iCLASS SE
How to Order Guide

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www.hidglobal.com/documents/iclass_se_htog_en.pdf

To check order status go to:
www.hidglobal.com > Knowledge Center > Customer Support > Customer Order Status.

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Document History

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

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iCLASS SE Credential and Reader System Introduction

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

iCLASS SE goes beyond the traditional smart card model to introduce a more secure, standards-based, technology-independent and flexible identity data structure based on a new portable credential and virtual methodology called the Secure Identity Object™ (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 Trusted Identity Platform™ (TIP) framework creating a secure and trusted boundary in which all cryptographic keys governing system security are delivered with end-to-end privacy and integrity.

iCLASS SE Platform Overview

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

Credentials

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

Readers

- iCLASS SE
- multiCLASS SE®

Support and Accessories

- Configuration cards
- Firmware update cards

Credentials

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

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

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

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

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

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

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

Card Technology	SE Available	SR Available
iCLASS SE 2, 16. 32 kb	Yes	Yes
SIO-Enabled Technology for MIFARE DESFire EV1 8KB	Yes	No
SIO-Enabled Technology for MIFARE Classic 1K or 4KB	Yes	No

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

Credential Card Markings

Model Number	Description	External Card Designation
3000	iCLASS SE 2k	©HID iCLASS JH SE
3001 / 3002	iCLASS SE 16k	©HID iCLASS JH SE
3003 / 3004	iCLASS SE 32k	©HID iCLASS JH SE
3050	iCLASS SE 2k Composite	©HID iCLASS JH SE XT
3051 / 3052	iCLASS SE 16k Composite	©HID iCLASS JH SE XT
3053 / 3054	iCLASS SE 32k Composite	©HID iCLASS JH SE XT
3100	iCLASS SE 2k + Prox	©HID iCLASS JAH SE
3101 / 3102	iCLASS SE 16k + Prox	©HID iCLASS JAH SE
3103 / 3104	iCLASS SE 32k + Prox	©HID iCLASS JAH SE
3150	iCLASS SE 2k + Prox	©HID iCLASS JAH SE XT
3151 / 3152	iCLASS SE 16k + Prox	©HID iCLASS JAH SE XT
3153 / 3154	iCLASS SE 32k + Prox	©HID iCLASS JAH SE XT
3400	SIO-Enabled Technology for MIFARE 1K	©HID MIFARE BH SE
3406	SIO-Enabled Technology for MIFARE 4K	©HID MIFARE CH SE
3450	SIO-Enabled Technology for MIFARE 1K Composite	©HID MIFARE BH SE XT
3456	SIO-Enabled Technology for MIFARE 4K Composite	©HID MIFARE CH SE XT
3500	SIO-Enabled Technology for MIFARE 1K + Prox	©HID MIFARE BAH SE
3506	SIO-Enabled Technology for MIFARE 4K + Prox	©HID MIFARE CAH SE
3550	SIO-Enabled Technology for MIFARE 1K + Prox Composite	©HID MIFARE BAH SE XT
3556	SIO-Enabled Technology for MIFARE 4K + Prox Composite	©HID MIFARE CAH SE XT
3700	SIO-Enabled Technology for MIFARE DESFire EV1 8K	©HID DESFire DH SE
3750	SIO-Enabled Technology for MIFARE DESFire EV1 8K Composite	©HID DESFire DH SE XT
3800	SIO-Enabled Technology for MIFARE DESFire EV1 8K + Prox	©HID DESFire DAH SE
3850	SIO-Enabled Technology for MIFARE DESFire EV1 8K + Prox Composite	©HID DESFire DAH SE XT
5005	iCLASS Seos 16K Composite	©HID iCLASS Seos JH XT

iCLASS SE Readers

Interpreters:

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

- Default - All iCLASS SE and multiCLASS SE Readers.
  - **Secure Identity Object Interpreter.** Choose Secure Identity Object Interpreter for compatibility with HID's Secure Identity Object (SIO), offers highest level of security of all reader interpreters because it is based on data layer protection utilizing industry standard secure authentication and signing algorithms.
- Default for all multiCLASS SE Readers
  - **125 kHz Prox Interpreter.** for 125 kHz credentials including simultaneous support of HID Prox, Indala (ASP10022 26-bit), AWID and EM4102.
- Non-Default (security can be downgraded during order entry or in field to support)
  - **Standard iCLASS Access Control Interpreter.** For compatibility with standard iCLASS Access Control Applications on iCLASS credentials, choose 13.56 MHz Interpreter = "Standard".
  - **CSN Interpreter.** For CSNs of ISO14443A/B and ISO15693 compliant credentials, choose the CSN Interpreter.

Form Factors:

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

- **Mini-Mullion.** For a mullion mounted product, which is the smallest version, choose Mini-Mullion.
- **Mullion.** For a mullion mounted product sized the same as MiniProx, select Mullion.
- **Wall Switch.** For standard Wall Switch mount, US / EU / APAC mount choose Wall Switch.
- **Euro Square.** For standard EU / APAC 60mm mount, select Euro Square.
- **Wall Switch Keypad.** For standard wall switch mount, US / EU / APAC Keypad mount choose Wall Switch Keypad.

Panel Communication:

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

- **Wiegand**. Choose Wiegand for industry standard compatibility.
- **Clock-and-Data**. Choose Clock-and-Data for industry standard compatibility.

