	andar	d PV)		396 C	Comp	osite -	40% .	Polye	ste	r/PVC *
iCLASS Memory Size a. □ 0 - 2k Bits (256 Bytes) v □ 3 - 32k Bits (4K Bytes) / □ 4 - 32k Bits (4K Bytes) /	vith 2 Application a	ation Ar reas 16	eas (onl ₎ k/2+16k	y availat /1	ole with	MIFARE	CLASS	C 1K)			125" 4 cm)		Front Packaging
13.56 MHz Technology (R - SIO Programmed iCLAS P - Programmed iCLAS A - Configured, Non-Pro	LASS & 2nd S with SIO o	Techno	logy. Sp 2 nd Tech	ecify Pr nology.	ogrami Specify	y Progran	nming In				•		3.370*
2 nd High Frequency (13.	only availat									0.03 (0.084		- - -	(8.57 cm)
125 kHz Technology Call P - "HID Prox" Program C - "Indala/Casi Prox" P N - Initialized 125 kHz T	med 125 kH: rogrammed	z Techn 125 kH:	ology. S z Techno	Specify Fology. S	pecify	Programi			l				0
Front Packaging (Check G - Plain White with Glo C - Custom Artwork with	ss Finish	sh – Spe	cify Cus	tom Art	work Ni	umber¹							OPTIONAL MAGNETIC STRIPE 112" (HICOHRIGH ENERGY - 40000E) 12345 12345 12745 YYYYYYYYYY 125 kHz # iCLASS #
Back Packaging (Check G - Plain White with Glo C - Custom Artwork with 1 - Plain White with Glo 3 - Custom Artwork with	oss Finish ² n Gloss Finis ss Finish wit	h Magn	etic Strip	e ²			Artwork	Numbe	ır ¹				Card ID Number YYY-YY = Sales Order Number
iCLASS Card Numberin M - Sequential Matching N - No External Card Ni S - Sequential Internal/S R - Random Internal/No A - Sequential Matching	g Internal/Ex umbering Sequential N n-Matching	ternal (I on-Mate Sequen	ching Ex	ternal (lı mal (lnk	jetted)6			Er C - R	ngraved) [,]	⁴ nternal/N	·		Non-Matching External (Laser Sequential External (Laser
Slot Punch⁵ (Check One))												
IMPORTANT – Dual Hij badge holder to attach to ☑ N - No Slot Punch						ow a slo	ot punc	h due i	to the a	ntenna	a desig	n. F	HID recommends using a
2nd 13.56 MHz Card Num M - Sequential Matching N - No External Card Ni S - Sequential Internal/S R - Random Internal/No A - Sequential Matching	g Internal/Ex umbering Sequential N n-Matching	ternal (I on-Mate Sequen	nkjetted ching Ex tial Exte	ternal (lı mal (lnk	jetted) ⁶			E C -R	ngraved)) ⁴ nternal/N			Non-Matching External (Laser Sequential External (Laser
125 kHz Card Numberin M - Sequential Matching N - No External Card Ni S - Sequential Internal/S R - Random Internal/No A - Sequential Matching	g ³ (Check g Internal/Ex umbering Sequential N n-Matching	One) ternal (I on-Mate Sequen	nkjetted ching Ex tial Exte) ⁶ ternal (li mal (lnk	nkjetted) ⁶			E C -R	ngraved)) ⁴ nternal/N			Non-Matching External (Laser Sequential External (Laser
Option - Custom Artwor ☐	· k¹ (Specify	Artwork	Numbe	r – Refe	r to the	Custom .	Artwork I	orms fo	or new ai	rtwork)			
Enter your final card op	_ 、 ,									,			
Final Part Number								N				-	(Options #)



ICLASS Programming Informati	on
Bit Numbers (example: 26 bit) Format Number (example: H1030 Facility Code	21)
· —	
SE Elite ICE Number (if applicable)	
(Custom Formats) Site Code	City Code
OEM Code	
Internal Card No. Start	Stop
External Card No. Start	Stop
2 nd 13.56 MHz Programming Info	ormation
Bit Numbers (example: 26 bit)	
Format Number (example: H1030	01)
Facility Code	
SE Elite ICE Number (if applicable)	
(Custom Formats) Site Code	
OEM Code	
Internal Card No. Start .	Stop
External Card No. Start	Stop
125 kHz Programming Informati	on
Bit Numbers (example: 26 bit)	A4)
Format Number (example: H1030	n)
Facility Code	
SE Elite ICE Number (if applicable)	
(Custom Formats) Site Code	City Code
OEM Code	
Internal Card No. Start	Stop
External Card No. Start	Stop
 ² Cards ordered with plain white front and back punch target printed on the back of the card. ³ The external card number is placed in the bott ⁴ For Laser Engraved external numbers, consul ⁵ Cards are provided with an optional slot punch 	ce for custom artwork number, lead-times, and cost. packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot om right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card. If factory for lead times and cost. a to no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Texas are always laser-engrayed. Inkjetted option is not available for these cards.
* The composite construction is recommended to	for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



iCLASS SR Credentials

200/210 - iCLASS SR Card Ordering Guide

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

Base Model 🔲 200	Standard PVC		210 (Comp	osite 4	0% P	olyeste	r/PVC*		
iCLASS Memory Size and Allocat. 0 - 2k Bits (256 Bytes) with 2 Applic 1 - 16k Bits (2k Bytes) with 2 Applic 2 - 16k Bits (2k Bytes) with 16 Appl	ation Areas ation Areas							areas 16k/2+16k/1 areas 16k/16+16k/1		
Secure Identity Object Programm ☑ H - Programmed with Security Iden					Ī					
Standard Programming ☑ P - Programmed with standard iCL	ASS Access Control A	pplication			2.12			Front Packagir	ng	
Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Fini	sh – Specify Custom A	urtwork Number ¹								
Back Packaging (Check One) G - Plain White with Gloss Finish ² C - Custom Artwork with Gloss Finish wi 1 - Plain White with Gloss Finish wi 3 - Custom Artwork with Gloss Finish Number ¹	th Magnetic Stripe ²			i.	0.033" (0.084 cm			3.370° (8.57 cm)		
Card Numbering³ (Check One) M - Sequential Matching Internal/Es N - No External Card Numbering S - Sequential Internal/Sequential N R - Random Internal/Non-Matching A - Sequential Matching Internal/Es B - Sequential Internal/Sequential N C - Random Internal/Non-Matching	Non-Matching External Sequential External (I tternal (Laser Engrave Non-Matching External	nkjetted) ⁷ d) ⁴ (Laser Engrave						Back Packagir OPTIONAL MAGNETIC ST 1/2" (HICOHIGH ENERGY - A	RIPE 1000OE)	
Slot Punch ⁵ (Check One) N - No Slot Punch (Printed location V - Vertical Slot Punch H - Horizontal Slot Punch ⁶ B - No Slot Punch - Horizontal Pun-Horizontal slot punch will remain	ch compatible (Printed	,	ical and			1234	15 = Card	Programming ID Number 'Y = Sales Orde	r Numb	
, ,	Artwork Number – Re				r new artv	work)				
Enter your final card options fron Final Part Number		ve. Example: P	2001HPG	GNN		-		(Options #	<u>t)</u>	
iCLASS Card Programming Inf	ormation									
Bit Numbers (example: 26 bi Format Number (example: H10 Facility Code SE Elite ICE Number (if applicable) (Custom Formats) Site Code C Internal Card # Start Stop Special Instructions:	Oity Code OE	ard # Start		ор						
For new artwork files, contact Customer Serv	rice for custom artwork nu	mber, lead-times,	and cost.							

