iCLASS SE
How to Order Guide

D00545, Release E.0
November 2015

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Document History

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

Contents

iCLASS SE Credential and Reader System 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 UHF
- 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 microprocessors. The credential offers enhanced privacy protection by delivering data confidentiality and integrity between the smart card and the reader to prevent sensitive/personal data from being intercepted or cloned. Seos credentials are only delivered with SIO objects and are not backwards compatible with standard iCLASS offerings (one or several according to your requirements).

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

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

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

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

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

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

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

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

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

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

Credential Card Markings (for SIO-only cards)

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

iCLASS SE Readers

Interpreters:

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

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

Form Factors:

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

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

Panel Communication:

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

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

README - Important Guidelines

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

Announcement regarding Credentials Marking

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

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

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

Key benefits:

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

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

Notes:

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

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

Logistics - Ordering Information

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

Interoperability - Important Situations

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

What should I know about security keysets?

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

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

Standard Security Keyset	Use With	Compatibility with these Credentials
Version 1	Standard 13.56 MHz Interpreter	iCLASS Seos (+ Prox) iCLASS SE (+ Prox) iCLASS SR (+ Prox) 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% Polyester / PVC**

iCLASS Memory Size and Allocation (Check One)
- ☐ **5** - 16K Bytes
- ☐ **6** - 8K Bytes

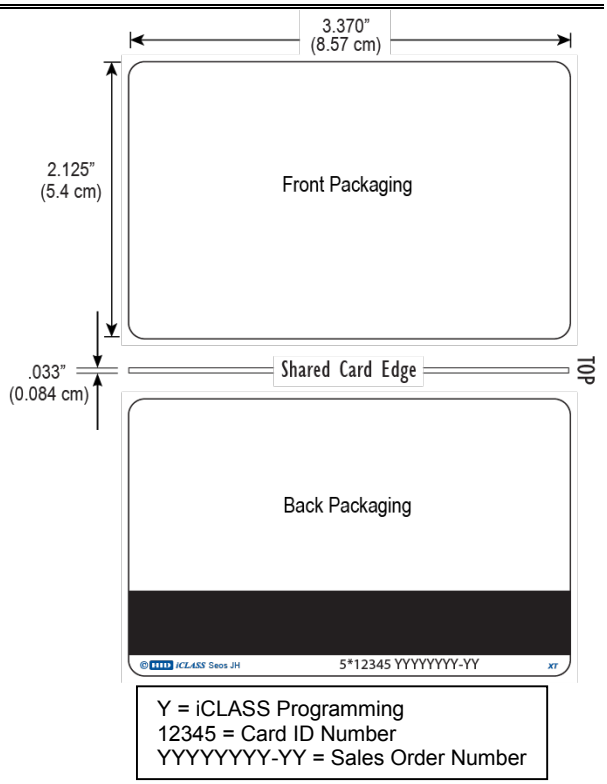
Secure Identity Object Programming
- ☒ **P** - Programmed with Security Identity Object (SIO)

Front Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

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]

Card Numbering[3] (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]

Slot Punch[5] (Check One)
- ☒ **N** - No Slot Punch



Option - Custom Artwork[1]

☐ _____ *(Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork)*

Enter your final card options from check boxes above. Example: 5005PGGNN

Final Part Number	500		P			N	-	(Options #)

iCLASS Card Programming Information

Bit Numbers _____. **(example: 26 bit)** **Format Number** _____ **(example: H10301)**

Facility Code _____.

SE Elite ICE Number (if applicable) - _____.

(Custom Formats) Site Code _____. **City Code** _____. **OEM Code** _____.

Internal Card # Start _____. **Stop** _____. **External Card # Start** _____. **Stop** _____.

Special Instructions: _____.

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

[2] Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

[3] The external card number is placed in the bottom right-hand corner on the back of the card.

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

[5] Cards are not available with any slot punch option.

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

510 - iCLASS Seos + Prox Card Ordering Guide

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

Base Model ☐ *510 Composite 40% Polyester / PVC**

iCLASS Memory Size and Allocation (Check One)
- ☐ **5** - 16K Bytes
- ☐ **6** - 8K Bytes

Secure Identity Object Programming
- ☐ **P** - Programmed with Security Identity Object (SIO), Prox non programmed
- ☐ **R** - Both interfaces programmed: iCLASS Seos with Security Identity Object (SIO), Prox programmed with HID format

Front Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish - Specify Custom Artwork Number[1]

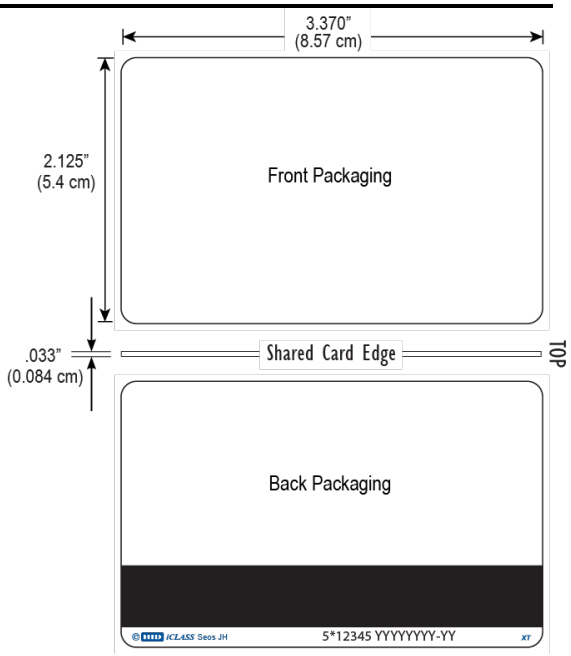
Back Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish[2]
- ☐ **C** - Custom Artwork with Gloss Finish - Specify Custom Artwork Number[1]
- ☐ **1** - Plain White with Gloss Finish with Magnetic Stripe[2]
- ☐ **3** - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number[1]

13.56 MHz iCLASS Card Numbering[3] (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]

Slot Punch[5] (Check One)
- ☒ **N** - No Slot Punch

125 kHz Card Numbering[3] (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]

Option - Custom Artwork[1]
- ☐ _____ (Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork)



Y = iCLASS Seos Programming
12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

Enter your final card options from check boxes above. Example: 5105PGGNNN

Final Part Number	510					N		-	(Options #)

iCLASS Seos Card Programming Information

Bit Numbers _____. **(example: 26 bit)** **Format Number** _____ **(example: H10301)** **Facility Code** _____.
SE Elite ICE Number (if applicable) - _____.
(Custom Formats) Site Code _____. **City Code** _____. **OEM Code** _____.
Internal Card # Start _____. **Stop** _____. **External Card # 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 # Start _____. **Stop** _____. **External Card # Start** _____. **Stop** _____.
Special Instructions: _____.

[1] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[2] Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
[3] The external card number is placed in the bottom right-hand corner on the back of the card.
[4] For Laser Engraved external numbers, consult factory for lead times and cost.
[5] Cards are not available with any slot punch option.
[6] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

520 - iCLASS Seos + iCLASS + Prox Card Ordering Guide

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

Base Model ☐ *520 Composite 40% Polyester / PVC**

iCLASS Seos and iCLASS Memory Size and Allocation
- ☒ **6** - iCLASS Seos 8K Bytes
- ☒ **0** - iCLASS 2k Bits (256 Bytes) with 2 Application Areas

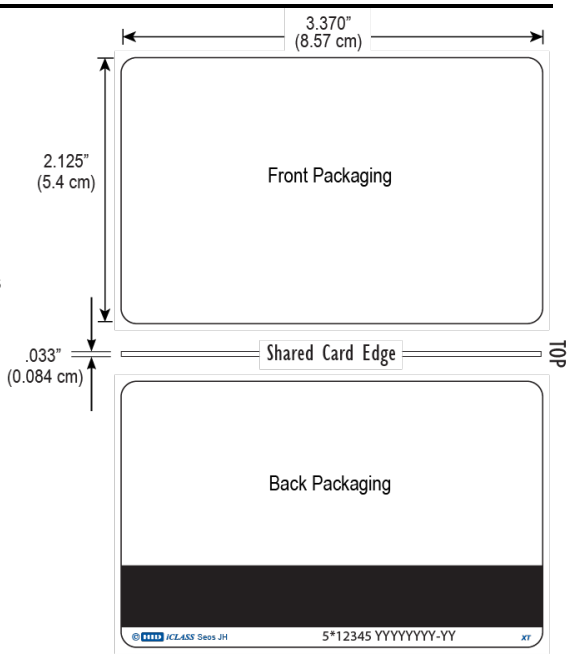
iCLASS Seos Programming (Chose one)
- ☐ **P** - Programmed with Security Identity Object (SIO)
- ☐ **V** - For Field Encoder usage

iCLASS legacy Programming (Chose one)
- ☐ **P** - Programmed with Security Identity Object (SIO)
- ☐ **H** - Programmed with standard iCLASS Access Control Application
- ☐ **S** - Programmed with Security Identity Object (SIO) and with standard iCLASS Access Control Application
- ☐ **C** - For Field Encoder usage

Prox Programming (Chose one)
- ☐ **P** - Prox programmed
- ☐ **N** - Prox non programmed

Front Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish - Specify Custom Artwork Number[1]

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]



iCLASS Seos Card Numbering[3] (Check One)
- ☐ **M** - Sequential Matching Internal/External
- ☐ **N** - No External Card Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External
- ☐ **R** - Random Internal/Non-Matching Sequential External

iCLASS legacy Card Numbering[3] (Check One)
- ☐ **M** - Sequential Matching Internal/External
- ☐ **N** - No External Card Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External
- ☐ **R** - Random Internal/Non-Matching Sequential External

Y = iCLASS Seos Programming
12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

Prox Card Numbering[3] (Check One)
- ☐ **M** - Sequential Matching Internal/External
- ☐ **N** - No External Card Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External
- ☐ **R** - Random Internal/Non-Matching Sequential External

Slot Punch[5] (Check One)
- ☒ **N** - No Slot Punch

Option - Custom Artwork[1]
- ☐ _____ (Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork)

Enter your final card options from check boxes above. Example: 52060PSPGGNNNN

Final Part Number	520	6	0								N	-	(Options #)

iCLASS Seos Card Programming Information

Bit Numbers _____. **(example: 26 bit)** **Format Number** _____ **(example: H10301)** **Facility Code** _____.
SE Elite ICE Number (if applicable) - _____.
(Custom Formats) Site Code _____. **City Code** _____. **OEM Code** _____.
Internal Card # Start _____. **Stop** _____. **External Card # Start** _____. **Stop** _____.

iCLASS legacy Card Programming Information

Bit Numbers _____. **(example: 26 bit)** **Format Number** _____ **(example: H10301)** **Facility Code** _____.
SE Elite ICE Number (if applicable) - _____.
(Custom Formats) Site Code _____. **City Code** _____. **OEM Code** _____.
Internal Card # Start _____. **Stop** _____. **External Card # 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 # Start _____. **Stop** _____. **External Card # Start** _____. **Stop** _____.
Special Instructions: _____.