README – Important Guidelines

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

Logistics - Ordering Information

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

Interoperability - Important Situations

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

What should I know about security keysets?

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

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

Standard Security Keyset	Use With	Compatibility with these Credentials
Version 1	Standard 13.56 MHz Interpreter	iCLASS Seos 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 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

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]

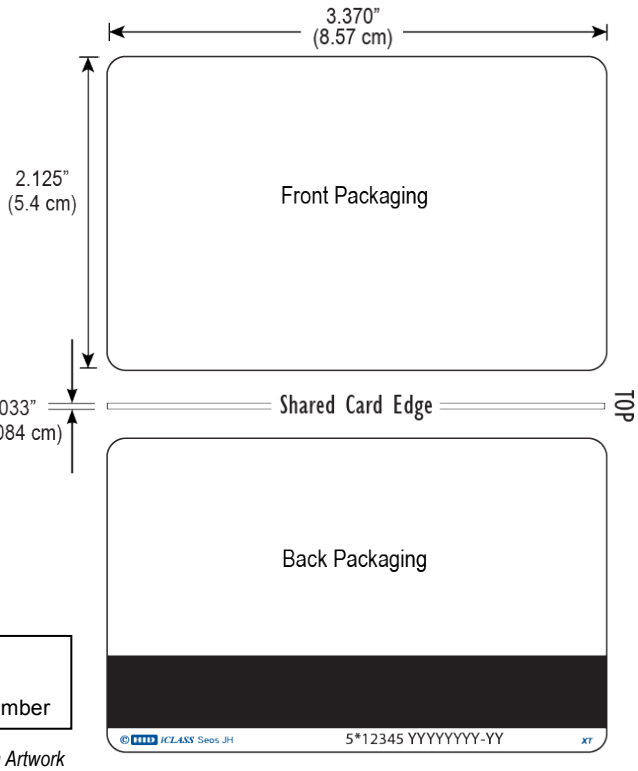
Back Packaging (Check One)
☐ **G** - Plain White with Gloss Finish[2]
☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]
☐ **1** - Plain White with Gloss Finish with Magnetic Stripe[2]
☐ **3** - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork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

Card Numbering[3] (Check One)
☐ **M** - Sequential Matching Internal/External (Inkjetted)
☐ **N** - No External Card Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

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

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: 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** _____.

PIN (2-12 digits) : ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

Special Instructions: _____.

[1] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[2] Cards ordered with plain white front and back packaging, or custom artwork, will still have a small "HID logo" " HID " and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
[3] The external card number is placed in the bottom right-hand corner on the back of the card.
[4] For Laser Engraved external numbers, consult factory for lead times and cost.
[5] Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.
[6] The ability to add a horizontal slot punch requires a different iCLASS antenna design. Users can expect a read range reduction of approximately 20% if they order options B or H for the Slot Punch.

iCLASS SE Credentials

300/305 - iCLASS SE Card Ordering Guide

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

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

Base Model ☐ *300 Standard PVC* ☐ *305 Composite 40% Polyester / PVC**

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

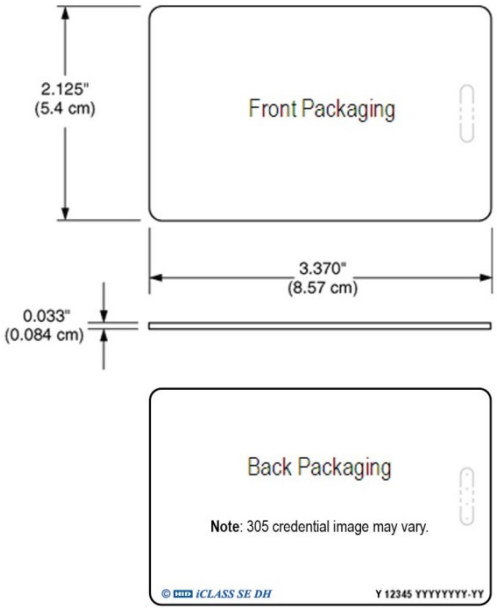
Secure Identity Object Programming
- ☒ **P** – Programmed with Security Identity Object (SIO)

Front Packaging (Check One)
- ☐ **G** - Plain White with Gloss Finish
- ☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork 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)
- ☐ **N** - No External Card Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
- ☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
- ☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
- ☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
- ☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

Slot Punch[5] (Check One)
- ☐ **N** - No Slot Punch (Printed location of vertical slot punch will remain)
- ☐ **V** - Vertical Slot Punch
- ☐ **B** - No Slot Punch - Horizontal Punch compatible (Printed location of Vertical and Horizontal slot punch will remain). [6]
- ☐ **H** - Horizontal Slot Punch [6]



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

Option - Custom Artwork[1]
☐ _____ (*Specify Artwork Number – Refer to the 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** _____.

PIN (2-12 digits) : ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

Special Instructions: _____.