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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.

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 option H for the Slot

⁷ Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.

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



202/212 - iCLASS SR + Prox Ordering Guide[START HERE]

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	<u> </u>	Standard	PVC] 21	2 Cc	отро	site	40	% Pol	yest	er / PVC *		
iCLASS Memory Size an □ 0 - 2k Bits (256 Bytes) wi □ 1 - 16k Bits (2k Bytes) wi □ 2 - 16k Bits (2k Bytes) wi □ 3 - 32k Bits (4K Bytes) A; □ 4 - 32k Bits (4K Bytes) A;	th 2 Application th 2 Application th 16 Application polication areas polication areas	n Areas n Areas on Areas s 16k/2+16k/1		12345	= Card II	D Num	nber			2.125' (5.4 cm		Front Packagir	ng	
Secure Identity Object Pr H - Programmed with Secure Identity Object Pr		Object (SIO)		YYYYY	YYY-YY	′ = Sal	les Ord	ler Nu	umbe	er 🗼				
iCLASS Programming (C. ☐ P - Programmed iCLASS ☐ B - Programmed 125 kHz	only and Prox									0.033" (0.084 cm)	<u> </u>		370' 57 cm)	
Front Packaging (Check Grant G	s Finish	Specify Custor	m Artwor	k Numb	er¹							Book Books		
Back Packaging (Check C G - Plain White with Glos C - Custom Artwork with 1 - Plain White with Gloss 3 - Custom Artwork with	s Finish² Gloss Finish – s Finish with Ma	agnetic Stripe ²				vork N	umber¹					1/2" (HICO/HIGH	IGNETIC STRIPE ENERGY - 40000E	
iCLASS Card Numbering	r ³ (Check On Internal/Extern Inbering equential Non-I -Matching Seq	e) al (Inkjetted) ⁶ Matching Exter uential Externa	nal (Inkje	etted) ⁶			B - Se (La: C - Ra	quent ser Er	ngrav Inter	red)⁴ mal/Non-l		t 1234 † 125 ki I Non-Matching External Extern	ternal	#
Slot Punch ⁵ (Check One) H - Horizontal Slot Punch V - Vertical Slot Punch N - No Slot Punch (This o	6 ard can be slo	tted vertically (Printed				C - No	o Slot	Pund	ch - Horiz		lottable Punch co t punch will remair		rinted
125 kHz Card Numbering	Internal/Extern nbering equential Non-l -Matching Seq	al (Inkjetted) ⁶ Matching Exter uential Externa	al (Inkjett				(La: C - Ra	ser Er	ngrav Inter	red)⁴ mal/Non-l		Il Non-Matching Extens		
Option - Custom Artwork	_ (Specify Artv	vork Number –							artwo	ork)				
Enter your final card opti Final Part Number	ons from the	above sele	ctions.	Exam	ple: 202	2HPG	GNNI	V	-			(Options #)		Ì
iCLASS Brogramming	nformation				I.		125	LU-	Dro	aromm	ina Ir			
iCLASS Programming I						D:4 A						nformation		
Bit Numbers (example Format Number (example part of the second part of the s										example _ (exam _l				
Facility Code .	ipie. H IUSUI)						lity Co			_ (exam	oie. H i	0301)		
SE Elite ICE Number (if appl	icable) -	_					•	_		te Code	_	City Code	_	
(Custom Formats) Site Code							I Code						-	
OEM Code												ор		
Internal Card No. Start						Exte	rnal Ca	ard N	o. St	art	St	ор		
External Card No. Start						•	cial Ins	tructi	ions:	·				
¹ For new artwork files, contact Cu- ² Cards ordered with plain white fro punch target printed on the back ³ The external card number is plac	ont and back pact of the card.	kaging, or custor	n artwork,	will still h	ave a sma	ill HID id	-						and corner ar	nd a slot
⁴ For Laser Engraved external num ⁵ Cards are provided with an option ⁶ Please note that cards shipped o * The composite construction is rec	bers, consult fact all slot punch at a ut of Austin, Texa	tory for lead time no additional cha as are always las	es and cos arge. Some er-engrav	st. e video in red. Inkjet	naging prin ted option	iters car is not a	nnot acc	commo	odate ¡	ore-slot pu rds.	nched c			



205 - iCLASS SR Key Ordering Guide

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

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

Base Model 205 Base	Model									
iCLASS Memory Size and Allocation (Cl. 0 - 2k Bits (256 Bytes) with 2 Application A 1 - 16k Bits (2k Bytes) with 2 Application A 2 - 16k Bits (2k Bytes) with 16 Application A 3 - 32k Bits (4K Bytes) Application areas 1 4 - 32k Bits (4K Bytes) Application areas 1	reas reas Areas 6k/2+16k/1									
Secure Identity Object Programming ☑ H - Programmed with Security Identity Object	ect (SIO)			24 in 6 mm]		_				
Front Packaging ☑ N - iCLASS Key II - Black with blue insert.	Includes HID Stand	lard Artwork								
Back Packaging ☑ N - None										
N - No External Key Numbering S - Sequential Internal/Sequential Non-Ma R - Random Internal/Non-Matching Sequel A - Sequential Matching Internal/External (Key Numbering¹ M - Sequential Matching Internal/External (Inkjetted)⁴ N - No External Key Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁴ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁴ A - Sequential Matching Internal/External (Engraved)² B - Sequential Internal/Sequential Non-Matching External (Engraved)²									
Additional Options³ ☑ N - None			Jii	OWII – I TOIIL I	Packaging Option N					
Enter your final card options from the a			1							
Final Part Number	205	Н	N	N	N					
iCLASS Key Programming Information	on									
Bit Numbers (example: 26 bit) Facility Code SE Elite ICE Number (if applicable) (Custom Formats) Site Code City Colliternal Card # Start Stop Special Instructions:	ode OEM C		01)							
¹ The external key number is placed on the back of the	kev.									