[1] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[2] Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
[3] The external card number is placed in the bottom right-hand corner on the back of the card.
[4] For Laser Engraved external numbers, consult factory for lead times and cost.
[5] Cards are not available with any slot punch option.
[6] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

iCLASS SE Credentials

300/305 – iCLASS SE Card Ordering Guide

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

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

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
- ☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- ☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

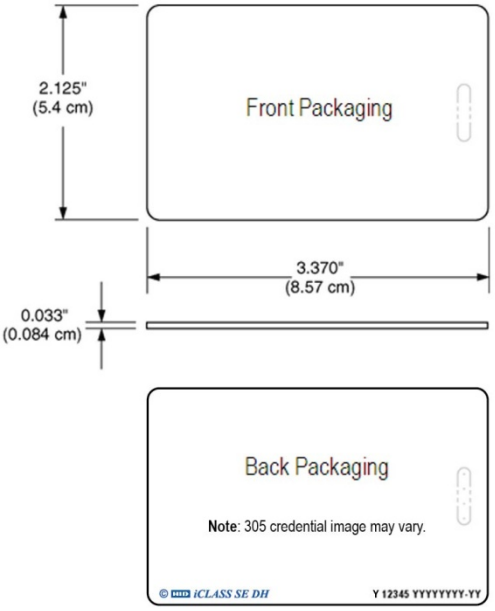
Secure Identity Object Programming
- ☒ **P -** Programmed with Security Identity Object (SIO)

Front Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

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]

Card Numbering[3] (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]

Slot Punch[5] (Check One)
- ☐ **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]



Y = iCLASS Programming
12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

Option - Custom Artwork[1]

☐ _____ *(Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork)*

Enter your final card options from check boxes above. Example: 3000PGGNN

Final Part Number		P						-	(Options #)

iCLASS Card Programming Information

Bit Numbers _____**. (example: 26 bit)** **Format Number** _____**(example: H10301)**

Facility Code _____**.**

SE Elite ICE Number (if applicable) - _____**.**

(Custom Formats) Site Code _____**. City Code** _____ **. OEM Code** _____**.**

Internal Card # Start _____**. Stop** _____**. External Card # Start** _____**. Stop** _____**.**

Special Instructions: _____ **.**

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

[2] Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

[3] The external card number is placed in the bottom right-hand corner on the back of the card.

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

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

[6] The ability to add a horizontal slot punch requires a different iCLASS antenna design. Users can expect a read range reduction of approximately 20% if they order options B or H for the Slot Punch.

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

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

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
- ☐ **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

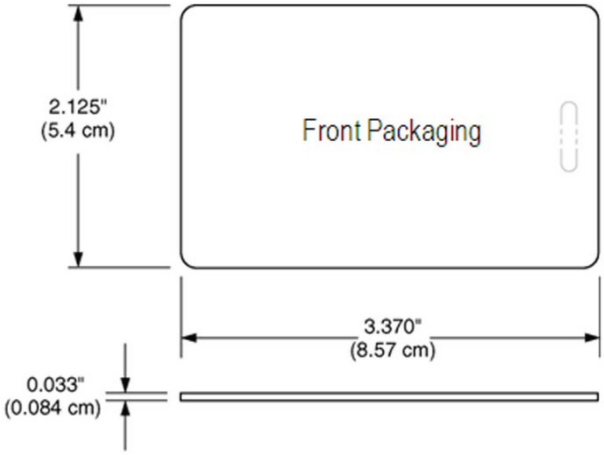
Front Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

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]

13.56 MHz iCLASS Card Numbering[3] (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]

Slot Punch[5] (Check One)
- ☐ **H** - Horizontal slot punch[7]
- ☐ **V** - Vertical Slot Punch
- ☐ **N** - No Slot Punch (This card can be slotted vertically, printed location of Vertical and Horizontal slot punch remains)
- ☐ **C** - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical and Horizontal slot punch will remain)[7]

125 kHz Card Numbering[3] (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]



Y = iCLASS Programming
12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

Option - Custom Artwork[1]

☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork*)

Enter your final card options from check boxes above. Example: 3101PGGNNN

Final Part Number		P						-	(Options #)

iCLASS Card Programming Information

Bit Numbers _____. **(example: 26 bit)** **Format Number** _____ **(example: H10301)**

Facility Code _____.

SE Elite ICE Number (if applicable) - _____.

(Custom Formats) Site Code _____. **City Code** _____. **OEM Code** _____.

Internal Card # Start _____. **Stop** _____. **External Card # 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: _____.

[1] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[2] Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
[3] The external card number is placed in the bottom right-hand corner 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.
[7] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

325 – iCLASS SE Key Ordering Guide

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

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

☒ *325 Base Model*

iCLASS Memory Size and Allocation (Check One)

☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Programming (Check One)

☒ **P** - Programmed with Security identity Object (SIO)

Front Packaging

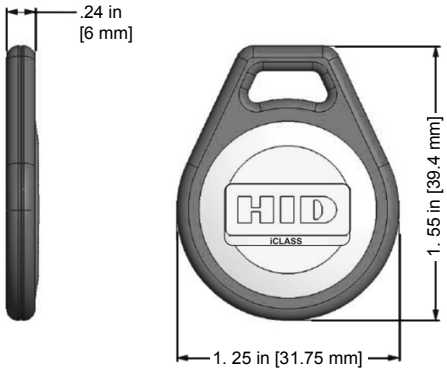
☒ **N** - iCLASS Key II - Black with blue insert. Includes HID Standard Artwork

Back Packaging

☒ **N** - None

Key Numbering

☐ **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]



Shown – Front Packaging Option N

Additional Options[3]

☒ **N** - None

Enter your final card options from the above selections. Example: 3250PNNMN

Final Part Number	325		P	N	N		N

iCLASS Key Programming Information

Bit Numbers _____. (***example: 26 bit***) **Format Number** _____ (***example: H10301***)
Facility Code _____.
SE Elite ICE Number (if applicable) - _____.
(Custom Formats) Site Code _____. **City Code** _____. **OEM Code** _____.
Internal Card # Start _____. **Stop** _____. **External Card # Start** _____. **Stop** _____.
Special Instructions: _____.

[1] The external key number is placed on the back of the key.
[2] For Laser Engraved external numbers, consult factory for lead times and cost.
[3] Key Ring sold separately (Part Number: 57-0001-02).
[4] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

330 – iCLASS SE Tag Ordering Guide

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

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

☒ *330 Base Model*

iCLASS Memory Size and Allocation (Check One)

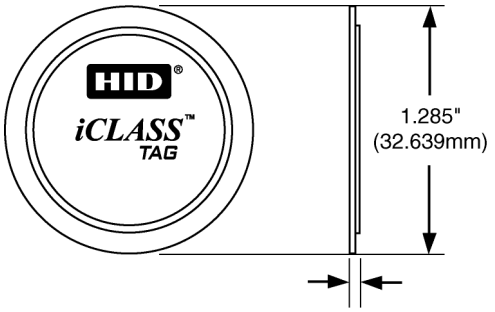
☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Programming (Check One)

☒ **P** - Programmed iCLASS. Specify Programming Information.

Front Packaging (Check One)

☐ **S** - Gray with HID Standard Artwork
☐ **K** - Black with HID Standard Artwork
☐ **C** - Custom Artwork – Specify Custom Artwork Number[2]



Front Packaging

Back Packaging

☒ **S** - Adhesive Backing

Tag Numbering[1](Check One)

☐ **M** - Sequential Matching Internal/External (Inkjetted)[4]
☐ **N** - No External Tag Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)[4]
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)[4]

Slot Punch

☒ **N** - None

Option - Custom Artwork[1]

☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork*)

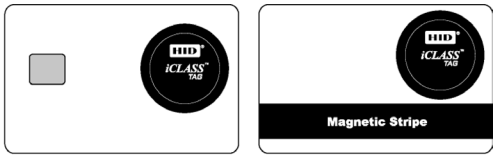
Enter your final Tag options from check boxes above. Example: 3302PSSNN

Final Part Number	330		P		S		N	-	(Options #)

iCLASS Tag Programming Information

Bit Numbers _____. (***example: 26 bit***) **Format Number** _____ (***example: H10301***)
Facility Code _____.
SE Elite ICE Number (if applicable) - _____.
(Custom Formats) Site Code _____. **City Code** _____. **OEM Code** _____.
Internal Card # Start _____. **Stop** _____. **External Card # Start** _____. **Stop** _____.
Special Instructions: _____.