[1] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[2] Cards ordered with plain white front and back packaging, or custom artwork, will still have a small "HID logo" " HID " and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
[3] The external card number is placed in the bottom right-hand corner on the back of the card.
[4] For Laser Engraved external numbers, consult factory for lead times and cost.
[5] Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.
[6] The ability to add a horizontal slot punch requires a different iCLASS antenna design. Users can expect a read range reduction of approximately 20% if they order options B or H for the Slot Punch.
* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

310/315 - iCLASS SE + Prox Card Ordering Guide

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

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

Base Model ☐ *310 Standard PVC* ☐ *315 Composite 40% Polyester / PVC**

iCLASS Memory Size and Allocation (Check One)

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

Secure Identity Object Programming (Check One)

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

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)

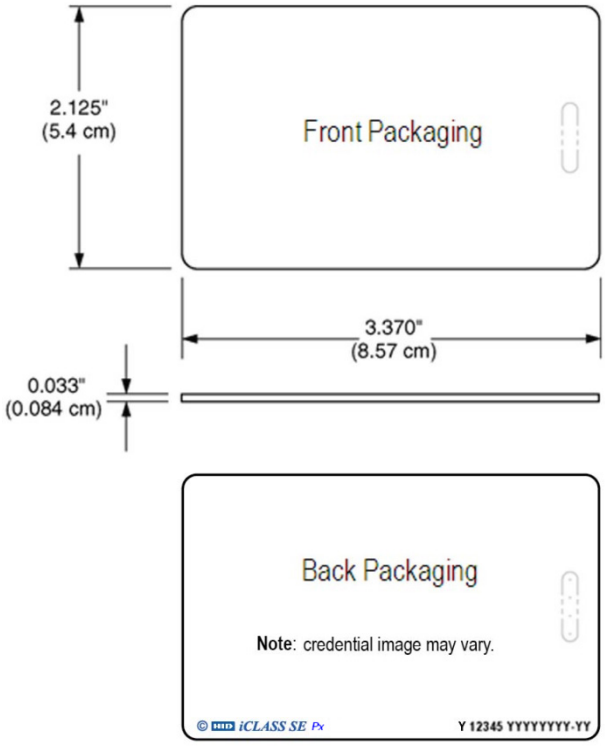
- ☐ **M** - Sequential Matching Internal/External (Inkjetted)
- ☐ **N** - No External Card Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
- ☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
- ☐ **A** - Sequential Matching Internal/External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

Slot Punch[5] (Check One)

- ☐ **N** - No Slot Punch (Printed location of vertical slot punch will remain)
- ☐ **V** - Vertical Slot Punch
- ☐ **B** - No Slot Punch - Horizontal Punch compatible (Printed location of Vertical and Horizontal slot punch will remain). [6]
- ☐ **H** - Horizontal Slot Punch [6]

125 kHz Card Numbering[3] (Check One)

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



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** _____.

PIN (2-12 digits) : ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

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: _____

Special Instructions: _____.

[1] For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
[2] Cards ordered with plain white front and back packaging, or custom artwork, will still have a small "HID logo" " HID " and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
[3] The external card number is placed in the bottom right-hand corner on the back of the card.
[4] For Laser Engraved external numbers, consult factory for lead times and cost.
[5] Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.
[6] The ability to add a horizontal slot punch requires a different iCLASS antenna design. Users can expect a read range reduction of approximately 20% if they order options B or H for the Slot Punch.
* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

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

Programming (Check One)

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

Front Packaging

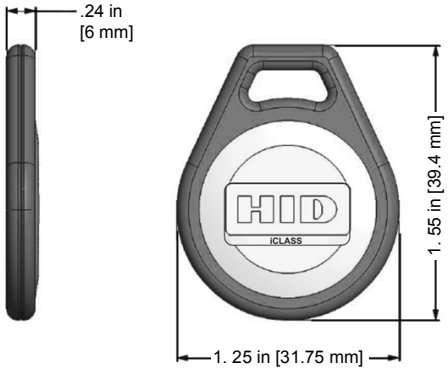
- ☒ **N** – iCLASS Key II - Black with blue insert. Includes HID Standard Artwork

Back Packaging

- ☒ **N** - None

Key Numbering[1]

- ☐ **M** - Sequential Matching Internal/External (Inkjetted)
- ☐ **N** - No External Key Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
- ☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
- ☐ **A** - Sequential Matching Internal/External (Engraved)[2]
- ☐ **B** - Sequential Internal/Sequential Non-Matching External (Engraved)[2]
- ☐ **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** _____.

PIN: ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

Special Instructions: _____.

[1] The external key number is placed on the back of the key.
[2] For Laser Engraved external numbers, consult factory for lead times and cost.
[3] Key Ring sold separately (Part Number: 57-0001-02) .

330 – iCLASS SE Tag Ordering Guide

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

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

☒ ***330 Base Model***

iCLASS Memory Size and Allocation (Check One)

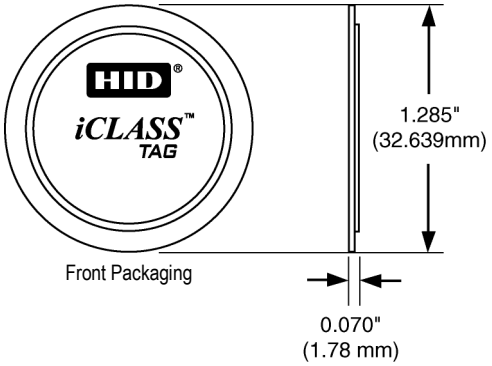
- ☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
- ☐ **1** - 16k Bits (2k Bytes) with 2 Application Areas
- ☐ **2** - 16k Bits (2k Bytes) with 16 Application Areas
- ☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- ☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Programming (Check One)

- ☒ **P** - Programmed 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]



Back Packaging

- ☒ **S** - Adhesive Backing

Tag Numbering[1](Check One)

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

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** _____.