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

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

⁴ Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.



206 - iCLASS SR Tag Ordering Guide

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

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

	Ī								
iCLASS Memory Size and □ 0 - 2k Bits (256 Bytes) wit □ 1 - 16k Bits (2k Bytes) wit □ 2 - 16k Bits (2k Bytes) wit □ 3 - 32k Bits (4K Bytes) Ap □ 4 - 32k Bits (4K Bytes) Ap	h 2 Applica n 2 Applica n 16 Applic plication ar	tion Areas tion Areas ation Areas eas 16k/2+	s -16k/1						1.285"
Secure Identity Object Pro H - Programmed with Sec			SIO)					iC.	(32.639mm
Front Packaging (Check C S - Gray with HID Standar K - Black with HID Standar C - Custom Artwork - Spe	d Artwork ard Artwork		Number ²				()		<i>// </i>
Back Packaging ☑ S - Adhesive Backing							Fı	ront l	Packaging
Tag Numbering¹ (Check O M - Sequential Matching I N - No External Tag Numl S - Sequential Internal/Se R - Random Internal/Non-	nternal/Exte pering quential No	on-Matching	g External (Inkjetted) ⁴ kjetted) ⁴					
Slot Punch ☑ N - None									
Option - Custom Artwork		Artwork Nui	mber – Refe	er to the Cu	ustom Artw	ork Forms	for new ar	rtwork))
Enter your final Tag option	ns from c	heck box	res above	. Examp	le: 2062C	SSNN	1		,
Final Part Number	206		Н		S		N	-	(Options #)
iCLASS Tag Programmi	ng Infori	mation							
Bit Numbers (example Facility Code SE Elite ICE Number (if appli (Custom Formats) Site Code Internal Card # Start Special Instructions:	cable) Ci	 ty Code	OEN	I Code		ple: H1030 	91)		
1 The external tag number is placed 2 For new artwork files, contact Cus order quantities, and cost. 3 The iCLASS Tag is not for use on 4 Please note that cards shipped ou not available for these cards.	tomer Service cards that use t of Austin, T	ce for custom se full inserti Fexas are alv	on or tractor ways laser-er	feed type re graved. Inkj	aders. jetted option	is			KLAST. Magnetic Stripe
Do not adhere to metal su inoperable. Due to variati							Co	ontact S	Smart Chip Magnetic Swipe card

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

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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 Mod	el										
iCLASS Memory Size an □ 0 - 2k Bits (256 Bytes) w □ 1 - 16k Bits (2k Bytes) w □ 2 - 16k Bits (2k Bytes) w □ 3 - 32k Bits (4K Bytes) A □ 4 - 32k Bits (4K Bytes) A	ith 2 Applicith 2 Applicith 16 Application	cation Are cation Are ication Ar areas 16k	eas eas eas s/2+16k/1)	_			060" 3 cm)		2.125° (5.4 cm)	0.070" (0.18 cm)
Secure Identity Object P H - Programmed with Se			t (SIO)			1		$\overline{}$		¥-*	1
Standard Programming P - Programmed with st Application.				ol		3.310"				12345 YYYYYYY-YY	3.370"
Front Packaging (Check M - Plain White Vinyl wit G - Plain White with Glo A - iCLASS Clamshell - C - Custom Artwork - Sp	h Matte Fir ss Finish Adhesive	Front ¹	rk Numbe	r²	(8.	41 cm)				HID	(8.57 cm)
Back Packaging (Check ☐ S - Base with Molded HI ☐ C - Custom Artwork - Sp	D Logo	om Artwor	rk Numbe	r ²	-	+ ((Co	over) ackagir	na	(Base) Back Packaging	↓ U
Card Numbering³ (Check M - Sequential Matching N - No External Card Nu S - Sequential Internal/So R - Random Internal/No	Internal/E mbering equential I	Non-Matcl	hing Exter						= iCl ASS	S Programming	
Slot Punch⁵ (Check One) ✓ V - Vertical Slot Punch)							12	345 = Ca	ard ID Number Y-YY = Sales Order Nu	umber
Option - Custom Artworn	(Specify						k Forms fo	r new A	rtwork)		
Enter your final card opt Final Part Number	208	п спеск	H	P	kampie:	208001	GSIVIV	٧	-	(Optio	ns #)
iCLASS Card Program	ming Inf	ormatic	on								
Bit Numbers (example facility Code SE Elite ICE Number (if app			Forma	t Number	(example	: H10301)				
(Custom Formats) Site Cod Internal Card # Start Special Instructions:	e . Stop	City Co									
¹ The part numbers for non-adhes ² For new artwork files, contact Cr							front are 13	324GGN3	31 without slo	ot and 1324GGV31 with slot.	

- 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.
- ⁴ Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.



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

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

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

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

Base Model 23	2 Standard PVC		242 C	omposit	e 40%	6 Po	olyester / PVC *
iCLASS Memory Size and Allocation □ 0 - 2k Bits (256 Bytes) with 2 Application a □ 3 - 32k Bits (4K Bytes) Application a □ 4 - 32k Bits (4K Bytes) Application a	ation Areas (only available reas 16k/2+16k/1	with MIFAR	E CLASSIC	1K)		125" 4 cm)	Front Packaging
Secure Identity Object Programmii H - Programmed with Security Identit I - Programmed with SIO Identity Ol J - Programmed with SIO Identity O	ity Object (SIO) for iCLASS bject (SIO) for 2 nd technolo	gy only	y				3.370'
2 nd High Frequency Technology (C		12345 - C	ard ID Num	hor	0.033 (0.084 d		(8.57 cm)
Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finis	sh – Specify Custom Artwo	YYYYYYY	Y-YY = Sal		umber		OPTIONAL MAGNETIC STRIPE 1/2" (HICOHIGH ENERGY - 40000E)
Back Packaging (Check One) G - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish 1 - Plain White with Gloss Finish with 3 - Custom Artwork with Gloss Finish	h Magnetic Stripe ²		m Artwork N	umber¹			12345 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
iCLASS Card Numbering³ (Check Company) (Check	ternal (Inkjetted) ⁶ on-Matching External (Inkj Sequential External (Inkjett			Engrav	ed)⁴ n Interna		equential Non-Matching External (Laser n-Matching Sequential External (Laser
Slot Punch ⁵ (Check One) IMPORTANT – Dual High Freque	uncy credentials do no	tallow a s	lot nunch	due to the	anton	na a	lesian HID recommends using a
badge holder to attach this card to			ioi puricir	aue to the	antem	na u	esign. Tiid recommends using a
N - No Slot Punch							
2 nd High Frequency Technology C M - Sequential Matching Internal/Ext N - No External Card Numbering S - Sequential Internal/Sequential No R - Random Internal/Non-Matching S A - Sequential Matching Internal/Ext	ternal (Inkjetted) ⁶ on-Matching External (Inkjet Sequential External (Inkjett	etted) ⁶		Engrav	ed)⁴ n Interna		equential Non-Matching External (Laser n-Matching Sequential External (Laser
Option - Custom Artwork¹	Artwork Number – Refer to	the Custon	n Artwork Fo	rms for new	v artwork))	
Enter your final card options from	the above selections.	Example	: 2324HN0			I	(Outlant #)
Final Part Number	1 1 1	1 1	1	N	1	-	(Options #)



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

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 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.

Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.

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



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

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

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

Base Model	<u> </u>	2 Sta	ndard	PVC		26	2 Con	nposite	e 40%	6 Poly	este	er / PVC *
iCLASS Memory Size an 3 - 32k Bits (4K Bytes) A 4 - 32k Bits (4K Bytes) A	Application a	reas 16k	/2+16k/1							<u></u>		3,370° (8,57 cm)
Secure Identity Object P H - Programmed with Se			t (SIO) fo	or iCLASS	S only							
2nd High Frequency (13 ☑ 0 - LEGIC prime 1024	.56 MHz) 1	Technol	ogy						2. (5.	125" 4 cm)		Front Packaging
125 kHz Technology Cal P - "HID Prox" Programs C - "Indala/Casi Prox" P N - Initialized 125 kHz T	med 125 kH: rogrammed	z Techno 125 kHz	logy. Sp Technolo	ecifý Pro ogy. Spe	cify Prog	ramming		ion.	(0.084 cm)			Shared Card Edge 5
Front Packaging (Check ☐ G - Plain White with Glo ☐ C - Custom Artwork with	ss Finish	sh - Spec	ify Custo	m Artwoi	rk Numbe	er ¹			m)			Back Packaging
Back Packaging (Check G - Plain White with Glo C - Custom Artwork with 1 - Plain White with Glos 3 - Custom Artwork with	ss Finish² n Gloss Finis ss Finish wit	h Magne	tic Stripe	2			work Nun	nber¹			HID ROLASS LE	2345 2#12345 VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV
												Card ID Number YY-YY = Sales Order Number
iCLASS Card Numbering M - Sequential Matching N - No External Card Nu S - Sequential Internal/No R - Random Internal/No A - Sequential Matching	Internal/Exumbering Sequential N n-Matching	ternal (In on-Match Sequenti	ning Exte al Extern	al (Inkjet			Engrav	ed)⁴ - Randor				Non-Matching External (Laser g Sequential External (Laser
Slot Punch (Check One)												
IMPORTANT – Dual High badge holder to attach t						a slot p	unch du	ie to the	anten	na des	ign.	HID recommends using a
N - No Slot Punch					•							
2 nd 13.56 MHz Card Num ✓ N - No External Card Nu												
125 kHz Card Numbering M - Sequential Matching N - No External Card Nu S - Sequential Internal/No R - Random Internal/No A - Sequential Matching	Internal/Exumbering Sequential Non-Matching	ternal (In on-Match Sequenti	ning Exte al Extern	al (Inkjet	etted)⁵ ted)⁵		Engrav	ed)⁴ - Randor		·		Non-Matching External (Laser g Sequential External (Laser
Option -Custom Artwork	(¹ _ Specify Ar	twork Nu	mber – F	Refer to t	he Custo	m Artwor	k Forms	for new a	ırtwork			
Enter your final card op	tions from	the abo	ove sele	ections.	Examp	le: 252	4HOPG(GMNNN			1	.
Final Part Number			Н	0					N	N		(Options #)

ASSA ABLOY An ASSA ABLOY Group program



iCLASS Programming Information
Bit Numbers . (example: 26 bit)
Format Number (example: H10301)
Facility Code
iCLASS Elite ICE Number (if applicable)
(Custom Formats) Site Code City Code
OEM Code
Internal Card No. Start Stop.
External Card No. Start Stop
125 kHz Programming Information
Bit Numbers (example: 26 bit)
Format Number (example: H10301)
Facility Code .
(Custom Formats) Site Code City Code
OEM Code
Internal Card No. Start Stop
External Card No. Start Stop
Special Instructions:
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 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 Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.

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



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

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

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

Ensure each required option has been checked with the appropriate c	noice to famili a completed order form.
Base Model 252 Standard PVC 26	2 Composite 40% Polyester / PVC *
iCLASS Memory Size and Allocation (Check One) □ 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE CL/ □ 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 □ 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/	ASSIC 1K)
Secure Identity Object Programming ☐ H- Programmed with Security Identity Object (SIO) for iCLASS SR only ☐ I - Programmed with SIO Identity Object only (SIO) for 2 nd technology only	J - Programmed with SIO Identity Object (SIO) iCLASS (iCLASS SR and 2 nd technology programmed with SIO only K - Programmed with SIO Identity Object (SIO) iCLASS (iCLASS SR and 2 nd technology programmed (non SIO)
2 nd High Frequency (13.56 MHz) Technology (Check One) M - MIFARE 1K Bytes (only available with iCLASS 2k bits) N - MIFARE 4K Bytes K - DESFire EV1 8K Bytes	
125 kHz Technology Card Programming (Check One) □ P - "HID Prox" Programmed 125 kHz Technology. Specify Programming Information □ C - "Indala/Casi Prox" Programmed 125 kHz Technology. Specify Programming □ N - Initialized 125 kHz Technology. Programming Information Not Required	
Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	
Back Packaging (Check One) ☐ G - Plain White with Gloss Finish ² ☐ C - Custom Artwork with Gloss Finish — Specify Custom Artwork Number ¹	 ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number¹
iCLASS Card Numbering³ (Check One) ☐ M - Sequential Matching Internal/External (Inkjetted)⁵ ☐ N - No External Card Numbering ☐ S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ ☐ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ ☐ A - Sequential Matching Internal/External (Laser Engraved)⁴	 □ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴ □ C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴
Slot Punch ⁵ (Check One)	
IMPORTANT – Dual High Frequency credentials do not allow a slot published by badge holder to attach this card to a lanyard or badge clip.	unch due to the antenna design. HID recommends using a
N - No Slot Punch 2nd 13.56 MHz Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁵ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ 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
125 kHz Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁵ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ 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 (Specific Artwork Number - Refer to the Custom Artwork Number - Refer to the Custom Artwork Number - Refer to the Custom Artwork	under Corrector nous artifactor
(Specify Artwork Number – Refer to the Custom Artw	,
Enter your final card options from the above selections. Example: 252 Final Part Number	N - (Options #)



iCLASS Programming Information
Bit Numbers (example: 26 bit) Format Number (example: H10301) Facility Code iCLASS Elite ICE Number (if applicable) (Custom Formats) Site Code City Code OEM Code Internal Card No. Start Stop. External Card No. Start Stop
2 nd 13.56 MHz Programming Information
Bit Numbers (example: 26 bit) Format Number (example: H10301) Facility Code (Custom Formats) Site Code City Code OEM Code Internal Card No. Start Stop External Card No. Start Stop Special Instructions:
125 kHz Programming Information
Bit Numbers (example: 26 bit) Format Number (example: H10301) Facility Code (Custom Formats) Site Code City Code OEM Code Internal Card No. Start Stop External Card No. Start Stop
Special Instructions:
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 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 Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.

