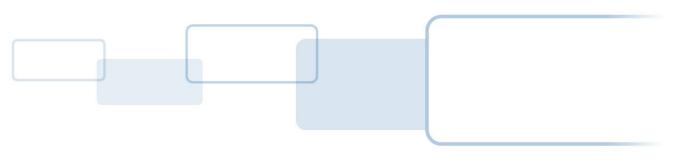


READERS AND CREDENTIALS

How to Order Guide

PLT-02630, Rev. C.7 February 2021







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Revision History

| Date | Description | Revision |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| February 2021 | Added Seos Essential Credentials. | C.7 |
| October 2021 | Updated Signo Reader Credential Profiles options. | C.6 |
| September 2020 | Updated Signo Reader section images and credential options. Updated Mobile Access onboarding URL and Mobile Identities Service Ordering Information section. Added Embeddable Credentials. | C.5 |
| May 2020 | Updated HID Signo Readers section. Updated EMEA contact address. | C.4 |
| March 2020 | Minor update. | C.3 |
| March 2020 | Added Décor BLE model. | C.2 |
| March 2020 | Minor updates. | C.1 |
| February 2020 | Added HID Signo. | C.0 |
| November 2019 | Added Seos Clamshell - 565. Minor updates. | B.9 |
| October 2019 | Added Seos Key Fob - 526. | B.8 |

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1. Readers

Understanding HID Global Readers

Can I configure my reader product online?

Yes, HID Global® is now offering the HID Global Product Configurator. This online tool will guide customers and partners toward the most suitable product for their needs. There are two main features available with this tool:

- Find by part number allows customers to enter an existing part number to see the specification of this reader.
- Build a reader helps customers construct a complete part number, including keyset and configuration; everything needed to place an order. Customers will be able to download a PDF with all specifications of the reader they build to allow for a smooth ordering process.

HID Global Product Configurator: https://www.hidglobal.com/configure

What should I know about security keysets?

HID Signo™, iCLASS SE® readers and iCLASS® Seos®/iCLASS SE credentials offer two keyset security schemes, HID Elite and Standard.

The HID 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, SIO®-encoded iCLASS, MIFARE Classic (SIO) and MIFARE DESFire EV1 (SIO) 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 HID Elite program, only site/company specific HID Elite credentials and configuration cards work with matching readers.

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 Reader Standard Security Keysets

iCLASS SE readers provide two Standard Security Keysets that offer compatibility with the following credentials:

| Standard Security Keyset | Compatibility with these Credentials |
|--------------------------|--------------------------------------|
| Version 1 | iCLASS Seos (+ Prox) |
| | iCLASS SE (+ Prox) |
| | iCLASS SR (+ Prox) |
| | iCLASS (+ Prox) |
| | MIFARE Classic (+ Prox) |
| | MIFARE DESFire EV1 (+ Prox) |
| Version 2 | iCLASS Seos (+ Prox) |
| | iCLASS SE (+ Prox) |
| | MIFARE Classic (+ Prox) |
| | MIFARE DESFire EV1 (+ Prox) |

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HID Signo Reader Credential Profiles

HID Signo Readers are available with three credential profile options.

| Communication | NFC/ BLE | | High Frequency Lo | | | | | | | Low | Low Frequency | | | | | |
|------------------------------|----------------------------------|------|-------------------|-----------|--------|----------------------------------|----------------------|----------------------------------|-------------------------|------------------------------------------|---------------------------------|------------|--------------------|----------------------|----------------------------|----------------------------|
| Credentials Supported | Seos (Mobile IDs via NFC/BLE) | Seos | iclass se | iclass sr | iclass | MIFARE DESFire EV1/ EV2 (SIO) | MIFARE Classic (SIO) | MIFARE DESFire EV1/ EV2 (CSN) | MIFARE Classic (CSN) | MIFARE DESFire EV1/ EV2 (Custom Data) | MIFARE Classic (Custom Data) | FeliCa Idm | CEPAS (CAN or UID) | 125kHz HID Proximity | 125kHz Indala Proximity | 125kHz EM4102 Proximity |
| 00 - Standard Profile | • | • | • | • | • | • | • | • | • | - | - | - | - | • | • | • |
| ☐ 01 - Seos Profile | • | • | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 02 - Smart Profile | • | • | • | • | • | • | • | - | - | - | - | - | - | - | - | - |
| ☐ 03 - Custom Profile | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

Supported

How can I order HID Elite configured readers?

- Direct customers of HID must be authorized to purchase components with HID Elite keys. If you are not authorized, you must have the key owner authorize you through the Authorization form.
- See http://www.hidglobal.com/services/secure-identity/credential-programs/iclass-elite-and-se-elite.
- Ensure the HID Elite flag is set in the part number (of readers, credentials and programming cards).
- All Purchase Orders for HID Elite components must be ordered with the HID Elite reference number (starts with ICE or MOB).

How can I check the status of my order?

■ To check order status, go to: https://orderstatus.hidglobal.com/WebOrderStatus/

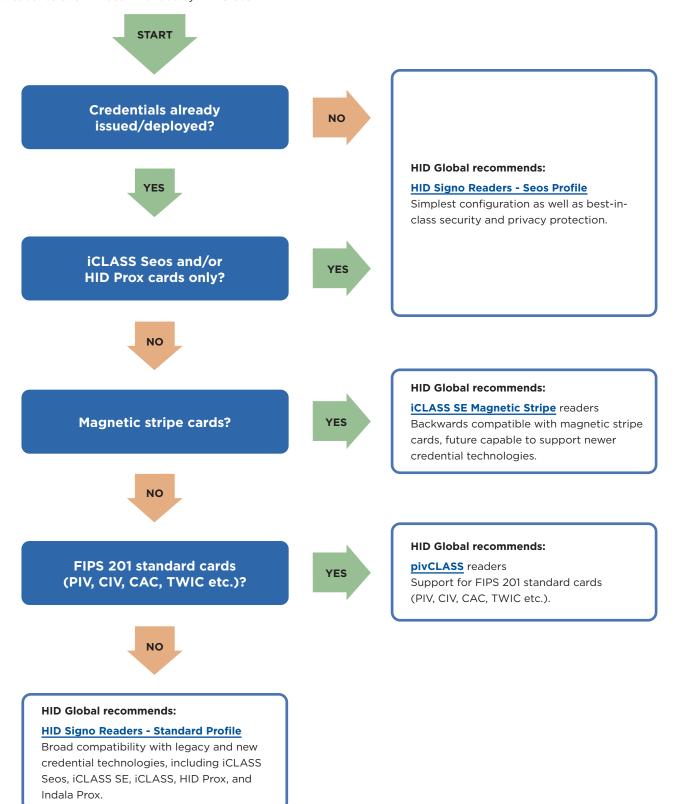
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⁻ Not supported



Selecting the Right Reader

In order to make sure our customers benefit from the latest and most secure technology, based on their needs and current situation, HID Global offers a reader product guidance. Follow the suggested route below based on your current credential population, to see what reader solution is recommended by HID Global.