[1] The external tag number is placed on the back of the tag.
[2] For new artwork files, contact Customer Service for custom artwork number, lead-times, minimum order quantities, and cost.
[3] The iCLASS Tag is not for use on cards that use full insertion or tractor feed type readers.
[4] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.



Contact Smart Chip | Magnetic Swipe card

Do not adhere to metal surfaces. Metal shields the RF, making the tag inoperable. Due to variations in cards and reading devices, HID does not claim that the iCLASS Tag will work in every situation. Functional and non-functional iCLASS Tags are available for compatibility testing with existing credential and reader technologies. Compatibility should be confirmed prior to ordering.

335 - iCLASS SE Clamshell Card Ordering Guide

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

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

☒ *335 Base Model*

iCLASS Memory Size and Allocation (Check One)

- ☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
- ☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- ☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Secure Identity Object Programming

- ☒ **P** - Programmed with Security Identity Object (SIO)

Front Packaging (Check One)

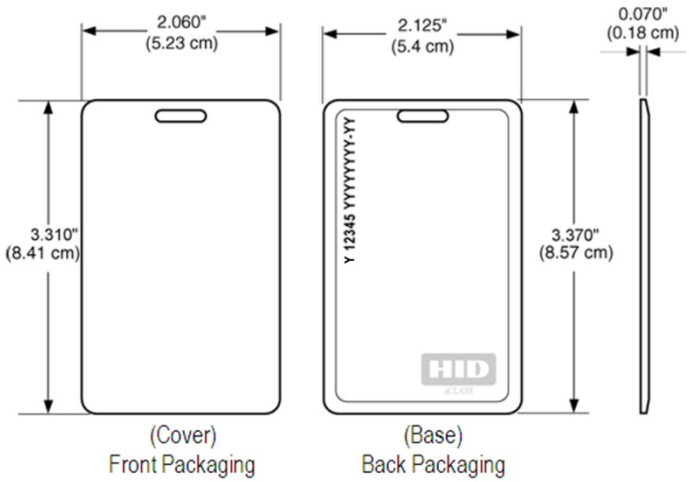
- ☐ **M** - Plain White Vinyl with Matte Finish
- ☐ **G** - Plain White with Gloss Finish
- ☐ **A** - iCLASS Clamshell - Adhesive Front[1]
- ☐ **C** - Custom Artwork - Specify Custom Artwork Number[2]

Back Packaging (Check One)

- ☐ **S** - Base with Molded HID Logo
- ☐ **C** - Custom Artwork - Specify Custom Artwork Number[2]

Card Numbering[3] (Check One)

- ☐ **M** - Sequential Matching Internal/External (Inkjetted)[4]
- ☐ **N** - No External Card Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)[4]
- ☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)[4]



Y = iCLASS Programming
12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

Slot Punch[5] (Check One)

- ☒ **V** - Vertical Slot Punch

Option - Custom Artwork[2]

- ☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new Artwork*)

Enter your final card options from check boxes above. Example: 3350PMSMV

Final Part Number	335		P				V	-	(Options #)

iCLASS Card Programming Information

Bit Numbers _____. **(example: 26 bit)** **Format Number** _____ **(example: H10301)**
Facility Code _____.
SE Elite ICE Number (if applicable) _____.
(Custom Formats) Site Code _____. **City Code** _____. **OEM Code** _____.
Internal Card # Start _____. **Stop** _____. **External Card # Start** _____. **Stop** _____.
Special Instructions: _____.

[1] The part numbers for non-adhesive labels to be used with the iCLASS Clamshell with the adhesive front are 1324GGN31 without slot and 1324GGV31 with slot.
[2] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[3] The external card number is placed in the top left-hand corner on the back of the card. HID logo molded into base on back.
[4] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

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

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

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

Base Model ☐ *390 Standard PVC* ☐ *391 Composite 40% Polyester / PVC **

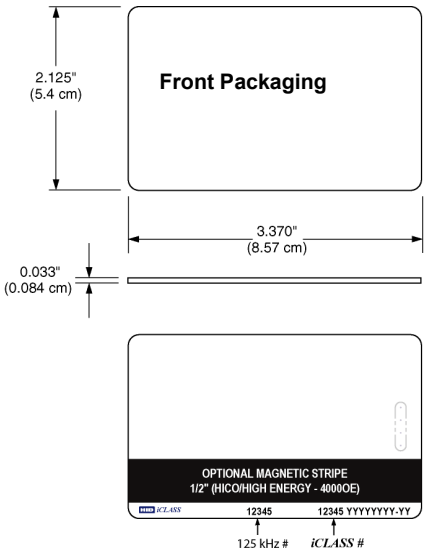
iCLASS Memory Size and Allocation (Check One)
- ☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas **(only available with MIFARE CLASSIC 1K)**
- ☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- ☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Card Programming (Check One)
- ☐ **R** - SIO Programmed iCLASS & 2nd Technology. Specify Programming Information –
- ☐ **P** - Programmed iCLASS with SIO only not 2nd Technology. Specify Programming Information.
- ☐ **A** - Configured, Non-Programmed iCLASS, SIO Programmed 2nd Technology. Specify Programming Information.

2nd High Frequency Technology (Check One)
- ☐ **M** - MIFARE 1K Bytes **(only available with iCLASS 2k bits)**
- ☐ **N** - MIFARE 4K Bytes
- ☐ **K -** DESFire EV1 8K Bytes

Front Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

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]



iCLASS Card Numbering[3] (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]

12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

Slot Punch[5] (Check One)

IMPORTANT – *Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip.*
- ☒ **N** - No Slot Punch

2nd High Frequency Technology Card Numbering[3] (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]

Option - Custom Artwork[1]
- ☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork*)

Enter your final card options from the above selections. Example: 3904RNGCMNM

Final Part Number								N		-	(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 _____ .
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: _____ .

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

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

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

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

Base Model ☐ *395 Standard PVC* ☐ *396 Composite 40% Polyester / PVC **

iCLASS Memory Size and Allocation (Check One)
- ☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE CLASSIC 1K)
- ☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- ☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

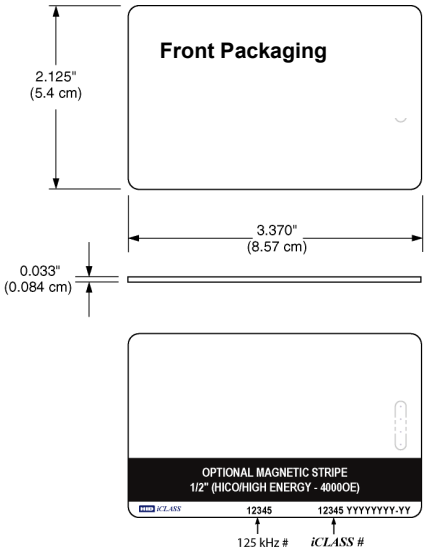
13.56 MHz Technology Card Programming (Check One)
- ☐ **R** - SIO Programmed iCLASS & 2nd Technology. Specify Programming Information
- ☐ **P** - Programmed iCLASS with SIO only not 2nd Technology. Specify Programming Information.
- ☐ **A** - Configured, Non-Programmed iCLASS, SIO Programmed 2nd Technology. Specify Programming Information.

2nd 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 Information
- ☐ **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 Number[1]

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]



12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

iCLASS Card Numbering[3] (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]

Slot Punch[5] (Check One)

IMPORTANT – *Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip.*

- ☒ **N** - No Slot Punch

2nd 13.56 MHz Card Numbering[3] (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]

125 kHz Card Numbering[3] (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]

Option - Custom Artwork[1]

☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork*)

Enter your final card options from the above selections. Example: 3964PNPGGNNM

Final Part Number								**N**				**-**	**(Options #)**

iCLASS Programming Information

Bit Numbers _____. (*example: 26 bit)*
Format Number _____ (*example: H10301*)
Facility Code _____.
SE Elite ICE Number (if applicable) - _____
(Custom Formats) Site Code _____. City Code _____.
OEM Code _____.
Internal Card No. Start _____. Stop _____.
External Card No. Start _____. Stop _____.

2nd 13.56 MHz Programming Information

Bit Numbers _____. (*example: 26 bit)*
Format Number _____ (*example: H10301*)
Facility Code _____.
SE Elite ICE Number (if applicable) - _____
(Custom Formats) Site Code _____. City Code _____.
OEM Code _____.
Internal Card No. Start _____. Stop _____.
External Card No. Start _____. Stop _____.

125 kHz Programming Information

Bit Numbers _____. (*example: 26 bit)*
Format Number _____ (*example: H10301*)
Facility Code _____.
SE Elite ICE Number (if applicable) - _____
(Custom Formats) Site Code _____. City Code _____.
OEM Code _____.
Internal Card No. Start _____. Stop _____.
External Card No. Start _____. Stop _____.