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



$600 - iCLASS/2^{nd}$ Technology (UHF)/Prox - Combination Card Ordering Guide

The iCLASS with UHF (Ultra High Frequency: 860-960 MHz) contactless smart card as well as HID Proximity offers multiple frequency technologies to simplify card issuance for diverse systems or migration projects. Add new applications for long read range (parking, gate, healthcare...) while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element.

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

	· · · · · · · · · · · · · · · · · · ·	
Base Model 600 Composite 40% Polyeste	er / PVC *	
iCLASS Memory Size and Allocation (Check One) 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/	<u>†</u>	
13.56 MHz and UHF Technology Card Programming (Check One) □ B - Programmed iCLASS & 2 nd Technology. Specify Programming Informatio □ P - Programmed iCLASS only not 2 nd Technology. Specify Programming Info □ C - Configured, Non-Programmed iCLASS . Non-programmed 2 nd Technology □ Programming Information Not Required. □ A - Configured, Non-Programmed iCLASS, Programmed 2 nd Technology. Specify Programming Information.	ormation.	Front Packaging
UHF (860-960 MHz) Technology (Check One) ☑ A – User Memory 512 bits, EPC 128, chip Monza 4QT	(0.033° (0.084 cm)	3.370° (8.57 cm)
125 kHz Technology Card Programming (Check One) □ P - "HID Prox" Programmed 125 kHz Technology. Specify Programming Info □ C - "Indala/Casi Prox" Programmed 125 kHz Technology. Specify Programm □ N - Initialized 125 kHz Technology. Programming Information Not Required		Back Packaging
Front Packaging (Check One) ☐ G - Plain White with Gloss Finish ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹		OPTIONAL MAGNETIC STRIPE 112" (HICOHIGH ENERGY - 40000E) 12245 12245 12245 YYYYYYYYYYY 125 kHz # iCLASS #
Back Packaging (Check One) G - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish − Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom	YYYY	5 = Card ID Number YYYYY-YY = Sales Order Number
iCLASS Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁵ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ A - Sequential Matching Internal/External (Laser Engraved)⁴	Engraved) ⁴	ntial Non-Matching External (Laser ching Sequential External (Laser
Slot Punch ☑ N - No Slot Punch		
UHF Card Numbering³(Check One) M - Sequential Matching Internal/External (Inkjetted)⁵ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ A - Sequential Matching Internal/External (Laser Engraved)⁴	Engraved) ⁴	ntial Non-Matching External (Laser ching Sequential External (Laser
125 kHz Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁵ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ A - Sequential Matching Internal/External (Laser Engraved)⁴	Engraved) ⁴	ntial Non-Matching External (Laser

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Option - Custom Artwork ☐		Artwork N	umber – R	efer to	o the Cus	stom Artw	ork Forn	ns for nev	v artwork)		
Enter your final card opti										,		
Final Part Number	600			A							-	(Options #)
iCLASS Programming In	formatio	n										
Bit Numbers			(exa	mple:	26 bit)							
Format Number			(exan	ıple: I	H10301)							
Facility Code												
iCLASS Elite ICE Number (if	applicab	le)										
(Custom Formats) Site Cod	e	c	ity Code									
OEM Cod	le											
Internal Card No. Start		Sto	op									
External Card No. Start		Sto	op		<u> </u>							
PIN: Sequential: Start #		_ 🗌 Ran	dom: Len	gth _								
UHF Programming Inform	nation											
Bit Numbers			. (exa	mple:	26 bit)							
Format Number												
Facility Code				•	,							
(Custom Formats) Site Code												
		-	-									
Internal Card No. Start												
External Card No. Start												
Special Instructions:												
125 kHz Programming In	formatio	n										
Bit Numbers			. (exa	mple:	26 bit)							
Format Number												
Facility Code			,	•								
(Custom Formats) Site Code	•	. Ci	ity Code									
•			_									
Internal Card No. Start												
External Card No. Start												
Special Instructions:												
¹ For new artwork files, contact Cu ² Cards ordered with plain white from the card.	ont and bac	k packaging	j, or custom	artwor	k, will still	have a sm	all HID lo	=				rinted in the lower left-hand on the back of

The external card number is placed in the bottom right-hand corner for UHF and iCLASS 13.56 and in the bottom center for 125 kHz Proximity on the back of the card.
 For Laser Engraved external numbers, consult factory for lead times and cost.
 Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.

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



LEGIC Multi-technology Credentials

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

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

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

Base Model	□ 2	92 St	andar	d PVC)		295 C	отро	site 4	0% P	olye	ste	r/PVC *
LEGIC High Frequency ☑ 0 - LEGIC prime 1024		ogy								_			3.370" (8.57 cm)
Secure Identity Object S - 1st technology bla N - Card blank - neithe	nk, 2nd tech	nology S		ammed									Front Packaging
2 nd High Frequency (13		Techno	logy							125° 4 cm)			gg
125 kHz Technology C P - "HID Prox" Progral C - "Indala/Casi Prox" N - Initialized 125 kHz	mmed 125 k Programme	Hz Tech d 125 kH	nology. S Iz Techno	Specify Pology. S	pecify Pr	ogramm	ormation ning Infor	mation	(0.00				
Front Packaging (Chec G - Plain White with G C - Custom Artwork w	loss Finish	nish – Sp	ecify Cus	stom Artv	vork Num	nber1			(0.084 cm)				Shared Card Edge
Back Packaging (Chec G - Plain White with G C - Custom Artwork w 1 - Plain White with G 3 - Custom Artwork wi Number¹	loss Finish ² ith Gloss Fir loss Finish v	nish – Sp vith Magr	netic Strip	oe ²			Artwork						Back Packaging
LEGIC Card Numberin ☑ N - No External Card												= Ca	rd ID Number
Slot Punch										<u> </u>			-YY = Sales Order Number
badge holder to attach						v a slot	t punch	due to	the an	tenna d	desig	n. H	IID recommends using a
N - No Slot Punch													
2 nd 13.56 MHz Card Nu	ng Internal/E Numbering I/Sequential Ion-Matchin	External (Non-Mai g Sequer	Inkjetted tching Ex ntial Exte	ternal (In mal (Inkj	etted)5			Eng C - Rar	raved)4		·		Non-Matching External (Laser Sequential External (Laser
125 kHz Card Numberi M - Sequential Matchi N - No External Card S - Sequential Internal R - Random Internal/N A - Sequential Matchi	ng Internal/E Numbering I/Sequential Ion-Matchin	External (Non-Mai g Sequer	tching Ex	ternal (In mal (Inkj	etted)5 (Eng C - Rar	raved)4		•		Non-Matching External (Laser Sequential External (Laser
Option -Custom Artwo ☐		Artwork N	Number -	- Refer to	the Cus	tom Art	work Fori	ns for ne	w artwo	rk.			
Enter your final card o	ptions fro	m the a	bove se	election	s. Exan	nple: 2	920SKI	PGGNN	NN				
Final Part Number		0		K				N	N			-	(Options #)