HID Signo Readers

Application: HID Signo is the signature line of physical access control readers from HID Global. The versatility, performance and connected capabilities of HID Signo Readers set a new industry benchmark for the most highly adaptable, interoperable and secure approach to electronic access control.

Technologies Supported: Wide variety of contactless low and high frequency credentials, plus HID Mobile Access® Mobile IDs via NFC and/or Bluetooth Smart.

Follow the steps below to determine a standard configuration HID Signo Reader part number. Alternatively, use the interactive online **HID Product Configurator** to customize a reader to your specific needs.





1. Select hardware option

(Select one model)



20 - Designed for applications requiring a narrow card reader.



40 - Designed for applications requiring switch mounting.



20K - Designed for applications requiring a narrow reader with 2 x 6 capacitive keypad.



40K - Designed for applications requiring wall switch mounting with 3 x 4 capacitive keypad.

Wiring Connection (Select one option)

N - Pigtail

☐ T - Terminal Strip

Body Color

X K - Black

Trim/Mounting Plate Color

X S - Silver

A black trim/mounting plate is available as an accessory item at an additional cost. Please see accessories list below.

2. Select credential profile

(Select one option)

| Communication | NFC/ BLE | | High Frequency Low Frequency | | | | | | | | | | | | | |
|------------------------------|----------------------------------|------|------------------------------|-----------|--------|----------------------------------|----------------------|----------------------------------|-------------------------|------------------------------------------|---------------------------------|------------|--------------------|----------------------|----------------------------|----------------------------|
| Credentials Supported | Seos (Mobile IDs via NFC/BLE) | Seos | iclass se | iclass sr | iclass | MIFARE DESFire EV1/ EV2 (SIO) | MIFARE Classic (SIO) | MIFARE DESFire EV1/ EV2 (CSN) | MIFARE Classic (CSN) | MIFARE DESFire EV1/ EV2 (Custom Data) | MIFARE Classic (Custom Data) | Felica Idm | CEPAS (CAN or UID) | 125kHz HID Proximity | 125kHz Indala Proximity | 125kHz EM4102 Proximity |
| 00 - Standard Profile | • | • | • | • | • | • | • | • | • | - | - | - | - | • | • | • |
| ☐ 01 - Seos Profile | • | • | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 02 - Smart Profile | • | • | • | • | • | • | • | - | - | - | - | - | - | - | - | - |
| ☐ 03 - Custom Profile | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

Supported - Not supported



3. Select configuration option

| Credential Profile | Reader Model |
|--------------------|--------------|
| Standard | 000000 |
| Seos | 000000 |
| Smart | 000000 |
| Custom | 000000 |

- Idle LED color is RED, flash GREEN on card read
- Tamper enabled
- Keypad 4-bit burst, Keypad backlight RED (keypad readers only)
- Visual Impaired Mode enabled
- Velocity Check disabled and Intelligent Power Management mode disabled

For any other configuration, including non-standard credential configurations, please use the interactive online HID Product
Configurator. An example of a "non-standard" credential configuration would be where you would like to order a Standard Profile HID Signo Reader with Indala and CSN credential read capability disabled.

4. Enter the numbers/letters from the selections above into the following table

Assemble your selections from Step 1 to 3.

| | Reader Model | Wiring Connection | Body Color | Trim Color | | Credential Profile | | Configuration Option |
|-------------------|-----------------|----------------------|---------------|------------|---|-----------------------|---|-------------------------|
| Example | 20 | Т | к | s | - | 00 | - | 000000 |
| Final Part Number | | | к | s | - | | - | 000000 |

5. Place an order

To place an order for HID Signo readers, authorized channel partners may submit a purchase order to HID Global Customer Service at https://www.hidglobal.com/customer-service

HID Signo Common and Popular orderable Part Numbers

HID Signo part numbers below provide full compatibility with the associated iCLASS SE / multiCLASS SE readers. Seos and smart profiles provide focused credential compatibility, please refer to the original reader configuration to determine the appropriate profile.

| iCLASS SE / multiCLASS SE Part Number | Compatible HID Signo Reader Part Number (pigtail) |
|------------------------------------------------------------------------|------------------------------------------------------|
| 900NTNNEK00000 (R10) | |
| 900PTNNEK00000 (RP10) 910NTNNEK00000 (R15) 910PTNNEK00000 (RP15) | Signo 20 20NKS-00-000000 |
| 920NTNNEK00000 (R40) 920PTNNEK00000 (RP40) | Signo 40 40NKS-00-00000 |
| 921NTNNEK00000 (RK40) 921PTNNEK00000 (RPK40) | Signo 40 Keypad 40KNKS-00-00000 |
| 921NTNNEK00000 (RK40) 921PTNNEK00000 (RPK40) | Signo 20 Keypad |
| Note: HID Signo 20K reader is mullion mount with 2 x 6 keypad | 20KNKS-00-000000 |

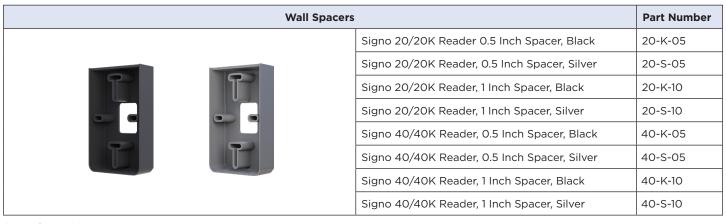
| iCLASS SE / multiCLASS SE Part Number | Compatible HID Signo Reader Part Number (terminal strip) |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| 900NTNTEK00000 (R10) 900PTNTEK00000 (RP10) 910NTNTEK00000 (R15) 910PTNTEK00000 (RP15) | Signo 20 20TKS-00-000000 |
| 920NTNTEK00000 (R40) 920PTNTEK00000 (RP40) 921NTNTEK00000 (RK40) | Signo 40 40TKS-00-000000 |
| 921PTNTEK00000 (RPK40) | Signo 40 Keypad 40KTKS-00-000000 |
| 921NTNTEK00000 (RK40) 921PTNTEK00000 (RPK40) | Signo 20 Keypad |
| Note: HID Signo 20K reader is mullion mount with 2 x 6 keypad | 20KTKS-00-000000 |