[1] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[2] Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
[3] The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.
[4] For Laser Engraved external numbers, consult factory for lead times and cost.
[5] Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.
[6] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

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 Composite 40% Polyester / PVC**

iCLASS Memory Size and Allocation (Check One)
- ☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
- ☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- ☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Secure Identity Object Programming
- ☒ **H** - Programmed with Security Identity Object (SIO)

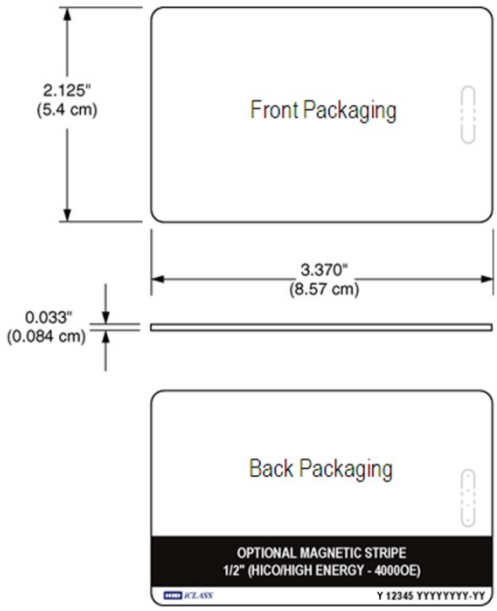
Standard Programming
- ☒ **P** - Programmed with standard iCLASS Access Control Application

Front Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

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]

Card Numbering[3] (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]

Slot Punch[5] (Check One)
- ☐ **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]



Y = iCLASS Programming
12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

Option - Custom Artwork[1]
☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork*)

Enter your final card options from check boxes above. Example: 2001HPGGNN

Final Part Number			H	P					-	(Options #)

iCLASS Card Programming Information

Bit Numbers _____. (example: 26 bit)
Format Number _____ (example: H10301)
Facility Code _____.
SE Elite ICE Number (if applicable) - _____.
(Custom Formats) Site Code _____. City Code _____. OEM Code _____.
Internal Card # Start _____. Stop _____. External Card # Start _____. Stop _____.
Special Instructions: _____.

[1] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[2] Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
[3] The external card number is placed in the bottom right-hand corner 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.
[7] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

202/212 - iCLASS SR + Prox Ordering Guide

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

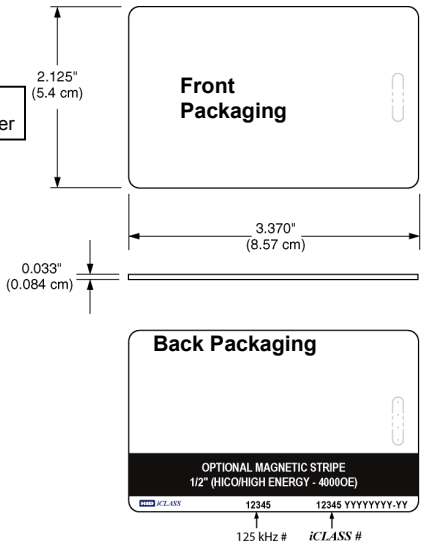
Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model ☐ *202 Standard PVC* ☐ *212 Composite 40% Polyester / PVC **

iCLASS Memory Size and Allocation (Check One)

- ☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
- ☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- ☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number



Secure Identity Object Programming

- ☒ **H** - Programmed with Security Identity Object (SIO)

iCLASS Programming (Check One)

- ☐ **P** - Programmed iCLASS only and Prox initialized. Specify Programming Information.
- ☐ **B** - Programmed 125 kHz Proximity and iCLASS. Specify Programming Information.

Front Packaging (Check One)

- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

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]

iCLASS Card Numbering[3] (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]

Slot Punch[5] (Check One)

- ☐ **H** - Horizontal Slot Punch[6]
- ☐ **V** - Vertical Slot Punch
- ☐ **N** - No Slot Punch (This card can be slotted vertically (Printed location of Vertical and Horizontal slot punch will remain)
- ☐ **C** - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical and Horizontal slot punch will remain)[6]

125 kHz Card Numbering[3] (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]

Option - Custom Artwork[1]

☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork*)

Enter your final card options from the above selections. Example: 2022HPGGNNN

Final Part Number			H						-	(Options #)

iCLASS Programming Information

Bit Numbers _____. (*example: 26 bit*)
Format Number _____ (*example: H10301*)
Facility Code _____.
SE Elite ICE Number (if applicable) - _____.
(Custom Formats) Site Code _____. City Code _____.
OEM Code _____.
Internal Card No. Start _____. Stop _____.
External Card No. Start _____. Stop _____.

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

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

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 (Check One)

☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Secure Identity Object Programming

☒ **H** - Programmed with Security Identity Object (SIO)

Front Packaging

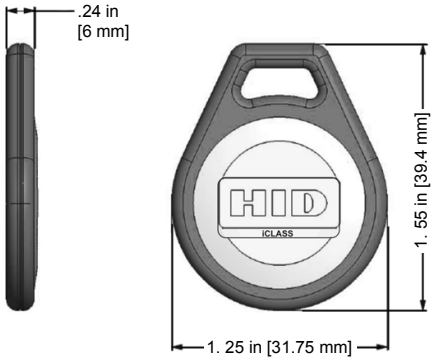
☒ **N** - iCLASS Key II - Black with blue insert. Includes HID Standard Artwork

Back Packaging

☒ **N** - None

Key Numbering[1]

☐ **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]



Shown – Front Packaging Option N

Additional Options[3]

☒ **N** - None

Enter your final card options from the above selections. Example: 2052HNNMN

Final Part Number	205		H	N	N		N

iCLASS Key Programming Information

Bit Numbers _____. (*example: 26 bit)* **Format Number _____ (*example: H10301*)**
Facility Code _____.
SE Elite ICE Number (if applicable) - _____.
(Custom Formats) Site Code _____. City Code _____. OEM Code _____.
Internal Card # Start _____. Stop _____. External Card # Start _____. Stop _____.
Special Instructions: _____.

[1] The external key number is placed on the back of the key.
[2] For Laser Engraved external numbers, consult factory for lead times and cost.
[3] Key Ring sold separately (Part Number: 57-0001-02) .
[4] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

206 – iCLASS SR Tag Ordering Guide

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

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

☒ *206 Base Model*

iCLASS Memory Size and Allocation (Check One)
- ☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
- ☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- ☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Secure Identity Object Programming
- ☒ **H** - Programmed with Security Identity Object (SIO)

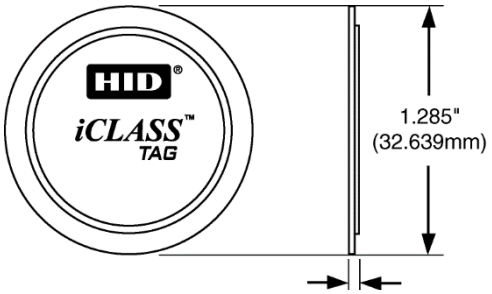
Front Packaging (Check One)
- ☐ **S** - Gray with HID Standard Artwork
- ☐ **K** - Black with HID Standard Artwork
- ☐ **C** - Custom Artwork – Specify Custom Artwork Number[2]

Back Packaging
- ☒ **S** - Adhesive Backing

Tag Numbering[1](Check One)
- ☐ **M** - Sequential Matching Internal/External (Inkjetted)[4]
- ☐ **N** - No External Tag Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)[4]
- ☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)[4]

Slot Punch
- ☒ **N** - None

Option - Custom Artwork[1]
- ☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork*)



Front Packaging

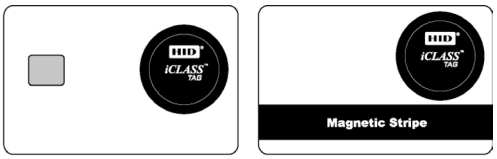
Enter your final Tag options from check boxes above. Example: 2062CSSNN

Final Part Number	206		H		S		N	-	(Options #)

iCLASS Tag Programming Information

Bit Numbers _____ . (*example: 26 bit)* **Format Number _____ (*example: H10301*)**
Facility Code _____.
SE Elite ICE Number (if applicable) - _____.
(Custom Formats) Site Code _____. City Code _____. OEM Code _____.
Internal Card # Start _____. Stop _____. External Card # Start _____. Stop _____.
Special Instructions: _____.

[1] The external tag number is placed on the back of the tag.
[2] For new artwork files, contact Customer Service for custom artwork number, lead-times, minimum order quantities, and cost.
[3] The iCLASS Tag is not for use on cards that use full insertion or tractor feed type readers.
[4] Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.



Contact Smart Chip Magnetic Swipe card

Do not adhere to metal surfaces. Metal shields the RF, making the tag inoperable. Due to variations in cards and reading devices, HID does not 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.

208 - iCLASS SR Clamshell Card Ordering Guide

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

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

☒ *208 Base Model*

iCLASS Memory Size and Allocation (Check One)

☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/

Secure Identity Object Programming

☒ **H** - Programmed with Security Identity Object (SIO)

Standard Programming

☒ **P** - Programmed with standard iCLASS Access Control Application.

Front Packaging (Check One)

☐ **M** - Plain White Vinyl with Matte Finish
☐ **G** - Plain White with Gloss Finish
☐ **A** - iCLASS Clamshell - Adhesive Front[1]
☐ **C** - Custom Artwork - Specify Custom Artwork Number[2]

Back Packaging (Check One)

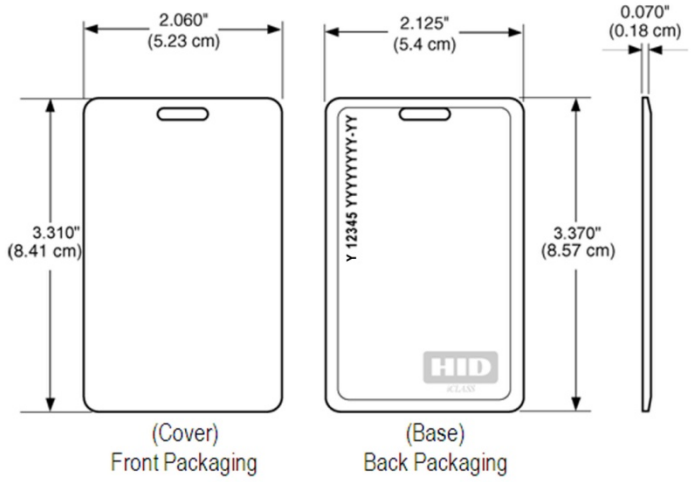
☐ **S** - Base with Molded HID Logo
☐ **C** - Custom Artwork - Specify Custom Artwork Number[2]

Card Numbering[3] (Check One)

☐ **M** - Sequential Matching Internal/External (Inkjetted)[4]
☐ **N** - No External Card Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)[4]
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)[4]

Slot Punch[5] (Check One)

☒ **V** - Vertical Slot Punch



Y = iCLASS Programming
12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

Option - Custom Artwork[2]

☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new Artwork*)

Enter your final card options from check boxes above. Example: 2080HPGSMV

Final Part Number	208		H	P				V	-	(Options #)

iCLASS Card Programming Information

Bit Numbers _____. (example: 26 bit) **Format Number _____ (example: H10301)**
Facility Code _____.
SE Elite ICE Number (if applicable) _____.
(Custom Formats) Site Code _____. City Code _____. OEM Code _____.
Internal Card # Start _____. Stop _____. External Card # Start _____. Stop _____.
Special Instructions: _____.