LEGIC Programming Information (no programming possible in this version)

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

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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 on the back of the card.

³The 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.

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

⁵ Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.

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



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

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

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

Base Model		293 Sta	ndard l	PVC] 29	6 Co	mposi	te 40%	6 P	olyester / PVC *
LEGIC High Frequency ↑ ■ 0 - LEGIC prime 1024	Techno	logy									3.370" (8.57 cm)
Secure Identity Object P S - 1st technology blank N - Card blank - neither	, 2nd ted	chnology SIC							Ī		
2 nd High Frequency (13.5			ogy						2.125° (5.4 cm)		Front Packaging
Front Packaging (Check G - Plain White with Glo C - Custom Artwork with	ss Finish		cify Custon	n Artwo	rk Numb	er¹					
Back Packaging (Check G - Plain White with Glo C - Custom Artwork with 1 - Plain White with Glos 3 - Custom Artwork with	ss Finish Gloss F s Finish	Finish – Speo with Magne	tic Stripe ²				vork	(0.084 GH)	.033		Shared Card Edge
Number¹ LEGIC Card Numbering³ N - No External Card Nu		1									Back Packaging
Slot Punch		,									
IMPORTANT — Dual Hig due to the antenna designation this card to a lanyard or ☑ N - No Slot Punch	gn. HIL) recomme								1:	12345 EXTESS45 VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV
2nd High Frequency Tecl M - Sequential Matching N - No External Card Nu S - Sequential Internal/S R - Random Internal/No A - Sequential Matching	Interna mbering equentian- n-Match	l/External (Ir) al Non-Matcl ing Sequenti	kjetted)⁵ hing Exterr al Externa	nal (Inkj I (Inkjeti	etted) ⁵			Engra	ved) ⁴ om Interna		equential Non-Matching External (Laser n-Matching Sequential External (Laser
Option - Custom Artwor		ify Artwork N	lumber - R	Refer to	the Cust	om Artwo	rk Form	s for nev	v artwork)		
Enter your final card opt	ions fr	om the ab	ove seled	ctions.	Examp	le: 2930	SKG	<u> </u>	1		,
Final Part Number		0		K			N	N		-	(Options #)
LEGIC Programming Inf	ormatio	on (no pro	grammin	g poss	sible in	this ver	sion)				
2 nd 13.56 MHz Program	ming	Informati	on								
Bit Numbers Format Number (exa	•	10301)	.(exa	mple:26	6 bit)		Exter		No. Star	t	Stop Stop
(Custom Formats) Site Cod	е	C					- 1000			•	<u>.</u>
¹ For new artwork files, contact Co ² Cards ordered with plain white fi								no HID	and refere	nce ni	mber printed in the lower left-hand on the back of

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. Consult with the printer manufacturer prior to ordering.

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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 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.

Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.



SIO-Enabled Technology for MIFARE Classic Credentials

340/345 - MIFARE Classic Card Ordering Guide

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

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

Base Models 3400 (1K) Stand 3450 (1K) Comp		rester / PVC				andard PVC omposite Polyester 40% / PVC *
Secure Identity Object Progra P - Programmed with Security					†	
Front Packaging (Check One) G - Plain White with Gloss Fini C - Custom Artwork with Gloss	sh	om Artwork Numbe	r¹		125" 4 cm)	Front Packaging
Back Packaging (Check One) G - Plain White with Gloss Fini S - Standard HID MIFARE Artv 1 - Plain White with Gloss Finis 2 - Standard HID MIFARE Artv C - Custom Artwork with Gloss Number¹.²	vork ² sh with Magnetic Stripe vork with Magnetic Strip Finish – Specify Custo	0.033" (0.084 cm)		3.370° (8.57 cm)		
Card Numbering³ (Check One, M - Sequential Matching Interm N - No External Card Numberin U - UID (CSN) HEX card numb V - UID (CSN) Decimal card numb S - Sequential Internal/Sequen R - Random Internal/Non-Matching Interm B - Sequential Internal/Sequen C - Random Internal/Non-Matching Interm Z - Reversed UID (CSN) Decim	al/External (Inkjetted) ⁷ ng pering only (Inkjetted) ⁷ umbering only (Inkjetted) umbering only (Inkjetted) tial Non-Matching Exte hing Sequential External (Laser Engr tial Non-Matching Exte hing Sequential Extern	rmal (Inkjetted) ⁷ ial (Inkjetted) ⁷ raved) ⁴ imal (Laser Engravial (Laser Engraved)	d) ⁴	(6.66)	· · · · · ·	Back Packaging Note: 340 credential image may vary.
Slot Punch ⁵ (Check One) N - No Slot Punch (Printed loca V - Vertical Slot Punch H - Horizontal Slot Punch	ation of vertical slot pur	nch will remain)				12345 = Card ID Number YYYYYYYY-YY = Sales Order Number
,	ecify Artwork Number -				artwork)	
Enter your final card options Final Part Number	P P	above. Example	N		-	(Options #)
13.56 MHz Card Programmi	ng Information					
Bit Numbers (ex Facility Code SE Elite ICE Number (if applicable (Custom Formats) Site Code Internal Card No. Start St External Card No. Start St Special Instructions:	ample: 26 bit) a) City Code op	OEM Code				
smart chip module. 1 For new artwork files, contact Customer Servic 2 Cards ordered with plain white front and back punch target printed on the back of the card. 3 The external card number is placed in the bott 4 For Laser Engraved external numbers, consul	ce for custom artwork number, packaging, with no HID artwork on right-hand comer on the bett factory for lead times and cost at no additional charge. Some Serial number.	lead-times, and cost. k or with custom artwork, ack of the card on Proxim st. When printed, by defa e video imaging printers of	will still have a small ity Format Programm ult the number is encu annot accommodate	HID logo Hi ing only. oded MSB (mo pre-slot punch	and ref	refiguration does not include a contact reference number printed in the lower left-hand corner and a slot at byte) -> LSB (least significant byte).