HID Signo Accessories and Credentials

Need accessories or compatible credentials? HID Signo readers support (depending on configuration) the following credentials:

- Mobile IDs
- iCLASS Seos
- iCLASS SE
- iCLASS
- HID Prox
- Indala Proximity
- MIFARE DESFire EV1
- MIFARE Classic



0.5 Inches = 1.27 cm 1 Inch = 2.54 cm

| Mounting Plate/Trim Color | | | | | |
|---------------------------|-----------------------------------------|-----------|--|--|--|
| | Signo 20 Reader Mounting Plate, Black | 20-K-MP | | | |
| | Signo 20 Reader Mounting Plate, Silver | 20-S-MP | | | |
| | Signo 20K Reader Mounting Plate, Black | 20KT-K-MP | | | |
| | Signo 20K Reader Mounting Plate, Silver | 20KT-S-MP | | | |
| | Signo 40 Reader Mounting Plate, Black | 40-K-MP | | | |
| | Signo 40 Reader Mounting Plate, Silver | 40-S-MP | | | |
| | Signo 40K Reader Mounting Plate, Black | 40KT-K-MP | | | |
| | Signo 40K Reader Mounting Plate, Silver | 40KT-S-MP | | | |

HID Signo Reader Configuration

HID Signo Readers are designed to be configured using the HID Reader Manager application, a tool that provides powerful configuration and upgrade capabilities through a convenient smart phone application

The App Store (Apple devices) Goo

Google Play (Android devices)







iCLASS SE Readers

Note: See Selecting the Right Reader on page 9 for guidance.

iCLASS SE Reader - Seos Profile with Bluetooth Option

Application: Designed to instill confidence with best-in-class security and privacy protection.

Technologies Supported: iCLASS Seos, HID Prox, and HID Mobile Access Mobile IDs via NFC and/or Bluetooth Smart.





1. Select one option from each of the following sections to construct part number Reader Model (Select one model)

| _ | | 900 - Model R10 - Designed for door applications requiring a small footprint card reader. |
|-----------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _ | | 910 - Model R15 - Designed for door applications requiring a mullion style mounting. |
| | | 920 - Model R40 - Designed for door applications requiring standard wall switch mounting. |
| 1010 | | 921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input. |
| <u></u> | N - No | Credential Support (Select one option) o 125 kHz support pport for HID Prox |
| _ | | Iz and Bluetooth credential support (Select one option) |
| | s - Su | pports iCLASS Seos cards, and Mobile IDs via NFC. |
| ı | B - Su | pports iCLASS Seos cards, and Mobile IDs via NFC and Bluetooth Smart. |
| <u></u> । | | er Communication iegand |
| | | Connection (Select one option) |
| _ | N - Pig | · |
| | - | rminal strip |
| | | e Revision |
| | | vision E |
| Col | or | |
| X I | K - Bla | ack |
| Key | set (| Select one option) |
| | lacks 1 | andard and Mobile-Ready - supports iCLASS Seos credentials with standard keys. Prepared to support HID Mobile Access, but the personalized configuration to read an organization's specific Mobile IDs. This configuration can be ordered at any time but equire field activation after the organization has completed registration for HID Mobile Access. |
| | organ | D Elite and Mobile-Enabled - supports iCLASS Seos credentials and Mobile IDs. Fully activated and personalized to support an ization's specific Mobile IDs. These readers can only be ordered after the organization has completed registration for either lite or HID Mobile Access. If HID Elite reference (ICE) is given at time of order, only iCLASS Seos credentials with HID Elite keys |

Configuration Settings

◯ 0000 - Standard configuration. All iCLASS SE Readers - Seos Profile ship with the following standard configuration:

- LED normally red, LED flashes green and beeps on card read.
- Keypad output is 4-bit (if keypad reader).

Non-standard configuration can be applied at time of installation using the configuration card accessories listed on next page.

are supported. If Mobile Reference (MOB) is given at time of order, only iCLASS Seos credentials with standard keys are supported.



2. Enter the numbers/letters from the selections above into the table below

The resulting "Final Part Number" is used when ordering readers.

| | Reader Model | 125 kHz | 13.56 MHz | Communication | Wiring | HW Rev | Color | Keyset | Config Setting |
|-------------------|-----------------|---------|-----------|---------------|--------|-----------|-------|--------|-------------------|
| Example | 920 | N | S | N | Т | Е | K | Е | 0000 |
| Final Part Number | | | | N | | E | K | | 0000 |

3. Place an order

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.

Contact information is available at: http://www.hidglobal.com/customer-service

Need credentials? Credentials supported by this reader model includes (depending on options chosen above):

- Mobile IDs
- iCLASS Seos
- iCLASS Seos + Prox

iCLASS SE Reader - Seos Profile Configuration Cards

| Config Card Number | Description |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SE-SEOS-2-CRD0 | iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - all cards (21 cards) |
| SE-SEOS-E-CRDO | iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - all cards (21 cards) |
| SE-SEOS-2-CRD1 | iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Seos and prox settings (4 cards) Contains cards used to change the priority setting of iCLASS Seos and Prox technologies |
| SE-SEOS-2-CRD2 | iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Panel output settings (3 cards) Contains cards used to change the reader output between Wiegand and OSDP |
| SE-SEOS-2-CRD3 | iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Audio visual settings (13 cards) Contains cards used to change behaviour of reader LED and beeper |
| SE-SEOS-2-CRD4 | iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - keypad format settings (4 cards) Contains cards used to change output settings of keypad reader models |
| SE-SEOS-E-CRD1 | iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - Seos and prox settings (4 cards) Contains cards used to change the priority setting of iCLASS Seos and Prox technologies |
| SE-SEOS-E-CRD2 | iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - Panel output settings (3 cards) Contains cards used to change the reader output between Wiegand and OSDP |
| SE-SEOS-E-CRD3 | iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - Audio visual settings (13 cards) Contains cards used to change behaviour of reader LED and beeper |
| SE-SEOS-E-CRD4 | iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - keypad format settings (4 cards) Contains cards used to change output settings of keypad reader models |

Note: The above configuration cards are only intended for use with iCLASS SE Reader - Seos profile.