[1] The part numbers for non-adhesive labels to be used with the iCLASS Clamshell with the adhesive front are 1324GGN31 without slot and 1324GGV31 with slot.
[2] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[3] The external card number is placed in the top left-hand corner on the back of the card. HID logo molded into base on back.
[4] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

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

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

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

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

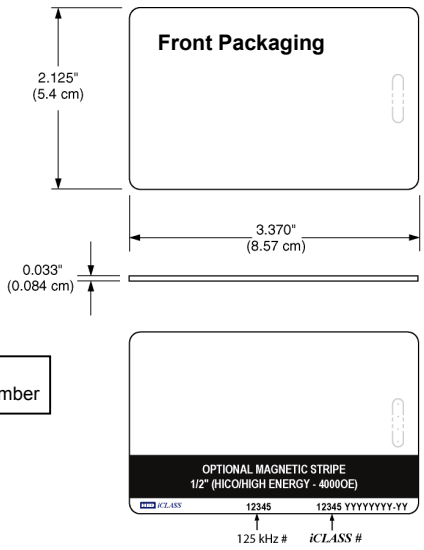
Base Model ☐ *232 Standard PVC* ☐ *242 Composite 40% Polyester / PVC **

iCLASS Memory Size and Allocation (Check One)
- ☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE Classic 1K)
- ☐ **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
- ☐ **H** - Programmed with Security Identity Object (SIO) for iCLASS only
- ☐ **I** - Programmed with SIO Identity Object (SIO) for 2nd technology only
- ☐ **J** - Programmed with SIO Identity Object (SIO) iCLASS and 2nd technology

2nd High Frequency Technology (Check One)
- ☐ **M** - MIFARE 1K Bytes **(only available with iCLASS 2k bits)**
- ☐ **N** - MIFARE 4K Bytes
- ☐ **K** - DESFire EV1 8K Bytes

12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number



Front Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

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]

iCLASS Card Numbering[3] (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)[6]
- ☐ **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 punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip.*

- ☒ **N** - No Slot Punch

2nd High Frequency Technology Card Numbering[3] (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]

Option - Custom Artwork[1]
- ☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork*)

Enter your final card options from the above selections. Example: 2324HNGGNNN

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

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

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

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

Base Model ☐ *252 Standard PVC* ☐ *262 Composite 40% Polyester / PVC **

iCLASS Memory Size and Allocation (Check One)
- ☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- ☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k

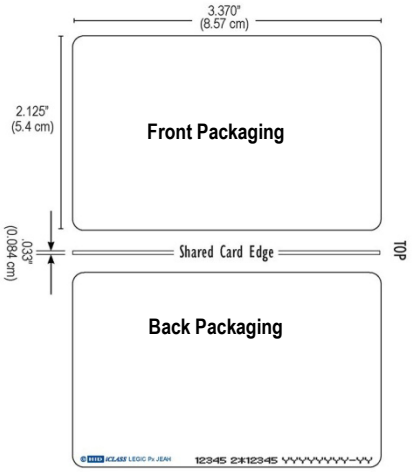
Secure Identity Object Programming
- ☒ **H** - Programmed with Security Identity Object (SIO) for iCLASS only

2nd High Frequency (13.56 MHz) Technology
- ☒ **O** - LEGIC prime 1024

125 kHz Technology Card Programming (Check One)
- ☐ **P** - "HID Prox" Programmed 125 kHz Technology. Specify Programming Information.
- ☐ **C -** "Indala/Casi Prox" Programmed 125 kHz Technology. Specify Programming Information.
- ☐ **N** - Initialized 125 kHz Technology. Programming Information Not Required

Front Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish - Specify Custom Artwork Number[1]

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]



12345 = Card ID Number
YYYYYYY-YY = Sales Order Number

iCLASS Card Numbering[3] (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 (Check One)

IMPORTANT – *Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip.*

- ☒ **N** - No Slot Punch

2nd 13.56 MHz Card Numbering[3]
- ☒ **N** - No External Card Numbering

125 kHz Card Numbering[3](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]
- ☐ _____ Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork

Enter your final card options from the above selections. Example: 2524HOPGGMNNN

Final Part Number			H	O					N	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 _____.

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

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

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 choice to fulfill a completed order form.

Base Model ☐ *252 Standard PVC* ☐ *262 Composite 40% Polyester / PVC **

iCLASS Memory Size and Allocation (Check One)

☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE CLASSIC 1K)
☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/

Secure Identity Object Programming

☐ **H-** Programmed with Security Identity Object (SIO) for iCLASS SR only
☐ **I** - Programmed with SIO Identity Object only (SIO) for 2nd technology only
☐ **J** - Programmed with SIO Identity Object (SIO) iCLASS (iCLASS SR) and 2nd technology programmed with SIO only
☐ **K** - Programmed with SIO Identity Object (SIO) iCLASS (iCLASS SR) and 2nd technology programmed (non SIO)

2nd 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 Information
☐ **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 Number[1]

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]

iCLASS Card Numbering[3] (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 punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip.*

☒ **N** - No Slot Punch

2nd 13.56 MHz Card Numbering[3] (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 Numbering[3] (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]

☐ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork*)

Enter your final card options from the above selections. Example: 2524HNGGNNN

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 _____.

2nd 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 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 within North America are always laser-engraved. Inkjetted option is not available for these cards.

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

UHF Credentials

600 - UHF Card Ordering Guide

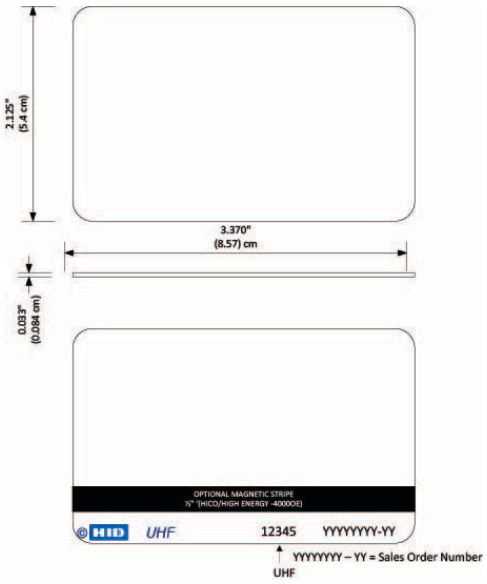
The SIO Enabled UHF (Ultra High Frequency: 860-960 MHz) contactless smart card is designed for long read range (parking, gate, healthcare…) while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element.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

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

Base Model ☐ *600 Composite 40% Polyester / PVC **

Secure Identity Object Programming

☒ **T** - UHF Programmed with Secure Identity Object.



Front Packaging (Check One)

☐ **G** - Plain White with Gloss Finish
☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

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]

UHF Card Numbering[3] (Check One)

☐ **N** - No External Card Numbering
☐ **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 (Check One)

☒ **N** - No Slot Punch

Option - Custom Artwork[1]

☐ _____ (Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork)

Enter your final card options from the above selections. Example: 600TGGNN

Final Part Number	600	T				N	-	(Options #)

UHF Programming Information

Bit Numbers[5]_____. (***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 UHF
[4] For Laser Engraved external numbers, consult factory for lead times and cost.
[5] Number of bits should remain below 120 bits

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

601 – UHF/iCLASS Card Ordering Guide

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

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

Base Model ☐ *601 Composite 40% Polyester / PVC **

iCLASS Memory Size and Allocation

☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Card Programming

☐ **T** - UHF Programmed with Secure Identity Object. iCLASS programmed with legacy and Secure Identity Object payloads.
☐ **H** - UHF Programmed with Secure Identity Object. iCLASS programmed with legacy payload.
☐ **S** - UHF Programmed with Secure Identity Object. iCLASS programmed with SIO.
☐ **C** - UHF Programmed with Secure Identity Object. iCLASS field encoded.