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



350/355 - MIFARE Classic + Prox Card Ordering Guide

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

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

Base Models 3500 (1K) Standa	rd PVC							า จ	506	s (4)	K) S	Standard PVC
☐ 3550 (1K) Compo		Polye	ster/	PVC *			E					Composite Polyester 40% / PVC *
Programming (Check One) ☐ P - Programmed with Security Identity Object (SIO) for MIFARE, Prox non-p ☐ R - Both interfaces programmed (MIFARE with Security Identity Object (SIO programmed with HID format)										7		
	ont Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹									2.1 (5.4		Front Packaging
Back Packaging (Check One) G - Plain White with Gloss Finish² S - Standard HID MIFARE Artwork² 1 - Plain White with Gloss Finish with Magnetic Stripe² 2 - Standard HID MIFARE Artwork with Magnetic Stripe C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹.² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹.²						2			(0	0.033 .084 c		3.370° (8.57 cm)
13.56 MHz MIFARE Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁵ N - No External Card Numbering U - UID (CSN) HEX card numbering only (Inkjetted)⁵ V - UID (CSN) Decimal card numbering only (Inkjetted)⁵ S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ A - Sequential Matching Internal/External (Laser Engraved)⁴ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴ C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴ Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)⁴												Note: 350 credential may vary. Note: 340 credential image may vary.
Slot Punch N - No Slot Punch (Printed lo					,							
M - Sequential Matching Inte N - No External Card Numbe S - Sequential Internal/Seque R - Random Internal/Non-Ma	125 kHz Prox Card Numbering³ (Check One)											
Option - Custom Artwork ¹ (Specify Artwork Number – Refer to the Custom Artwork forms for new artwork)												
Enter your final card options Final Part Number	s from cned	k boxes	above.	Examp	ie: 3	5001	N	IVIN	>		T -	(Options #)
	<u> </u>			<u> </u>	1		<u> </u>			1	1	
13.56 MHz Card Programming Information												
Bit Numbers (example: Format Number (example: Facility Code SE Elite ICE Number (if applical: (Custom Formats) Site Code Internal Card No. Start	26 bit) e: H10301) ble) City Co		. OEM (Code								
External Card No. Start Stop Special Instructions:												

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125 kHz Card Programming Information
Bit Numbers . (example: 26 bit)
Format Number (example: H10301)
Facility Code .
(Custom Formats) Site Code City Code OEM Code
Internal Card No. Start Stop
External Card No. Start Stop
Special Instructions:
For Contact Smart Chip selection, refer to Logical Access How to Order Guide. Standard configuration does not include a contact smart chip module.
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. When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte) -
byte). ⁵ Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.
* 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

Based on open global standards for security, and is interoperable with existing MIFARE DESFire infrastructures. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	rd PVC	3750 Cc	mposite 4	10% Polyester / PVC *
DESFire EV1 Memory Size ☑ C - 8K Bytes DESFire EV1			1	
Secure Identity Object Programming P - Programmed with Security Identity Object ((SIO)		2.125" (5.4 cm	
Front Packaging (Check One) ☐ G - Plain White with Gloss Finish ☐ C - Custom Artwork with Gloss Finish – Specify	Front Packaging			
Back Packaging (Check One) ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish with Magnetic ☐ C - Custom Artwork with Gloss Finish — Specify ☐ 3 - Custom Artwork with Gloss Finish with Magnetic	y Custom Artwork Numb		0.033" (0.084 cm)	3.370" (8.57 cm)
Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjet N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching R - Random Internal/Non-Matching Sequential A - Sequential Matching Internal/External (Lase B - Sequential Internal/Sequential Non-Matching C - Random Internal/Non-Matching Sequential Z - Reversed UID (CSN) Decimal card number	Back Packaging Note: 375 credential image may vary.			
Slot Punch N - No Slot Punch V - Vertical Slot Punch H - Horizontal Slot Punch				© IIII DESFire SE D8H 12345 YYYYYYYYYYYY
	ımber – Refer to the Cus			ork)
Enter your final card options from check be		le: 3750CPGGN	N -	(Options #)
		<u> </u>		
13.56 MHz Card Programming Informati	ion			
Bit Numbers (example: 26 bit) Format Number (example: H10301) Facility Code SE Elite ICE Number (if applicable) (Custom Formats) Site Code City Code Internal Card No. Start Stop External Card No. Start Stop Special Instructions:			o Stordard	
For Contact Smart Chip selection, refer to smart chip module.	Logical Access Hov	w to Order Guid	e. Stanuard	configuration does not include a contact

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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. Permanent Unique MIFARE 56 Bit serial # cannot be printed on cards.

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

⁵ Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.

^{*} 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 2.125" Front Packaging (5.4 cm) programmed with HID format) Front Packaging (Check One) ☐ G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number Back Packaging (Check One) 3.370" ☐ G - Plain White with Gloss Finish² 1 - Plain White with Gloss Finish with Magnetic Stripe² 0.033" C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number^{1, 2} (0.084 cm) 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork 13.56 MHz DESFire Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁵ N - No External Card Numbering Note: 380 credential may vary S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ □ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ Note: 375 credential image may vary 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 YYYYYYYYYYYY DESFire SE D8H 12345 = Card ID Number YYYYYYYY = Sales Order Number Slot Punch IMPORTANT – MIFARE DESFire EV1 credentials do not allow a slot punch due to the antenna design, use a badge holder to attach this card to a lanyard or badge clip. N - No Slot Punch 125 KHz Card Numbering³ ☐ B - Sequential Internal/Sequential Non-Matching External N - No External Card Numbering (Laser Engraved)4 S - Sequential Internal/Sequential Non-Matching External (Inkjetted)5 C - Random Internal/Non-Matching Sequential External (Laser R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ Engraved)4 ☐ A - Sequential Matching Internal/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: 3850CPGGNNN **Final Part Number** (Options #) 13.56 MHz Card Programming Information _. (example: 26 bit) Bit Numbers Format Number _____ (example: H10301) Facility Code SE Elite ICE Number (if applicable) (Custom Formats) Site Code _____. City Code _____. OEM Code _____.

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Special Instructions: ____

Internal Card No. Start _____. Stop _____. External Card No. Start _____. Stop _____.