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iCLASS SE Reader - Standard Profile with Bluetooth

Application: Designed to ensure compatibility with legacy credentials and capability to support the future.

Technologies Supported: Wide variety of contactless credentials including HID Mobile Access® Mobile IDs via NFC and/or Bluetooth Smart.



1. Select one option from each of the following sections

| Re | eader Model (Select one model) |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _ | 900 - Model R10 - Designed for door applications requiring a small footprint card reader. |
| _ | 910 - Model R15 - Designed for door applications requiring a mullion style mounting. |
| | 920 - Model R40 - Designed for door applications requiring standard wall switch mounting. |
| -0-0-0-0 | 921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input. |
| p | 95B - Décor Model - Designed for door applications requiring low profile EU square wall switch mounting. |
| 125 | 5 kHz Credential Support (Select one option) |
| | N - No 125 kHz support |
| | P - Support for HID Prox, AWID and EM4102 (32 bits) |
| _ | .56 MHz and Bluetooth Credential Support M - Support for HID Mobile Access Mobiles IDs via NFC and Bluetooth Smart - reader equipped with Bluetooth Smart module. Also supports iCLASS Seos, iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO), MIFARE DESFire EV1 (SIO) and ISO 14443 UID. |
| Со | ontroller Communication (Select one option) |
| _ | N - Wiegand |
| _ | C - Clock & Data |
| _ | P - OSDP |
| _ | iring Connection (Select one option) |
| _ | N - Pigtail (not available on 95B) T - Terminal strip |
| | ardware Revision |
| _ | E - Revision E |
| | blor |
| _ | K - Black |
| | G - Grey (available on 95B only) |
| | W - White (available on 95B only) |
| Ke | eyset (Select one option) |
| | M - Mobile-Ready: Prepared to support HID Mobile Access, but lacks the personalized configuration to read an organization's specific Mobile IDs. This configuration can be ordered at any time but will require field activation after the organization has completed registration for HID Mobile Access. |
| | E - Mobile-Enabled: Fully activated and personalized to support an organization's specific Mobile IDs. These readers can only be ordered after the organization has completed registration for either HID Elite or HID Mobile Access. If HID Elite reference (ICE) is given at time of order, only iCLASS Seos credentials with HID Elite keys are supported. If Mobile Reference (MOB) is given at time order, only iCLASS Seos credentials with standard keys are supported. |

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Configuration setting (select one option)

Standard configuration: All iCLASS SE Readers - Standard Profile with Bluetooth Smart ship with the following features.

- Controller Communication = N Wiegand, or P OSDP
- LED normally red, LED flashes green and beeps on card read
- Keypad output is 4-bit (if keypad reader)

This configuration is represented by the following standard configuration setting extensions listed.

| Communication | 125 kHz Support | Keypad Reader | Extension |
|---------------|-----------------|---------------|-----------|
| | N. No. | No | ☐ A001 |
| N. Wiewand | N - No | Yes | ☐ A002 |
| N - Wiegand | P - Yes | No | ☐ A003 |
| | P - Yes | Yes | □ A004 |
| | N - No | No | □ A005 |
| P - OSDP | N - NO | Yes | □ A006 |
| P - OSDP | P - Yes | No | □ A007 |
| | P - Yes | Yes | □ A008 |

ANY other option selected (including Clock & Data communication) requires a Non-Standard configuration EXTENSION. To determine configuration options, use the **Select** tab on the iCLASS SE Configuration Guide spreadsheet at the following link: www.hidglobal.com/node/19914. Your HID Global Support or Sales representative can help you determine your final configuration.

2. Enter the numbers/letters from the previous selections into the following table

The resulting "Final Part Number" is used when ordering readers.

| | Reader Model | 125 kHz | 13.56 MHz | Communication | Wiring | HW Rev | Color | Keyset | Config Setting |
|-------------------|-----------------|---------|-----------|---------------|--------|-----------|-------|--------|-------------------|
| Example | 920 | N | М | N | Т | Е | K | М | A001 |
| Final Part Number | | | М | | | Е | K | | |

3. Place an order

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.

Contact information is available at: http://www.hidglobal.com/customer-service

Need credentials? Credentials supported by this reader model includes (depending on options chosen above):

- Mobile IDs
- iCLASS Seos
- iCLASS
- iCLASS SE
- MIFARE DESFire EV1
- MIFARE Classic

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iCLASS SE Reader - Biometric

Application: Designed to ensure compatibility with legacy credentials and capability to support the future.

Technologies Supported: Wide variety of contactless credentials including iClass Seos, iClass SE and iClass. Also supports OSDP, Wiegand and GPIO.

1. Select one option from each of the following sections

Reader Model (Select one model)



RB25F - Designed for door applications requiring a small footprint card reader.

| | _ | | |
|-------|-------|-----|-------|
| Wirin | ia Co | nne | ction |
| | | | |

🛛 N - Pigtail

Color

X K - Black

Keyset

00 - Standard (Non Elite)

☐ 01 - Elite (Your Elite Key / MOB Key will need to be provided)

2. Enter the numbers/letters from the previous selections into the following table

The resulting "Final Part Number" is used when ordering reader.

| | Reader Model | Wiring | Color | Keyset | |
|------------------------------|--------------|--------|-------|--------|-----------|
| Final Part Number (Standard) | RB25F | N | K | -00- | 0000-0000 |
| Final Part Number (Elite) | RB25F | N | К | -01- | 0000-0000 |

3. Place an order

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.

Contact information is available at: http://www.hidglobal.com/customer-service

Need credentials? Credentials supported by this reader model includes (depending on options chosen above):

- Mobile IDs
- iCLASS Seos
- iCLASS
- iCLASS SE
- MIFARE DESFire EV1
- MIFARE Classic



iCLASS SE Reader - Standard Profile

Application: Designed to ensure compatibility with legacy credentials and capability to support the future.

Technologies Supported: Wide variety of contactless credentials including HID Mobile Access Mobile IDs via NFC.