PIN: ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

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.

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.

Contact Smart Chip — Magnetic Swipe card

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

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

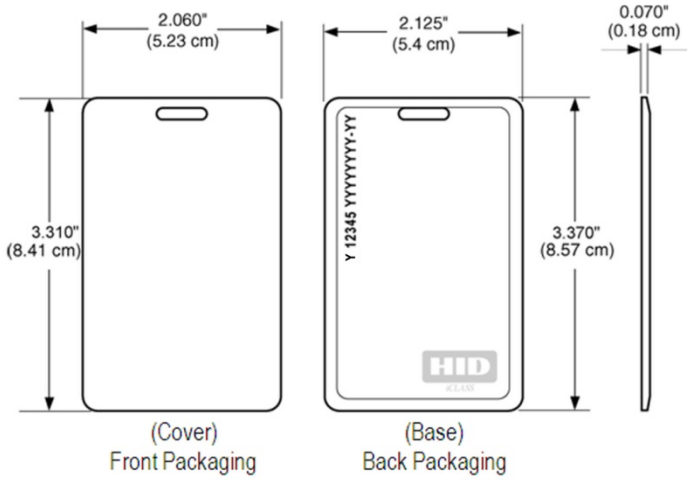
Y = iCLASS Programming
12345 = Card ID Number
YYYYYYY-YY = Sales Order Number

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

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	0	P				V	-	*(Options #)*

iCLASS Card Programming Information

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

Facility Code _____.

SE Elite ICE Number (if applicable) _____.

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

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

PIN (2-12 digits): ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

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.

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

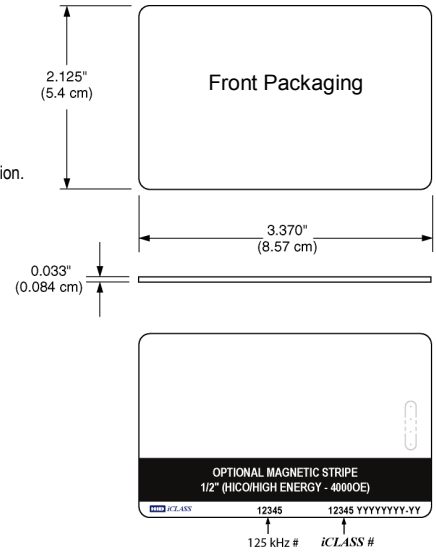
12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number

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)
☐ **N** - No External Card Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

Slot 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)
☐ **N** - No External Card Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

Option - Custom Artwork[1]

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

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

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** _____.
PIN: ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

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** _____.
Special Instructions: _____.

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

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

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

Ensure each required 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/

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

Back Packaging

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)
☐ **N** - No External Card Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

Slot 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)
☐ **N** - No External Card Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

125 kHz Card Numbering[3] (Check One)

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

Option - Custom Artwork[1]

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

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

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

Continued…

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** _____.
PIN: ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

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** _____.
Special Instructions: _____.

125 kHz Programming Information

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

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

iCLASS SR Credentials

200/210 - iCLASS SR Card Ordering 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
- ☐ **1** - 16k Bits (2k Bytes) with 2 Application Areas
- ☐ **2** - 16k Bits (2k Bytes) with 16 Application Areas
- ☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- ☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Secure Identity Object Programming

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

Standard Programming

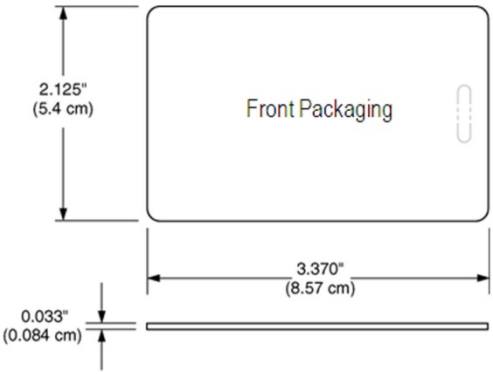
- ☒ **P** - Programmed with standard iCLASS Access Control Application.

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)
- ☐ **N** - No External Card Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
- ☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
- ☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
- ☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
- ☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

Y = iCLASS Programming
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
- ☐ **B** - No Slot Punch - Horizontal Punch compatible (Printed location of Vertical and Horizontal slot punch will remain). [6]
- ☐ **H** - Horizontal Slot Punch [6]

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** _____.

PIN (2-12 digits) : ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

Special Instructions: _____.

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

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

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

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

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

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

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

202/212 - iCLASS SR + Prox Ordering Guide

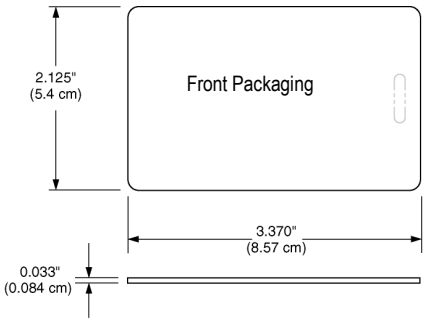
iCLASS SR + Prox contactless card offers read/write and HID proximity capability in a single card which leverages the SIO data model. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting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

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

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

iCLASS *Memory Size and Allocation (Check One)*

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



Secure Identity Object Programming

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

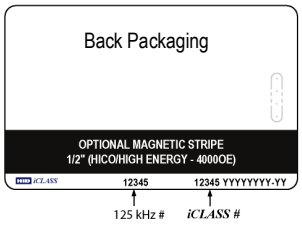
iCLASS Programming (Check One)