Front Packaging (Check One)

☐ **G** - Plain White with Gloss Finish
☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

Back Packaging (Check One)

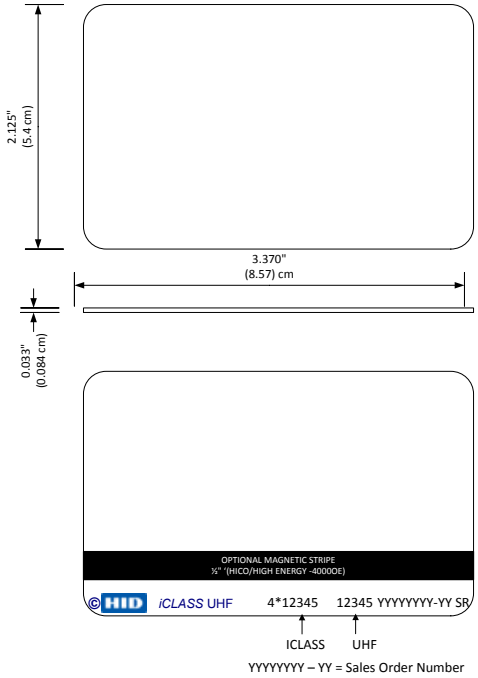
☐ **G** - Plain White with Gloss Finish[2]
☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]
☐ **1** - Plain White with Gloss Finish with Magnetic Stripe[2]
☐ **3** - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number[1]

UHF Card Numbering[3] (Check One)

☐ **N** - No External Card Numbering
☐ **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]

iCLASS Card Numbering[3] (Check One)

☐ **N** - No External Card Numbering
☐ **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 (Check One)

☒ **N** - No Slot Punch

Option - Custom Artwork[1]

☐ _____ (Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork)

Enter your final card options from the above selections. Example: 6011TGGNNN

Final Part Number	601							N	(Options #)

UHF Programming Information

Bit Numbers[5]_____. **(*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: _____.

iCLASS 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 UHF
[4] For Laser Engraved external numbers, consult factory for lead times and cost.
[5] Number of bits should remain below 120 bits

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

LEGIC Multi-technology Credentials

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

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

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

Base Model ☐ *292 Standard PVC* ☐ *295 Composite 40% Polyester / PVC **

LEGIC High Frequency Technology
☒ **O** - LEGIC prime 1024

Secure Identity Object Programming
☐ **S** - 1st technology blank, 2nd technology SIO programmed
☐ **N** - Card blank - neither technology programmed

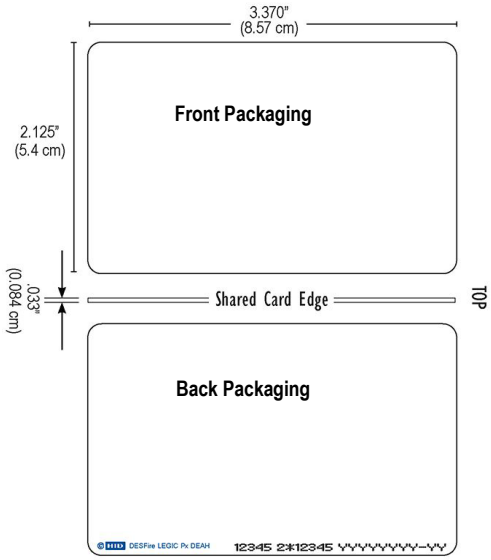
2nd High Frequency (13.56 MHz) Technology
☒ **K** - DESFire EV1 8K Bytes

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 Information
☐ **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 Number[1]

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]

LEGIC Card Numbering[3]
☒ **N** - No External Card Numbering



12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

Slot Punch

IMPORTANT – *Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip.*

☒ **N** - No Slot Punch

2nd 13.56 MHz Card Numbering[3](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 Numbering[3](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]
☐ _____ Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork.

Enter your final card options from the above selections. Example: 292OSKPGGNNNN

Final Part Number		O		K				N	N			-	(Options #)

LEGIC Programming Information (no programming possible in this version)

2nd 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 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 within North America are always laser-engraved. Inkjetted option is not available for these cards.

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

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 Standard PVC* ☐ *296 Composite 40% Polyester / PVC **

LEGIC High Frequency Technology
☒ **O** - LEGIC prime 1024

Secure Identity Object Programming
☐ **S** - 1st technology blank, 2nd technology SIO programmed
☐ **N** - Card blank - neither technology configured or programmed

2nd High Frequency (13.56 MHz) Technology
☒ **K** – MIFARE DESFire EV1 8K Bytes

Front Packaging (Check One)
☐ **G** - Plain White with Gloss Finish
☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

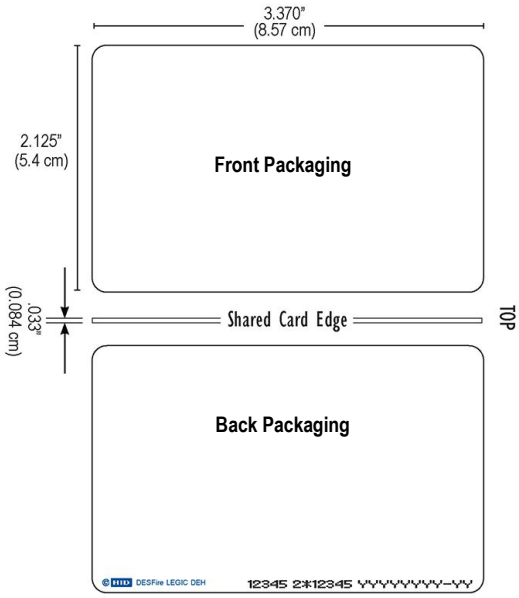
Back Packaging (Check One)
☐ **G** - Plain White with Gloss Finish[2]
☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]
☐ **1** - Plain White with Gloss Finish with Magnetic Stripe[2]
☐ **3** - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number[1]

LEGIC Card Numbering[3]
☒ **N** - No External Card Numbering

Slot Punch

IMPORTANT – *Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip.*

☒ **N** - No Slot Punch



12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

2nd High Frequency Technology Card Numbering[3](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]
☐ _____ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork)

Enter your final card options from the above selections. Example: 293OSKGGNNN

Final Part Number		O		K			N	N		-	(Options #)

LEGIC Programming Information (no programming possible in this version)

2nd 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: _____.

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

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) Standard PVC*
- ☐ *3450 (1K) Composite 40% Polyester / PVC **
- ☐ *3406 (4K) Standard PVC*
- ☐ *3456 (4K) Composite Polyester 40% / PVC **

Secure Identity Object Programming

☒ **P** - Programmed with Security Identity Object (SIO)

Front Packaging (Check One)

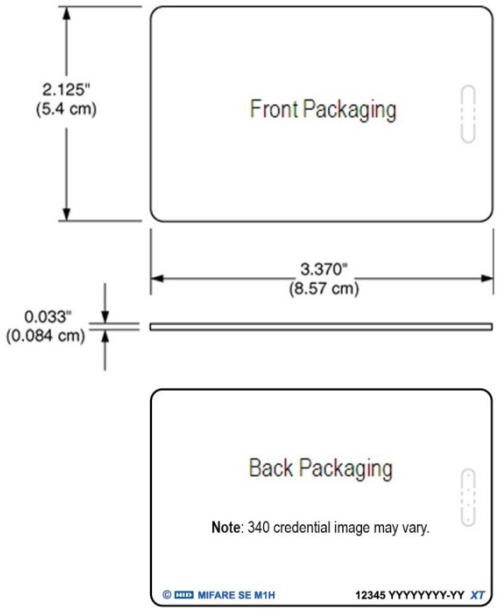
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

Back Packaging (Check One)

- ☐ **G** - Plain White with Gloss Finish[2]
- ☐ **S** - Standard HID MIFARE Artwork[2]
- ☐ **1** - Plain White with Gloss Finish with Magnetic Stripe[2]
- ☐ **2** - Standard HID MIFARE Artwork with Magnetic Stripe
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1, 2]
- ☐ **3** - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number[1, 2]

Card Numbering[3] (Check One)

- ☐ **M** - Sequential Matching Internal/External (Inkjetted)[7]
- ☐ **N** - No External Card Numbering
- ☐ **U** - UID (CSN) HEX card numbering only (Inkjetted)[7]
- ☐ **V** - UID (CSN) Decimal card numbering only (Inkjetted)[7]
- ☐ **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]
- ☐ **Z** - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)[4]



12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

Slot Punch[5] (Check One)

- ☐ **N** - No Slot Punch (Printed location of vertical slot punch will remain)
- ☐ **V** - Vertical Slot Punch
- ☐ **H** - Horizontal Slot Punch

Option - Custom Artwork[1]

☐ _____ (Specify Artwork Number – Refer to the Custom Artwork forms for new artwork)

Enter your final card options from check boxes above. Example: 3400PGGNN

Final Part Number		P				N		-	(Options #)

13.56 MHz Card Programming Information

Bit Numbers _____. **(example: 26 bit)** **Format Number** _____ **(example: H10301)**

Facility Code _____.

SE Elite ICE Number (if applicable) _____.

(Custom Formats) Site Code _____. **City Code** _____. **OEM Code** _____.

Internal Card No. Start _____. **Stop** _____.

External Card No. Start _____. **Stop** _____.

Special Instructions: _____.

For Contact Smart Chip selection, refer to Logical Access How to Order Guide. Standard configuration does not include a contact smart chip module.

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

[2] Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

[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).

[5] Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.

[6] Includes a permanent Unique MIFARE 32 Bit Serial number.