1. Select one from each of the following sections

Reader Model (Select one model) 900 - Model R10 - Designed for door 921 - Model RK40 - Designed for door applications requiring a small footprint card applications requiring standard wall switch mounting. Supports keypad input. 910 - Model R15 - Designed for door 940 - Model R90 - Designed for vehicle applications requiring a mullion style mounting. access applications requiring extended read range. 920 - Model R40 - Designed for door 95A - Décor model - Designed for door applications requiring standard wall switch applications requiring low profile EU square wall mounting. switch mounting. 125 kHz Credential Support (Select one option) ■ N - None P - Supports HID Prox, AWID and EM4102 (32 bits). Not available on models 940 or 95A. 🔲 L - Supports Indala Prox, please make sure to provide needed format at time of order. Not available on models 929, 940 or 95A. Not available with OSDP communication and/or Custom Programming or Transit. 13.56 MHz Credential Support (Select one option) MIFARE Classic (SIO) EVI E <u>∩</u> Mobile IDs via NFC MIFARE DESFire (SIO) MIFARE DESFire (Custom data) Mobile IDs via Bluetooth Smart **FARE Classic** ō MIFARE Classi (Custom data) **ISO14443 UID** Seos CAN ПОш SR ICLASS **ICLASS ICLASS ICLASS** FeliCa CEPAS ■ N - High security • ☐ T - Maximum compatibility ■ R - FeliCa and CEPAS¹ _ 0 0 0 0 0 0 0 0 ■ W - Custom programming² Supported O Optionally supported - Not supported ¹Not available on model 940. ²Consult your regional technical support representative for specific configurations. **Controller Communication (Select one option)** N - Wiegand C - Clock & Data P - OSDP

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| Wi | iring Connection (Select one option) |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | N - Pigtail (Not available on models 929, 940 or 95A) |
| | T - Terminal strip |
| | ardware Revision E - Revision E |
| | olor (Select one option) K - Black |
| | W - White. Only available on 95A model. |
| | G - Gray. Only available on 95A model. |
| | eyset (Select one option) O - Standard v1 - Supports credentials with default HID keys, including iCLASS and iCLASS SR. 2 - Standard v2 - Supports credentials with default HID keys, not including iCLASS and iCLASS SR. E - HID Elite - Supports credentials with HID Elite keys, including iCLASS and iCLASS SR, and/or Mobile IDs. Key reference (ICE or MOB) required at time of order. |
| _ | onfiguration Setting O000 - Standard configuration (not available on 929): |
| | 125 kHz Credential Support = N - None or P - Supports HID Prox, AWID and EM4102 (32 bits) 13.56 MHz Credential Support = T - Maximum Compatibility Controller Communication = N - Wiegand Keyset = 0 - Standard v1 or E - HID Elite LED normally red, LED flashes green and beeps on card read Keypad output is 4-bit (if keypad reader) |
| Ц | xxxx - Non-Standard configuration: ANY other options selected above requires a Non-Standard 4 digit extension. To order non-standard configuration options, use the Select tab on the iCLASS SE Configuration spreadsheet at the following link www.hidgloba.com/node/19914 . Your HID Global Support or Sales representative can help you determine your final configuration. |
| | |

2. Enter the numbers/letters from the selections above into the following table

The resulting "Final Part Number" is used when ordering reader.

| Reader Model | | 125 kHz | 13.56 MHz | Communication | Wiring | HW Rev | Color | Keyset | Config Setting |
|-------------------|-----|---------|-----------|---------------|--------|-----------|-------|--------|-------------------|
| Example | 920 | N | Т | N | Т | Е | K | 0 | 0000 |
| Final Part Number | | | | | | Е | | | |

3. Place an order

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.

 $Contact\ information\ is\ available\ at:\ \underline{www.hidglobal.com/customer\text{-}service}$

Need credentials? Credentials supported by this reader model include the following, depending on options chosen above:

- Mobile IDs
- iCLASS Seos
- <u>iCLASS</u>
- <u>iCLASS SE</u>
- MIFARE DESFire EV1
- MIFARE Classic

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iCLASS SE Express Reader

Application: Designed for mullion mount installations, Wiegand and pigtail compatibility.

Technologies Supported: iCLASS Seos, ISO14443 UID and HID Mobile Access Mobile IDs via NFC and/or Bluetooth Smart.





1. Select one option from each of the following sections to construct part number

| Reader | Model | (Select | one | model) |
|--------|-------|---------|-----|--------|
|--------|-------|---------|-----|--------|

| - | |
|---|--|
| | |
| | |
| | |
| | |
| | |
| | |
| | |

🗵 900 - Model R10 - Designed for door applications requiring a small footprint card reader.

| 125 kHz | Credential | Support |
|---------|------------|---------|
|---------|------------|---------|

№ - No 125 kHz support

| | 13.56 MHz and Blu | uetooth credential | support (| (Select one | option) |
|--|-------------------|--------------------|-----------|-------------|---------|
|--|-------------------|--------------------|-----------|-------------|---------|

| S - | Supports | iCLASS | Seos c | ards, | and | Mobile I | Ds v | ia NFC. | | | |
|-----|----------|--------|--------|-------|-----|----------|------|---------|-----|-----------|--------|
| В- | Supports | iCLASS | Seos c | ards, | and | Mobile I | Ds v | ia NFC | and | Bluetooth | Smart. |

| - | | | | | | | | | | | |
|---|------------|----------|---------|--------|-------|--------|---------|------|-----|---------|--------|
| l | C - | Supports | iCL ASS | Seos c | ards. | Mobile | IDs via | NFC. | and | ISO1444 | 3 UID. |

| th Smart and ISO14443 UI | C and Bluetooth S | Mobile IDs via NI | rts iCLASS Seos cards. | D - Supports |
|--------------------------|-------------------|-------------------|------------------------|--------------|
|--------------------------|-------------------|-------------------|------------------------|--------------|

Controller Communication

N - Wiegand

Wiring Connection

X N - Pigtail

Hardware Revision

F - Revision F

Color

X K - Black

Keyset (Select one option)

| 2 - Standard and Mobile-Ready - supports iCLASS Seos credentials with standard keys. Prepared to support HID Mobile Access, but |
|---------------------------------------------------------------------------------------------------------------------------------------|
| lacks the personalized configuration to read an organization's specific Mobile IDs. This configuration can be ordered at any time but |
| will require field activation after the organization has completed registration for HID Mobile Access. |

■ E - HID Elite and Mobile-Enabled - supports iCLASS Seos credentials and Mobile IDs. Fully activated and personalized to support an organization's specific Mobile IDs. These readers can only be ordered after the organization has completed registration for either HID Elite or HID Mobile Access. If HID Elite reference (ICE) is given at time of order, only iCLASS Seos credentials with HID Elite keys are supported. If Mobile Reference (MOB) is given at time of order, only iCLASS Seos credentials with standard keys are supported.