125 kHz Card Programming Information
Bit Numbers (example: 26 bit)
Format Number (example: H10301)
Facility Code
(Custom Formats) Site Code City Code OEM Code
Internal Card No. Start Stop
External Card No. Start Stop
Special Instructions:
For Contact Smart Chip selection, refer to Logical Access How to Order Guide. Standard configuration does not include a contact smart chip module.
For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost. 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 low

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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. Permanent Unique MIFARE 56 Bit serial # cannot be printed on cards.

<sup>For Laser Engraved external numbers, consult factory for lead times and cost.
Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.
The composite construction is recommended for all cards with over-laminate applied.</sup>



iCLASS SE & multiCLASS SE Readers

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

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

		Part Number										
Description	Base Part No.	125 kHz Interpreters ¹	13.56 MHz Interpreters ²	Controller Communications	Controller Hardware Connection	Product Version	Color	Security ³	Configuration Settings⁴			
iCLASS SE R10 & multiCLASS SE RP10 Mini-Mullion Reader	900		T = SIO and Seos with Legacy		N = Pigtail (18") L = Long Pigtail (6') T = Terminal Strip	I -	K = Black	0 = Standard-1 2 = Standard-2 E = Elite	0000 = Standard XXXX = Specific			
iCLASS SE R15 & multiCLASS SE RP15 Mullion Reader	910	N = No Prox										
iCLASS SE R30 & multiCLASS SE RP30 EU / Asia Square Reader	930	and EM4102	N = SIO and Seos W = Custom Programming SIO,									
iCLASS SE R40 & multiCLASS SE RP40 Wall Switch Reader	920	L = Indala Prox	Seos and Legacy (HF Migration)									
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 support of HID Prox, AWID, and EM4102 (26 bit)

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

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

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

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

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 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 Seos, iCLASS SE, MIFARE Classic SE and MIFARE DESFire EV1 SE credentials.
- E = Elite reads only SE Elite™ credentials with unique matching keys. Works with iCLASS Seos, iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic and SE for MIFARE DESFire EV1 with matching Elite keys. Line item on PO requires ICE reference number.
- 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 following link and select the iCLASS SE Configuration Worksheet under Related Documents. http://www.hidglobal.com/products/readers/iclass-se. 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)

² 13.56 MHz Interpreters



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	Oldos	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NTNNEK00000
102.100.02	R10	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NTNTEK00000
	1010	LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NNNNEK2037P
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NNNTEK2037P
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910NTNNEK00000
	R15	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910NTNTEK00000
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910NNNNEK2037P
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910NNNTEK2037P
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930NTNNEK00000
	R30	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	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	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930NNNTEK2037P
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920NTNNEK00000
	R40	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920NTNTEK00000
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920NNNNEK2037P
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920NNNTEK2037P
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921NTNNEK00000
	RK40	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921NTNTEK00000
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921NNNNEK2037R
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921NNNTEK2037R
multiCLASS SE		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PTNNEK00000
	RP10	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PTNTEK00000
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PNNNEK2037Q
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PNNTEK2037Q
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PTNNEK00000
	RP15	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PTNTEK00000
	141 15	LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PNNNEK2037Q
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PNNTEK2037Q
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PTNNEK00000
	RP40	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PTNTEK00000
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PNNNEK2037Q
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PNNTEK2037Q
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930PTNNEK00000
	RP30	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930PTNTEK00000
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930PNNNEK2037Q
		LF SnnTD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930PNNTEK2037Q
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921PTNNEK00000
	RPK40	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	BFRD 1 KEY	921PTNTEK00000
		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



iCLASS SE Decor - Flush Mount Reader

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

	Part Number										
Description		Base Part No.	125 kHz Prox Interpreters	13.56 MHz Interpreters ¹	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	With Legacy	N = Wiegand C = Clock-and-Data P = OSDP using RS485 Half Duplex	T = Terminal Strip	E	W= White	0 = Standard-1 2 = Standard-2 E = Elite	0000 = Standard XXXX = Specific	

¹ 13.56 MHz Interpreters

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

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

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

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 EV1 credentials.

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

³ Configuration Settings

All standard readers ship with the following features - 13.56MHz interpreter "T" enabled, Wiegand "N" enabled, and Standard-1 "0" security keys enabled. **ANY other option selected requires a specific configuration EXTENSION.** To order non-standard configuration options, use the following link and select the iCLASS SE Configuration Worksheet under Related Documents. http://www.hidglobal.com/products/readers/iclass-se. 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. Use the following link and select the iCLASS SE Configuration Worksheet under *Related Documents* http://www.hidglobal.com/products/readers/iclass-se 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	SEC9X-CRD-	Contact your HID Support Representative	e (support.hidglobal.com)					
Security upgrade card (key rolling) Setup iCLASS SE or multiCLASS SE readers for SIO (and optionally Prox) interpreters only.								

^{&#}x27; Keys

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

²Configuration Settings

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

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

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



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, BZR OFF, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-E-034C SEC9X-CRD-0-034D	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH OFF, BZR OFF, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
	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 SEC9X-CRD-0-034E	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	CFG CARD, SE, STD, EF OFF, HF STD/SIO/SEOS, 465FDX, LED OFF, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 26-BIT (W/DEFAULT FC), KPF, BFFRD 1 TO 5 KEYS, PAR, USER ENTRD FC, 26-BIT MSG, IPM OFF
SEC9X-CRD-0-034F	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR ON, OPT TAMP, OPEN COLL, CSN 34-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-0-034F	CFG CARD, SE, ELITE, LF STD, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR ON, OPT TAMP, OPEN COLL, CSN 34-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-0-034G	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS, 485FDX, LED GFT, TESTFOFT, BER 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 MSD, IFM OFF
SEC9X-CRD-E-034H	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, DPT 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
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Firmware Update Cards

For updating reader firmware using RF cards.

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

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.

Part Number	Description
Mounting Plates, Spacers, Screen	ews 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 10 (ten OSDP modules)	SE-OSDP-5
OSDP Upgrade kit 10 (ten OSDP modules)	SE-OSDP-10

IP65 Upgrade Kit

For upgrading iCLASS SE readers to IP65 ingress protection in the field

IP65 Kit Description (10) pieces per kit	Part Number
IP65 Gasket Kit. (10) pcs per kit. For use with model R10	IP65GSKT-R10
IP65 Gasket Kit. (10) pcs per kit. For use with model R15	IP65GSKT-R15
IP65 Gasket Kit. (10) pcs per kit. For use with model R30	IP65GSKT-R30
IP65 Gasket Kit. (10) pcs per kit. For use with model R40	IP65GSKT-R40
IP65 Gasket Kit. (10) pcs per kit. For use with model RK40	IP65GSKT-RK40

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