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

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

350/355 - MIFARE Classic + Prox Card Ordering Guide

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

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

Base Models

- ☐ *3500 (1K) Standard PVC*
- ☐ *3506 (4K) Standard PVC*
- ☐ *3550 (1K) Composite 40% Polyester / PVC **
- ☐ *3556 (4K) Composite Polyester 40% / PVC **

Programming (Check One)

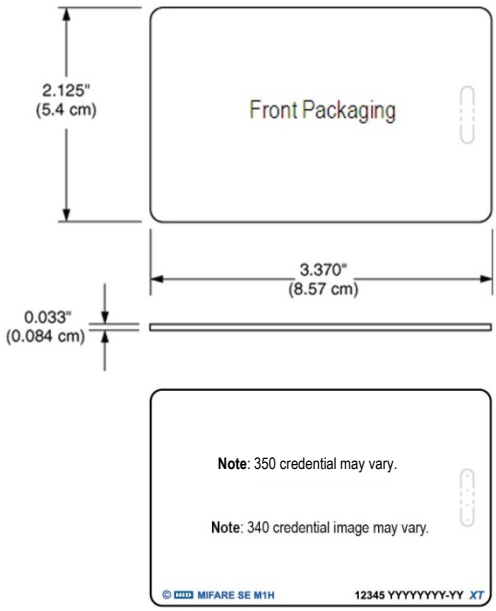
- ☐ **P** - Programmed with Security Identity Object (SIO) for MIFARE, Prox non-programmed
- ☐ **R** - Both interfaces programmed (MIFARE with Security Identity Object (SIO), Prox programmed with HID format)

Front Packaging (Check One)

- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

Back Packaging (Check One)

- ☐ **G** - Plain White with Gloss Finish[2]
- ☐ **S** - Standard HID MIFARE Artwork[2]
- ☐ **1** - Plain White with Gloss Finish with Magnetic Stripe[2]
- ☐ **2** - Standard HID MIFARE Artwork with Magnetic Stripe
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1, 2]
- ☐ **3** - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number[1, 2]



13.56 MHz MIFARE Card Numbering[3] (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]

Slot Punch

- ☐ **N** - No Slot Punch (Printed location of vertical slot punch will remain)
- ☐ **V** - Vertical Slot Punch

125 kHz Prox Card Numbering[3] (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]

☐ _____ (Specify Artwork Number – Refer to the Custom Artwork forms for new artwork)

Enter your final card options from check boxes above. Example: 3506PGGMNS

Final Part Number						N			-	(Options #)

13.56 MHz Card Programming Information

Bit Numbers _____. (example: 26 bit)
Format Number _____ (example: H10301)
Facility Code _____.
SE Elite ICE Number (if applicable) _____
(Custom Formats) Site Code _____. City Code _____. OEM Code _____.
Internal Card No. Start _____. Stop _____.
External Card No. Start _____. Stop _____.
Special Instructions: _____.

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 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).
[5] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
* The composite construction is recommended for all cards with over-laminate applied.

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 ☐ *3700 Standard PVC* ☐ *3750 Composite 40% Polyester / PVC **

DESFire EV1 Memory Size

☒ **C** - 8K Bytes DESFire EV1

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 Number[1]

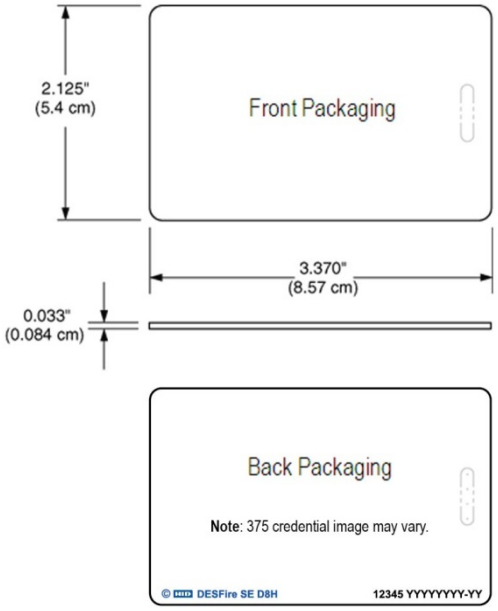
Back Packaging (Check One)

☐ **G** - Plain White with Gloss Finish[2]

☐ **1** - Plain White with Gloss Finish with Magnetic Stripe[2]

☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1, 2]

☐ **3** - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number[1, 2]



Card Numbering[3] (Check One)

☐ **M** - Sequential Matching Internal/External (Inkjetted)[5]

☐ **N** - No External Card Numbering

☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)[5]

☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)[5]

☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]

☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]

☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

☐ **Z** - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)[4]

Slot Punch

☐ **N** - No Slot Punch

☐ **V** - Vertical Slot Punch

☐ **H** - Horizontal Slot Punch

Option - Custom Artwork[1]

☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork Forms for new Artwork*)

Enter your final card options from check boxes above. Example: 3750CPGGNN

Final Part Number		C	P				N	-	(Options #)

13.56 MHz Card Programming Information

Bit Numbers _____. (example: 26 bit)

Format Number _____ (example: H10301)

Facility Code _____.

SE Elite ICE Number (if applicable) _____

(Custom Formats) Site Code _____. City Code _____. OEM Code _____.

Internal Card No. Start _____. Stop _____.

External Card No. Start _____. Stop _____.

Special Instructions: _____.

For Contact Smart Chip selection, refer to Logical Access How to Order Guide. Standard configuration does not include a contact smart chip module.

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

[2] Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

[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 within North America are always laser-engraved. Inkjetted option is not available for these cards.

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

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

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

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

Base Model ☐ *3800 Standard PVC* ☐ *3850 Composite 40% Polyester / PVC **

DESFire EV1 Memory Size

☒ **C** - 8K Bytes DESFire EV1

Programming (Check One)

☐ **P** - Programmed with Security Identity Object (SIO) for DESFire, Prox non-programmed
☐ **R** - Both interfaces programmed (DESFire with Security Identity Object (SIO), Prox programmed with HID format)

Front Packaging (Check One)

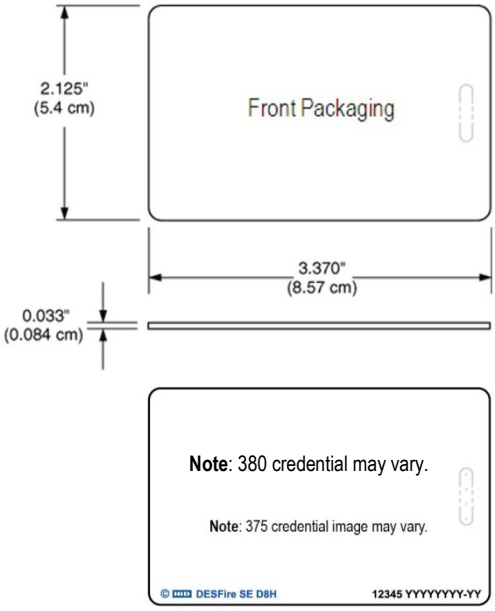
☐ **G** - Plain White with Gloss Finish
☐ **C** - Custom Artwork with Gloss Finish - Specify Custom Artwork Number[1]

Back Packaging (Check One)

☐ **G** - Plain White with Gloss Finish[2]
☐ **1** - Plain White with Gloss Finish with Magnetic Stripe[2]
☐ **C** - Custom Artwork with Gloss Finish - Specify Custom Artwork Number[1, 2]
☐ **3** - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number[1, 2]

13.56 MHz DESFire Card Numbering[3] (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]



12345 = Card ID Number
YYYYYYYY-YY = 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 Numbering[3]

☐ **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]

☐ _____ (*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		C					N		-	(Options #)

13.56 MHz Card Programming Information

Bit Numbers _____. (example: 26 bit)
Format Number _____ (example: H10301)
Facility Code _____.
SE Elite ICE Number (if applicable) _____
(Custom Formats) Site Code _____. City Code _____. OEM Code _____.
Internal Card No. Start _____. Stop _____.
External Card No. Start _____. Stop _____.
Special Instructions: _____.

125 kHz Card Programming Information

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

For Contact Smart Chip selection, refer to Logical Access How to Order Guide. Standard configuration does not include a contact smart chip module.

[1] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[2] Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
[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.
[5] Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
* The composite construction is recommended for all cards with over-laminate applied.

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.

Description	Part Number								
	Base Part No.	125 kHz Interpreters[1]	13.56 MHz Interpreters[2]	Controller Communications	Controller Hardware Connection	Product Version	Color	Security[3]	Configuration Settings[4]
iCLASS SE R10 & multiCLASS SE RP10 Mini-Mullion Reader	900	N = No Prox P = HID Prox, AWID and EM4102 L = Indala Prox	T = SIO and Seos with Legacy N = SIO and Seos W = Custom Programming SIO, Seos and Legacy (HF Migration) R = FeliCa™ and CEPAS	N = Wiegand C = Clock-and-Data P = OSDP using RS-485 Half Duplex	N = Pigtail (18") L = Long Pigtail (6')[5] T = Terminal Strip	E	K = Black	0 = Standard-1 2 = Standard-2 E = Elite	0000 = Standard XXXX = Specific
iCLASS SE R15 & multiCLASS SE RP15 Mullion Reader	910								
iCLASS SE R40 & multiCLASS SE RP40 Wall Switch Reader	920								
iCLASS SE RK40 & multiCLASS SE RPK40 Wall Switch Keypad Reader	921								
iCLASS SE R90 Extended Range Reader	940	N = No Prox			T = Terminal Strip				

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

[2] 13.56 MHz Interpreters
T = Recommended ONLY for Maximum Compatibility with legacy iCLASS installations - Supports Secure Identity Object (SIO), Seos, standard iCLASS HID Access Control Application, MIFARE CSN, and MIFARE DESFire CSN. Compatible with the following credentials: iCLASS Seos, iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic, SE for MIFARE DESFire EV1 and MIFARE-CSN. Use 0 or E for security options.
N = Recommended for Maximum Security – Supports Secure Identity Object (SIO) including Seos .. providing the maximum security data model for physical access control. Compatible only with iCLASS Seos and iCLASS SE credentials. Use 2 or E for security options.3
W = For custom programming options, consult your regional technical support representative. Custom programming configurations support up to two (2) of the following: MIFARE Classic, MIFARE DESFire EV1 (including DESFire 0.6 backward compatible configurations). Additionally readers support ISO14443A CSN
R = Readers with FeliCa and CEPAS have the ability to read FeliCa ID and CEPAS CAN or CSN. By default SIO and Seos with Legacy is enabled. Not available on 9xxL or 940N part numbers.

[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 Seos, 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, LED normally Red + Reader beeps / flashes LED green on card read + Keypad Output is 4-bit (if keypad reader). **ANY other option selected requires a specific configuration EXTENSION.** To order non-standard configuration options, use the following "Select" tab on the iCLASS SE Configuration spreadsheet at the following link https://www.hidglobal.com/node/19914. Your HID Global Support or Sales representative can help you determine your final configuration.