- ☐ **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]

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



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)
- ☐ **N** - No External Card Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
- ☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
- ☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
- ☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
- ☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

Slot Punch[5] (Check One)

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

125 kHz Card Numbering[3] (Check One)

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

Option - Custom Artwork[1]

☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork 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** _____.
PIN: ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

125 kHz Programming Information

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

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

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

Secure Identity Object Programming

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

Front Packaging

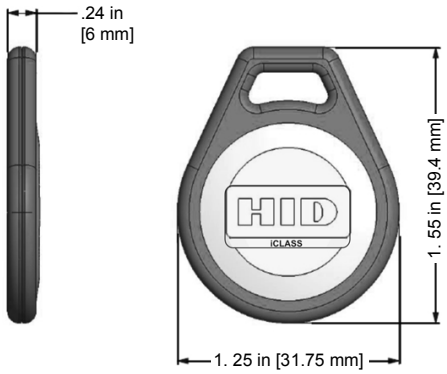
☒ **N** – iCLASS Key II - Black with blue insert. Includes HID Standard Artwork

Back Packaging

☒ **N** - None

Key Numbering[1]

☐ **M** - Sequential Matching Internal/External (Inkjetted)
☐ **N** - No External Key Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
☐ **A** - Sequential Matching Internal/External (Engraved)[2]
☐ **B** - Sequential Internal/Sequential Non-Matching External (Engraved)[2]
☐ **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** _____.

PIN: ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

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) .

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)*

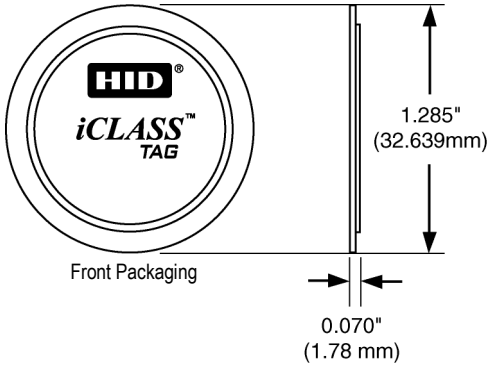
☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
☐ **1** - 16k Bits (2k Bytes) with 2 Application Areas
☐ **2** - 16k Bits (2k Bytes) with 16 Application Areas
☐ **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
☐ **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/

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

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

Back Packaging
☒ **S** - Adhesive Backing

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



Front Packaging

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: 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** _____.

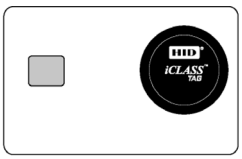
Internal Card # Start _____. **Stop** _____. **External Card # Start** _____. **Stop** _____.

PIN: ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

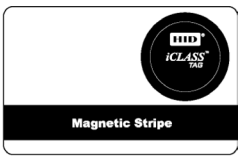
Special Instructions: _____.

[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.

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.



Contact Smart Chip



Magnetic Swipe card

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

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]

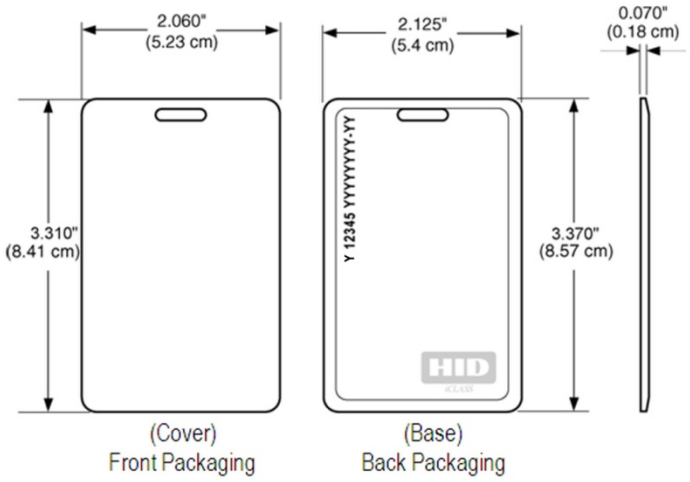
Back Packaging (Check One)

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

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: 2080HPGSMV

Final Part Number	208	0	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** _____.

PIN (2-12 digits): ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

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.

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

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

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

Base Model ☐ *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

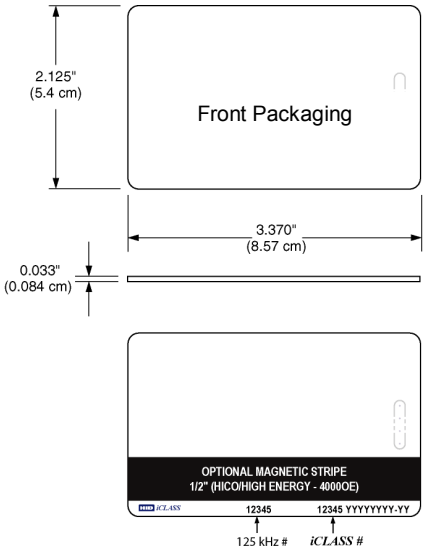
Secure Identity Object Programming
- ☐ **H** – Programmed with Security Identity Object (SIO) for iCLASS only
- ☐ **I** – Programmed with SIO Identity Object (SIO) for 2nd technology only
- ☐ **J** – Programmed with SIO Identity Object (SIO) iCLASS and 2nd technology

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)
- ☐ **N** - No External Card Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
- ☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
- ☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
- ☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
- ☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

Slot 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)
- ☐ **N** - No External Card Numbering
- ☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
- ☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
- ☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
- ☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
- ☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

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

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

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** _____.
PIN: ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

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" "HID" and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. [3] The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card. [4] For Laser Engraved external numbers, consult factory for lead times and cost. [5] Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.
* The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.