Configuration Settings

■ 0000 - Standard configuration. All iCLASS SE Express Readers ship with the following standard configuration:

■ LED normally red, LED flashes green and beeps on card read.

Non-standard configuration can be applied at time of installation using the HID Reader Manager mobile application available in the Apple App Store and Google play store.

xxxx - Non-Standard configuration: ANY other options selected above requires a non-standard 4 digit extension. To order non-standard configuration options, use the Build a new reader option on the HID Global Product Configurator website located at https://www.hidglobal.com/configure. Your HID Global Support or Sales representative can help you determine your final configuration.

2. Enter the numbers/letters from the selections above into the table below

The resulting "Final Part Number" is used when ordering reader.

| | Reader Model | 125 kHz | 13.56 MHz | Communication | Wiring | HW Rev | Color | Keyset | Config Setting |
|-------------------|-----------------|---------|-----------|---------------|--------|--------|-------|--------|-------------------|
| Example | 900 | N | S | N | N | F | K | 2 | 0000 |
| Final Part Number | 900 | N | | N | N | F | K | | 0000 |

3. Place an order

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service. Contact information is available at: http://www.hidglobal.com/customer-service

Need credentials? Credentials supported by this reader model includes (depending on options chosen above):

- Mobile IDs
- iCLASS Seos
- iCLASS Seos + Prox



iCLASS SE Biometric Reader - Wiegand or OSDP

Application: Designed for door applications requiring multi-factor authentication including biometric.

Technologies Supported: iCLASS Seos 8kB and iCLASS 16kb-32kb credentials.

1. Select one option from each section below

Reader Model (Select one model)

| 111 | CTTD CLASSIE* |
|-------|---------------|
| 7 1 7 | ((() |
| | |

| Ш | 928 - Model RKLB40 | - Designed for | door applications | requiring | multi-factor | authentication | including |
|-----|-------------------------|------------------|-------------------|-----------|--------------|----------------|-----------|
| bic | ometric. Featuring an L | .CD display, bio | metric sensor and | keypad. | | | |

125 kHz Credential Support

🛛 N - No 125 kHz support

13.56 MHz credential support (Select one option)

| | | | П | S - | - Supports | biometric | template | on iCLASS | Seos | credent | ial |
|--|--|--|---|-----|------------|-----------|----------|-----------|------|---------|-----|
|--|--|--|---|-----|------------|-----------|----------|-----------|------|---------|-----|

 $\ \ \Box$ **F** - Supports biometric template on iCLASS Seos, iCLASS SR and iCLASS credentials

Controller Communication (Select one option)

| ı ı n - vviedan | П | Ν- | Wiegan |
|------------------------|---|----|--------|
|------------------------|---|----|--------|

C - Clock & Data

□ P - OSDP - Coming soon, contact your HID Sales Representative

Controller Connection

X T - Terminal strip

Hardware Revision

E - Revision E

Color

X K - Black

iCLASS Support/Keyset (Select one option)

| 0 - Standard v1 - Supports iCLASS Seos, | iCLASS SR and iCLASS | credentials with | default HID keys. |
|-----------------------------------------|----------------------|------------------|-------------------|

- **2** Standard v2 Supports iCLASS Seos credentials with default HID keys.
- E HID Elite Supports iCLASS Seos, iCLASS SR and iCLASS credentials with HID Elite keys. Key reference (ICE or MOB) required at time of order.

Configuration Setting

Standard configuration iCLASS SE Biometric ship with the following features

- Controller Communication = N Wiegand or P OSDP.
- 13.56 MHz Credential Support = S iCLASS Seos or F iCLASS Seos, iCLASS SR and iCLASS.
- LED normally red, LED flashes green and beeps on card read.
- Controller PIN verification with Keypad output 4-bit (local PIN verification is a non-standard configuration).

These configuration options are represented by the following standard configuration setting extensions listed.

| Controller Communication | 13.56 MHz Credential Support | Extension |
|--------------------------|---------------------------------------|-----------|
| N. Wiegend | S - iCLASS Seos | □ оотб |
| N - Wiegand | F - iCLASS Seos, iCLASS SR and iCLASS | □ ооте |
| D. OCDD | S - iCLASS Seos | □ оотн |
| P - OSDP | F - iCLASS Seos, iCLASS SR and iCLASS | □ 00TF |

ANY other option selected (including Clock & Data communication) requires a Non-Standard configuration EXTENSION. To determine configuration options, use the Select tab on the iCLASS SE Configuration Guide spreadsheet at the following link: www.hidglobal.com/ node/19914. Your HID Global Support or Sales representative can help you determine your final configuration.

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2. Enter the numbers/letters from the selections above into the table below

The resulting "Final Part Number" is used when ordering reader.

| | Reader Model | 125 kHz | 13.56 MHz | Communication | Wiring | HW Rev | Color | Keyset | Config Setting |
|-------------------|-----------------|---------|-----------|---------------|--------|--------|-------|--------|-------------------|
| Example | 928 | N | F | N | Т | Е | K | 0 | xxxx |
| Final Part Number | 928 | | | | Т | E | K | | |

3. Place an order

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.

Contact information is available at: http://www.hidglobal.com/customer-service

Need credentials? Credentials supported by this reader model includes (depending on options chosen above):

- Mobile IDs
- iCLASS Seos
- iCLASS
- iCLASS SE
- MIFARE DESFire EV1
- MIFARE Classic



iCLASS SE Reader - Magnetic Stripe

Application: Designed to ensure compatibility with legacy credentials and capability to support the future.

Technologies Supported: Magnetic stripe cards and a wide variety of contactless credentials including HID Mobile Access Mobile IDs via NFC.



1. Select one option from each of the following sections

| Reader Model | (Select o | one model) |
|--------------|-----------|------------|
|--------------|-----------|------------|

| 1000 | will | No. | 10000 | and the same | |
|------|------|-----|-------|--------------|-----|
| | HE | | | | |
| | Ш | | | | |
| | | | | | |
| | Ш | | | | |
| | | | | | |
| 833 | | | | | |
| | Mi | | | | 197 |

922 - Model RM40 - Designed for door applications requiring standard wall switch mounting.



☐ **925 - Model RMK40** - Designed for door applications requiring standard wall switch mounting. Supports keypad input.