[5] Long pigtail only available on RP10 Indala (900L) and RPK40 Indala (921L).

iCLASS SE & multiCLASS Readers - Quick Reference Part Numbers

Class	Sub Class	Prox/No Prox	13.56 MHz (HF) interpreter	Controller Connection	Color	Pigtail/ Terminal	Keys	LED	LED	Buzzer	Read	Power Mgmt	Keypad	Part number
iCLASS SE	R10	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NTNNEK00000
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NTNTEK00000
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NNNNEK2037P
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900NNNTEK2037P
	R15	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910NTNNEK00000
		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
	R40	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920NTNNEK00000
		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
	RK40	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
		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
	R90	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		940NTNTEK00000
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		940NNNTEK2037P
multiCLASS SE	RP10	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PTNNEK00000
		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
	RP15	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PTNNEK00000
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		910PTNTEK00000
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	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
	RP40	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PTNNEK00000
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PTNTEK00000
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PNNNEK2037Q
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		920PNNTEK2037Q
	RPK40	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
		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 & multiCLASS SE Readers – Seos Profile

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

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

[1] 125 kHz Support:
N = No Prox - no 125kHz Prox credential support.
P = HID Prox - Adds support for HID Prox 125kHz credentials.

[2] Security:
2 = Standard Security – Compatible with any standard key Seos credentials. Will not read any Seos credential with unique keys such as Elite.
E = Elite – Compatible with Elite™ Seos credentials with matching Elite keys. Will not read any Seos credential with standard keys. Line item on PO requires ICE reference number.

[3] Configuration:
All Seos Profile readers ship with the following standard configuration: LED normally Red + Reader beeps / flashes LED Green on card read + Keypad Output is 4-bit (if keypad reader). Non-standard configuration can be applied at time of installation using the configuration card accessories listed below:

Config Card Number	Description
SE-SEOS-2-CRD0	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - all cards (21 cards)
SE-SEOS-E-CRD0	iCLASS SE Seos Profile readers configuration config cards - Elite keys - all cards (21 cards)
SE-SEOS-2-CRD1	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Seos and prox settings (4 cards)
SE-SEOS-2-CRD2	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Panel output settings (3 cards)
SE-SEOS-2-CRD3	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Audio visual settings (13 cards)
SE-SEOS-2-CRD4	iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - keypad format settings (4 cards)
SE-SEOS-E-CRD1	iCLASS SE Seos Profile readers configuration config cards - Elite keys - Seos and prox settings (4 cards)
SE-SEOS-E-CRD2	iCLASS SE Seos Profile readers configuration config cards - Elite keys - Panel output settings (3 cards)
SE-SEOS-E-CRD3	iCLASS SE Seos Profile readers configuration config cards - Elite keys - Audio visual settings (13 cards)
SE-SEOS-E-CRD4	iCLASS SE Seos Profile readers configuration config cards - Elite keys - keypad format settings (4 cards)

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

iCLASS SE & multiCLASS SE Magnetic Stripe Readers

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

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

Description	Part Number								
	Base Part No.	125 kHz Interpreters[1]	13.56 MHz Interpreters[2]	Controller Communications	Controller Hardware Connection	Product Version	Color	Security[3]	Configuration Settings[4]
iCLASS SE RM40 & multiCLASS SE RMP40 Wall Switch Reader w/ Magnetic Stripe	922	N = No Prox P = HID Prox, AWID and EM4102	T = SIO and Seos with Legacy N = SIO and Seos W = Custom Programming	N = Wiegand C = Clock-and-Data P = OSDP using RS-485 Half Duplex	N = Pigtail (18") T = Terminal Strip	E	K = Black	0 = Standard-1 2 = Standard-2 E = Elite	XXXX = Configuration
iCLASS SE RMK40 & multiCLASS SE RMPK40 Wall Switch Keypad Reader w/ Magnetic Stripe	925								

[1]125 kHz Prox Interpreters:
Order N for only high frequency 13.56 MHz technology (such as iCLASS Seos, iCLASS SE, iCLASS SR, standard iCLASS, SIO for MIFARE Classic, SIO for MIFARE DESFire EV1).
Order P to add support for 125kHz technology (such as HID Prox, AWID, and EM4102 (32 bit). Indala credentials are not supported.

[2]13.56 MHz Interpreters
T = Recommended ONLY for Maximum Compatibility with legacy iCLASS installations - Supports Secure Identity Object (SIO), iCLASS Seos, standard iCLASS HID Access Control Application, MIFARE CSN, and MIFARE DESFire CSN. Compatible with the following credentials: iCLASS Seos, iCLASS SE, iCLASS SR, standard iCLASS, SIO for MIFARE Classic, SIO for MIFARE DESFire EV1 and MIFARE-CSN. Use 0 or E for security options.
N = Recommended for Maximum Security – Supports Secure Identity Object (SIO) including Seos .. providing the maximum security data model for physical access control. Compatible only with iCLASS Seos and iCLASS SE credentials. Use 2 or E for security options.
W = For custom programming options, consult your regional technical support representative. Custom programming configurations support up to two (2) of the following: MIFARE Classic, MIFARE DESFire EV1 (including DESFire 0.6 backward compatible configurations). Additionally readers support ISO14443A CSN.

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

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

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.

Description		Part Number								
		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	N = SIO and Seos T = SIO and Seos with Legacy W = Custom Programming SIO, Seos and Legacy (HF Migration)	N = Wiegand C = Clock-and-Data P = OSDP using RS485 Half Duplex	T = Terminal Strip	E	K = Black W= White G= Gray	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.

CLASS SE U90 – UHF Long Range Reader

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

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

Example: RDRSEU908KE0000

[2] iCLASS Security Options (Factory or Field Configurable):
0 = Standard Security (Version 1) Keyset
E = Elite reads only SE Elite™ credentials with unique matching keys. Line item on PO requires ICE reference number.

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

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

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

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

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

Description	Part Number		
	Base Part No.	Elite (E) or Standard Security (0 or 2)	Configuration Settings[1]
Reader Configuration Cards	SEC9X-CRD-	E = Elite Key[2] 0 = Standard-1 key or standard-2 key[2]	-XXXX = Specific configuration
Reconfigure reader to factory standard settings			[4]0000 = Factory configuration (Rx models) -0001 = Factory configuration (RPx models) -0002 = Factory configuration (RKx models) -0003 = Factory configuration (RPKx models)
Elite Upgrade Cards[3] Setup iCLASS SE or multiCLASS SE readers for Elite credential keys or reader admin keys	SEC9X-CRD-	E = Elite Key[4]	-P000 = Elite reader admin keys
		E = Elite Key[2]	-P001 = Elite credential keys
Elite Downgrade Cards[3] Setup iCLASS SE or multiCLASS SE readers for standard credential keys or reader admin keys	SEC9X-CRD-	E = Elite Key[2]	-P002 = Standard reader admin keys
		0 = Standard-1 key or standard-2 key	-P003 = Standard-1 credential keys -P004 = Standard-2 credential keys

[1] 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)
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.

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

[3] Elite Upgrade and Downgrade Cards
Reader admin keys and reader credential keys must both be changed to upgrade or downgrade to or from Elite. A separate card is required for reader admin keys and reader credential keys. To complete an Elite upgrade or downgrade a Reader Configuration Card with specific configuration extension may also be required to modify configuration options other than Elite keys, for example modification of125 kHz or 13.56 MHz interpreters.

[4] Keys
Specify Elite "E" based upon Elite keys **TO BE LOADED** in the reader that needs to be configured.

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	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH OFF, BZR OFF, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-0-034D	CFG CARD, SE, STD, LF CST, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH GRN, BZR OFF, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-E-034D	CFG CARD, SE, ELITE, LF CST, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH GRN, BZR OFF, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-0-034E	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 26-BIT (W/DEFAULT FC), KPF, BFFRD 1 TO 5 KEYS, PAR, USER ENTRD FC, 26-BIT MSG, IPM OFF
SEC9X-CRD-E-034E	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 26-BIT (W/DEFAULT FC), KPF, BFFRD 1 TO 5 KEYS, PAR, USER ENTRD FC, 26-BIT MSG, IPM OFF
SEC9X-CRD-0-034F	CFG CARD, SE, STD, LF STD, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR ON, OPT TAMP, OPEN COLL, CSN 34-BIT LSB, KPF, BFFRD 1 KEY, DORADO COMPL, NO PAR, 8-BIT MSG, IPM OFF
SEC9X-CRD-E-034F	CFG CARD, SE, 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 RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-E-034G	CFG CARD, SE, ELITE, LF STD, HF STD/SIO/SEOS, 485FDX, LED RED, FLSH GRN, BZR ON, OPT TAMP, OPEN COLL, CSN 32-BIT LSB, KPF, BFFRD 1 KEY, NO PAR, 4-BIT MSG, IPM OFF
SEC9X-CRD-0-034H	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR OFF, OPT TAMP, OPEN COLL, CSN 56-BIT MSB, 56-BIT BCD, IPM OFF
SEC9X-CRD-E-034H	CFG CARD, SE, ELITE, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR OFF, OPT TAMP, OPEN COLL, CSN 56-BIT MSB, 56-BIT BCD, IPM OFF
SEC9X-CRD-0-034J	CFG CARD, SE, STD, LF OFF, HF STD/SIO/SEOS, 485FDX, LED OFF, FLSH OFF, BZR ON, OPT TAMP, OPEN COLL, CSN 26-BIT (W/DEFAULT FC), KPF, BFFRD 1 KEY, PAR, 6-BIT MSG, IPM OFF
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

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	0 = Standard-1 2 = Standard-2 E = Elite	D = Rev D version E = Rev E version	XXXX

[1] Obtain the firmware bundle number after consultation with your HID support representative (support.hidglobal.com).

Accessories

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

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

IP65 Upgrade Kit

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

UHF Credential Card Holder parts

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