252 / 262 - iCLASS / Other 13.56MHz / Prox - Combination Card Ordering Guide

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

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

Base Model ☐ *252 Standard PVC* ☐ *262 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 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 (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

Back Packaging

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)
☐ **N** - No External Card Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

Slot 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)
☐ **N** - No External Card Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

125 kHz Card Numbering[3] (Check One)

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

Option - Custom Artwork[1]

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

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

Final Part Number								N		-	(*Options #*)

Continued …

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** _____.
PIN: ☐ **Sequential: Start #** _____ ☐ **Random: Length** _____.

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: _____.

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.

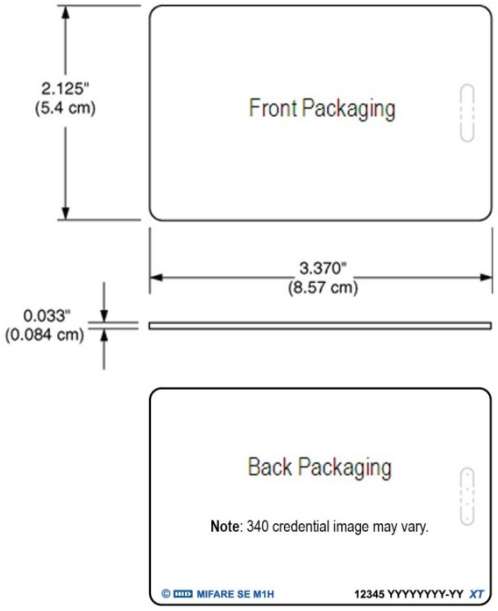
Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

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)
- ☐ **N** - No External Card Numbering
- ☐ **U** – UID (CSN) HEX card numbering only (Inkjetted)
- ☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
- ☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
- ☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
- ☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
- ☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

Slot Punch[5] (Check One)
(IMPORTANT – MIFARE Classic 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 *(Printed location of vertical slot punch will remain)*

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: 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" " HID " and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

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

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

[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.

* 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]

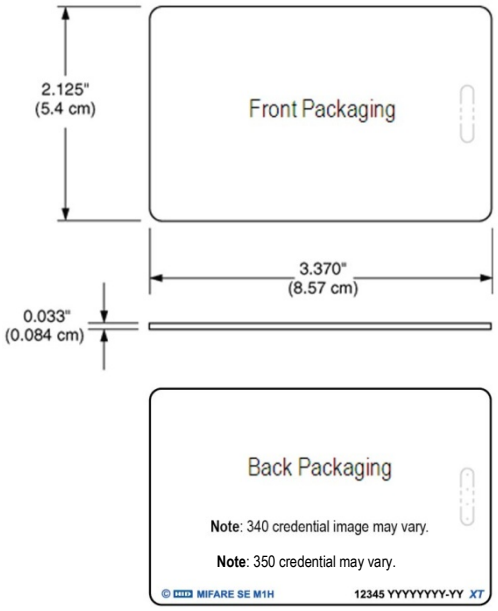
☐ **S** - Standard HID MIFARE Artwork[2]

☐ **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]



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

13.56 MHz MIFARE Card Numbering[3] (Check One)

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

☐ **N** - No External Card Numbering

☐ **U** – UID (CSN) HEX card numbering only (Inkjetted)

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

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

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

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

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

Slot Punch

(IMPORTANT – MIFARE Classic 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 *(Printed location of vertical slot punch will remain)*

125 kHz Prox Card Numbering[3] (Check One)

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

☐ **N** - No External Card Numbering

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

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

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

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

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

Option - Custom Artwork[1]

☐ _____ (Specify Artwork Number – Refer to the Custom Artwork 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" " HID " and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

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

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

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

SIO-Enabled Technology for MIFARE DESFire EV1 Credentials

370/375 – MIFARE DESFire EV1 Card Ordering Form Guide

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.

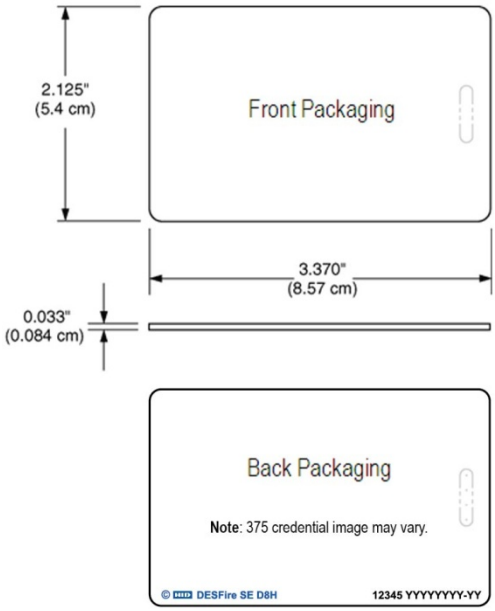
Base Model ☐ **3700 Standard PVC** ☐ **3750 Composite 40% Polyester / PVC ***