125 kHz Credential Support (Select one option)

■ N - No 125 kHz support

■ P - Support for HID Prox, AWID and EM4102 (32 bit)

13.56 MHz Credential Support (Select one option)

| | iCLASS Seos | iclass se | iclass sr | icLASS | MIFARE Classic (SIO) | MIFARE DESFire EV1 (SIO) | Mobile IDs via NFC | Mobile IDs via Bluetooth Smart | ISO1443 UID | MIFARE Classic (Custom data) | MIFARE DESFire EV1 (Custom data) |
|------------------------------------|-------------|-----------|-----------|--------|----------------------|--------------------------|--------------------|-----------------------------------|-------------|---------------------------------|-------------------------------------|
| ☐ T - Maximum compatibility | • | • | • | • | • | • | • | - | • | - | - |
| ■ N - High security Weigand | • | • | • | - | • | • | • | - | - | - | - |
| ☐ W - Custom programming* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | • | • |

Supported O Optionally supported - Not supported

Controller Communication (Select one option)

| Ш | N - Wiegand |
|---|------------------|
| П | C - Clock & Data |

P - OSDP

Wiring Connection (Select one option)

N - Pigtail

☐ T - Terminal strip

Hardware Revision

▼ E - Revision E

Color

🛛 K - Black

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^{*}Consult your regional technical support representative for specific configurations.



| 0 - Standard v1 - Reads credentials with default HID keys including standard iCLASS and/or iCLASS SR. |
|-------------------------------------------------------------------------------------------------------------------------|
| 2 - Standard v2 - Reads credentials with default HID keys not including standard iCLASS and/or iCLASS SR. |
| E - HID Elite - Reads credentials with HID Elite keys, including iCLASS and iCLASS SR, and/or Mobile IDs. Key reference |

(ICE or MOB) required at time of order.

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

2. Enter the numbers/letters from the selections above into the table below

The resulting "Final Part Number" is used when ordering reader.

| Reader Model | | 125 kHz | 13.56 MHz | Communication | Wiring | HW Rev | Color | Keyset | Config Setting |
|-------------------|-----|---------|-----------|---------------|--------|--------|-------|--------|-------------------|
| Example | 922 | N | N | N | Т | E | К | 2 | xxxx |
| Final Part Number | | | | | | Е | K | | |

3. Place an order

Configuration Settings

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.

Contact information is available at: www.hidglobal.com/customer-service.

Need credentials? Credentials supported by this reader model include (depending on options chosen above):

- Mobile IDs
- iCLASS Seos
- iCLASS
- iCLASS SE
- HID Prox
- MIFARE DESFire EV1
- MIFARE Classic

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pivCLASS Reader - FIPS 201 Strong Authentication

Application: Designed for applications that leverage the pivCLASS® Authentication Module (PAM) to validate FIPS 201 credential certificates for the highest level of security.

Technologies Supported: FIPS 201 credentials such as PIV, CIV, TWIC, CAC, and FRAC, and a wide variety of other contactless credentials.



Select one option from each section below

Reader Model (Select one model) 900 - Model R10 - Designe





923 - Model RKCL40 - Designed for door applications requiring standard wall switch mounting. Featuring a contact slot, LCD display, and keypad.





924 - Model RKCLB40 - Designed for door applications requiring standard wall switch mounting. Featuring a contact slot, LCD display, biometric sensor, and **keypad**.



applications requiring standard wall switch mounting. Supports keypad input.

921 - Model RK40 - Designed for door

125 kHz Credential Support (Select one option)

| | | | (| - 1 |
|---------------|------------|-------|---|---------|
| N - No | 125 kHz su | pport | | |

☐ **P** - Support for HID Prox, AWID and EM4102 (32 bit) (not available on model RKCLB40)

13.56 MHz credential support (Select one option)

H - Contactless. Supports PKI-Based FIPS 201 Credentials including PIV, PIV-I, CIV, CAC, TWIC and FRAC. This option is only available for models R10, R40 and RK40.

■ P - Contactless + Contact. Supports PKI-Based FIPS 201 Credentials including PIV, PIV-I, CIV, CAC, TWIC and FRAC. FIPS 201 type cards can be read using either the contact or contactless card interface (RKCL40). This option is only available for models RKCL40, and RKCLB40.

Controller Communication (Select one option)

R - RS485 FDX. Full duplex is required when connecting a pivCLASS reader to a PAM.

□ **P** - RS485 HDX OSDP. Half duplex connection requires a connection with an OSDP-compliant strong authentication controller infrastructure. Only available with RKCL40.

Controller Connection (Select one option)

N - Pigtail

☐ **T** - Terminal strip

Hardware Revision

X E - Revision E

Color

X K - Black

Keyset (Select one option)

🔲 **0** - Standard v1 - Reads credentials with default HID keys including standard iCLASS and/or iCLASS SR.

■ E - HID Elite - Reads credentials with HID Elite keys, including iCLASS and iCLASS SR, and/or Mobile IDs. Key reference (ICE or MOB) required at time of order.



Configuration Setting (Select one option)

Configuration setting extension for these reader models depends on the model and 125 kHz support chosen above, select from list below:

| Reader Model | 125 kHz Support | Extension |
|--------------|-----------------|-----------|
| R10/R40 | N - No | ☐ 032Y |
| | P - Yes | □ 0007 |
| RK40 | N - No | ☐ 033A |
| | P - Yes | □ 033B |
| RKCL40 | N - No | □ 032V |
| RRCL40 | P - Yes | □ 0008 |
| RKCLB40 | N - No | □ 0504 |

2. Enter the numbers/letters from the selections above into the table below

The resulting "Final Part Number" is used when ordering reader.

| Reader Model | | 125 kHz | 13.56 MHz | Communication | Wiring | HW Rev | Color | Keyset | Config Setting |
|-------------------|-----|---------|-----------|---------------|--------|--------|-------|--------|-------------------|
| Example | 900 | N | Н | R | Т | E | K | 0 | 032Y |
| Final Part Number | | | | R | | Е | K | | |

3. Place an order

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.

Contact information is available at: www.hidglobal.com/customer-service.

Need credentials? Credentials supported by this reader model includes (depending on options chosen above):

- iCLASS Seos
- iCLASS SE
- iCLASS
- HID Prox
- MIFARE DESFire EV1
- MIFARE Classic

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pivCLASS Reader - Wiegand or OSDP

Application: Designed to support FIPS 201 credentials and communicate to traditional intelligent controller using Wiegand or OSDP protocol.