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)
☐ **N** - No External Card Numbering
☐ **S** - Sequential Internal/Sequential Non-Matching External (Inkjetted)
☐ **R** - Random Internal/Non-Matching Sequential External (Inkjetted)
☐ **A** - Sequential Matching Internal/External (Laser Engraved)[4]
☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)[4]
☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)[4]

Slot 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

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: 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" " HID" and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
[3] The external card number is placed in the bottom right-hand corner on the back of the card on Proximity Format Programming only. Permanent Unique MIFARE 56 Bit serial # cannot be printed on cards.
[4] For Laser Engraved external numbers, consult factory for lead times and cost.
* 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]

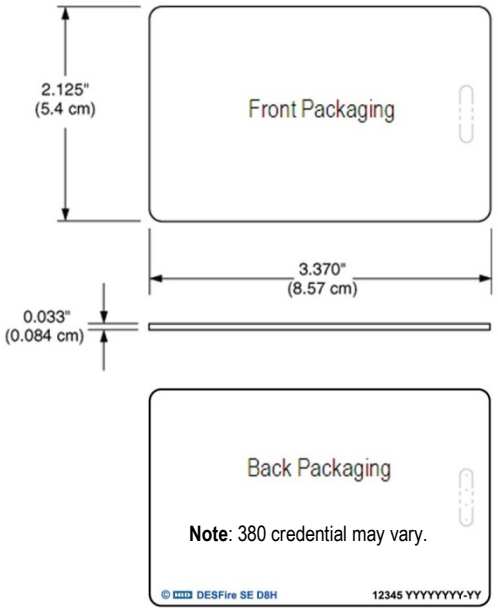
Back Packaging (Check One)

☐ **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]



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

13.56 MHz DESFire Card Numbering[3] (Check One)

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

☐ **N** - No External Card Numbering

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

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

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

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

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

Slot 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)

☐ **N** - No External Card Numbering

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

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

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

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

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

Option - Custom Artwork[1]

☐ _____ (*Specify Artwork Number – Refer to the Custom Artwork 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" " HID " and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

[3] The external card number is placed in the bottom right-hand corner on the back of the card on Proximity Format Programming only. Permanent Unique MIFARE 56 Bit serial # cannot be printed on cards.

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

* 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 = Standard Prox L = Custom Prox	T = SIO and Seos with Legacy N = SIO and Seos	N = Wiegand C = Clock-and-Data	N = Pigtail T = Terminal Strip	E	K = Black G = Gray	0 = Standard-1 2 = Standard-2 E = Elite	0000 = Standard XXXX = Specific
iCLASS SE R15 & multiCLASS SE RP15 Mullion Reader	910								
iCLASS SE R30 & multiCLASS SE RP30 EU / Asia Square Reader	930								
iCLASS SE R40 & multiCLASS SE RP40 Wall Switch Reader	920								
iCLASS SE RK40 & multiCLASS SE RPK40 Wall Switch Keypad Reader	921								

[1] 125 kHz Prox Interpreters:
Order N for only high frequency 13.56 MHz technology (such as iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic, SE for MIFARE DESFire EV1).
Order P for standard format support = HID Prox, AWID, EM4102 and Indala (ASP10022 – 26-bit).
Order L for custom Indala format support = HID Prox, AWID, EM4102 and Indala (Custom – provide reader format number with order).

[2] 13.56 MHz Interpreters
T = Recommended ONLY for **Maximum Compatibility** with legacy iCLASS installations - Supports Secure Identity Object (SIO), Seos, standard iCLASS HID Access Control Application, MIFARE CSN, and MIFARE DESFire CSN. Compatible with the following credentials: iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic, SE for MIFARE DESFire EV1 and MIFARE-CSN. Use 0 or E for security options.

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

[3] iCLASS Security Options (Factory or Field Configurable):
0 = Standard Security (Version 1) Keyset – coupled with the Standard 13.56 MHz interpreter "T" provides compatibility with iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic and SE for MIFARE DESFire EV1 credentials.
2 = Standard Security (Version 2) Keyset – coupled with the SIO and Seos (Only) 13.56 MHz interpreter "N" provides compatibility with iCLASS SE, MIFARE Classic SE and MIFARE DESFire EV1 SE credentials.
E = Elite reads only SE Elite™ credentials with unique matching keys. Works with iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic and SE for MIFARE DESFire EV1 with matching Elite keys. Line item on PO requires ICE reference number.

[4] Configuration Settings
All standard readers ship with the following features - 13.56MHz interpreter "T" enabled, Wiegand "N" enabled, and Standard-1 "0" security keys enabled. **ANY OTHER OPTION SELECTED REQUIRES A SPECIFIC CONFIGURATION EXTENSION.** To order non-standard configuration options, use the iCLASS SE Configuration Worksheet. Your HID Global Support or Sales representative can help you determine your final configuration.

Standard configuration includes: LED normally Red + Reader beeps / flashes LED green on card read + Intelligent Power Management = Off + Keypad Output is 4-bit (if keypad reader) + 125 kHz HID Prox, AWID, Indala (ASP10022), EM4102 (if multiCLASS SE).

iCLASS SE & multiCLASS Readers – Quick Reference Part Numbers

Class	Sub Class	Prox/No Prox	13.56 MHz (HF) interpreter	Controller connection	Color	Pigtail/ Terminal	Keys	LED	LED	Buzzer	Read	Power mgmt	Keypad	Part number
iCLASS SE	R10	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	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
	R30	LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930NTNNEK00000
		LF OFF	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930NTNTEK00000
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930NNNNEK2037P
		LF OFF	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930NNNTEK2037P
	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
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		900PTNNEKE0000
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		900PTNTEKE0000
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	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
	RP30	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930PTNNEK00000
		LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	TERM	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930PTNTEK00000
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	PIG	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930PNNNEK2037Q
		LF STD	SIO/SEOS ONLY	Wiegand	BLK	TERM	STD-2	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF		930PNNTEK2037Q
	RPK40	LF STD	Legacy (STD), SIO/SEOS	Wiegand	BLK	PIG	STD-1	LED RED	FLSH GRN	BZR ON	CSN 32-BIT MSB	IPM OFF	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 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	N=Wiegand C=Clock-and-Data	T = Terminal Strip	E	K = Black W= White G= Gray	0 = Standard-1 2 = Standard-2 E = Elite	XXXX = Specific

[1] 13.56 MHz Interpreters
T = Recommended ONLY for **Maximum Compatibility** with legacy iCLASS installations - Supports Secure Identity Object (SIO), Seos, standard iCLASS HID Access Control Application, MIFARE CSN, and MIFARE DESFire CSN. Compatible with the following credentials: iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic, SE for MIFARE DESFire EV1 and MIFARE-CSN. Use 0 or E for security options.

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

[2] iCLASS Security Options (Factory or Field Configurable):
0 = Standard Security (Version 1) Keyset – coupled with the Standard 13.56 MHz interpreter "T" provides compatibility with iCLASS SE, iCLASS SR, standard iCLASS, SE for MIFARE Classic and SE for MIFARE DESFire 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
To order non-standard configuration options, use the iCLASS SE Configuration Worksheet. Your HID Global support personnel or sales representative can help you determine your final configuration.

Programming Cards

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

Reader Configuration

Description	Part Number		
	Base Part No.	Elite (E) or Standard Security (0 or 2)[1]	Configuration Settings[2]
Reader Configuration Cards	SEC9X-CRD-	E = Elite Key 0 = Standard key 1 or standard 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)
Security downgrade card Add standard iCLASS access control application to your iCLASS SE or multiCLASS SE reader	SEC9X-CRD-	Contact your HID Support Representative (support.hidglobal.com)	
Security upgrade card (key rolling) Setup iCLASS SE or multiCLASS SE readers for SIO (and optionally Prox) interpreters only.			

[1] Keys

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

[2]Configuration Settings

Standard readers ship with the following features: 13.56MHz interpreter (T), Wiegand (N), and Standard-1 (0) security keys enabled. Any other option selected requires a specific configuration EXTENSION. To order non-standard configuration options, use the iCLASS SE Configuration Worksheet. Your HID Global Support or Sales representative can help you determine your final configuration.

Standard configuration includes: LED normally Red + Reader beeps / flashes LED green on card read + Intelligent Power Management = Off + Keypad Output is 4-bit (if keypad reader) + 125 kHz HID Prox, AWID, Indala (ASP10022), EM4102 (if multiCLASS SE).

Note: Reader configuration cards change settings in an additive fashion. Configuration card settings only overwrite old settings for the options selected. Reader settings that have not been selected for the configuration retain their original values.

To reset reader settings to factory defaults, use a factory default configuration card first, then apply the new configuration with the provided reader configuration card.

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 No.**	**Security**	**Version**	**Firmware Bundle[1]**
Firmware Update Cards Update reader functionality to the latest revision over the RF interface.	SEF9X-UPG	0 = Standard-1 2 = Standard-2 E = Elite	D = Rev D version E = Rev E version	XXXX

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

Accessories

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

Part No.	Description
Mounting Plates, Spacers, Screws and Accessory Kits	
6303-104-01	R10 / RP10 (or equivalent sized model) Mini-Mullion Reader Mounting Plate, Any Color
6309-103-01	R15 / RP15 (or equivalent sized model) Mullion Reader Mounting Plate, Any Color
6402-103-01	R30 / RP30 (or equivalent sized model) EU/Asian Reader Mounting Plate, Any Color
6403-109-01	R40 / RP40 (or equivalent sized model) Wall Switch Reader Mounting Plate, Any Color
6094-101-01	RK40 / RPK40 (or equivalent sized model) Wall Switch Keypad Reader Mounting Plate, Any Color
6132AKB	R10 / RP10 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black
6132AGB	R10 / RP10 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Gray
6132AKC	R15 / RP15 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black
6132AGC	R15 / RP15 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Gray
6132AKD	R30 / RP30 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black
6132AGD	R30 / RP30 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Gray
6132AKE	R40 / RP40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black
6132AGE	R40 / RP40(or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Gray
6132AK	RK40 / RPK40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black
6132AG	RK40 / RPK40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Gray
400-2D71-06	High Security Screw, Spanner
6706-303-03	Pigtail Accessory Kit (includes terminal blocks, screws, and installation guide
6706-303-04	Terminal Reader Accessory Kit (includes terminal blocks, screws, and installation guide)
56-0009-01	Gasket - Keypad Readers only.

OSDP Upgrade Kit

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

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