Technologies Supported: FIPS 201 credentials such as PIV, CIV, TWIC, CAC, and FRAC and a wide variety of contactless credentials.

1. Select one option from each section below

| Reader Model (Select one model) | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 900 - Model R10 - Designed for door applications requiring a small footprint card reader | 921 - Model RK40 - Designed for door applications requiring standard wall switch mounting. |
| 920 - Model R40 - Designed for door applications requiring standard wall switch mounting. | 923 - RKCL40 - Combination, contact plus contactless reader with keypad and LCD. |
| 125 kHz Credential Support (Select one option) N - No 125 kHz support | |
| □ P - Support for HID Prox, AWID and EM4102 (32 bit) | |
| 13.56 MHz credential support (Select one option) H - Contactless. Supports PKI-Based FIPS 201 Credentials including PIV available for models R10, R40 and RK40. | /, PIV-I, CIV, CAC, TWIC and FRAC. This option is only |
| P - Contactless + Contact. Supports PKI-Based FIPS 201 Credentials inc typecards can be read using either the contact or contactless card inte | |
| Controller Communication (Select one option) | |
| $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | on with pivCLASS Authentication Module (PAM). |
| $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | guration. Not available for model with RKCL40. |
| Controller Connection (Select one option) N - Pigtail | |
| ☐ T - Terminal strip | |
| Hardware Revision E - Revision E | |
| Color K - Black | |
| iCLASS Support/Keyset (Select one option) | |
| $\ \square$ 0 - Standard v1 - Reads credentials with default HID keys including stan | ndard iCLASS and/or iCLASS SR. |
| ■ E - HID Elite - Reads credentials with HID Elite keys, including iCLASS a (ICE or MOB) required at time of order. | and iCLASS SR, and/or Mobile IDs. Key reference |

Configuration Setting

Obtaining individual pivCLASS reader configuration settings requires the use of the online Configuration Guide.

2. Enter the numbers/letters from the selections above into the table below

The resulting "Final Part Number" is used when ordering reader.

| Reader Model | | 125 kHz | 13.56 MHz | Communication | Wiring | HW Rev | Color | Keyset | Config Setting |
|-------------------|-----|---------|-----------|---------------|--------|--------|-------|--------|----------------|
| Example | 900 | N | Н | R | Т | E | K | 0 | XXXX |
| Final Part Number | | | | R | | E | K | | |

3. Place an order

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.

 $Contact\ information\ is\ available\ at:\ \underline{\mbox{http://www.hidglobal.com/customer-service}}$

Need credentials? This reader could support (depending on options chosen above) the following credentials:

- iCLASS Seos
- iCLASS
- iCLASS SE
- HID Prox
- MIFARE DESFire EV1
- MIFARE Classic



iCLASS SE U90 - UHF Long Range Reader

Application: Designed for vehicle access control installations which require long range authentication and high throughput. **Technologies Supported:** Ultra High Frequency (UHF) EPC GEN 2.

1. Select one option from each section below to construct part number

Reader Model (Select one model)



RDRSEU90 - Model U90® - Contactless Smart Card Long Range Reader: Surface or Pole Mount.

Antenna Code (Select one option, see table below)

8

□ 9

| Country | Operating Frequency | Antenna Code |
|-------------------|------------------------|-----------------|
| Argentina | 902 - 928 MHz | 9 |
| Austria | 865 - 868 MHz | 8 |
| Australia | 915 - 928 MHz | 9 |
| Belgium | 865 - 868 MHz | 8 |
| Brazil | 902 - 928 MHz | 9 |
| Bulgaria | 865 - 868 MHz | 8 |
| Canada | 902 - 928 MHz | 9 |
| China | 921 - 924 MHz | 9 |
| Columbia | 902 - 928 MHz | 9 |
| Croatia | 865 - 868 MHz | 8 |
| Cyprus | 865 - 868 MHz | 8 |
| Czech Republic | 865 - 868 MHz | 8 |
| Denmark | 865 - 868 MHz | 8 |

| Country | Operating Frequency | Antenna Code |
|------------|------------------------|-----------------|
| Estonia | 865 - 868 MHz | 8 |
| Finland | 865 - 868 MHz | 8 |
| France | 865 - 868 MHz | 8 |
| Germany | 865 - 868 MHz | 8 |
| Greece | 865 - 868 MHz | 8 |
| Hungary | 865 - 868 MHz | 8 |
| India | 865 - 867 MHz | 8 |
| Ireland | 865 - 868 MHz | 8 |
| Italy | 865 - 868 MHz | 8 |
| Latvia | 865 - 868 MHz | 8 |
| Lithuania | 865 - 868 MHz | 8 |
| Luxembourg | 865 - 868 MHz | 8 |
| Malta | 865 - 868 MHz | 8 |

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

Color

X K - Black

Keyset (Select one option)

NOTE: Keyset is factory-configured only and cannot be configured in the field, via web interface or configuration cards.

O - Standard Keyset

■ E - HID Elite keyset - reads only HID Elite credentials with corresponding keyset. Line item on PO requires ICE reference number.

2. Enter the numbers/letters from the selections above into the table below

The resulting "Final Part Number" is used when ordering reader.

| Product Class | | Product Sub Class | Base Reader | Antenna Code | Color | Keyset | Configuration Setting |
|----------------------|-----|-------------------|-------------|--------------|-------|--------|-----------------------|
| Example | RDR | SE | U90 | 8 | K | 0 | 0000 |
| Final Part Number | RDR | SE | U90 | | K | | 0000 |

3. Place an order

To place an order for this product, authorized channel partners may submit a purchase order to HID Global Customer Service.

Contact information is available at: http://www.hidglobal.com/customer-service.

Need credentials? This reader supports the following credentials:

- UHF cards
- UHF + iCLASS cards



iCLASS SE Reader Accessories

Configuration Cards

Use these cards for customer reader configuration. Readers may be reconfigured to a target configuration by applying the correct target configuration. Use the following link to access the iCLASS SE Configuration Worksheet www.hidglobal.com/node/19914 to determine the exact configuration required. Apply changes to the reader security using programming cards. Contact HID Technical Support (www.hidglobal.com/support) to ensure selecting the proper settings.

| Description | Part Number | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Description | Base Part No. | HID Elite (E) or Standard Security (0 or 2) | Configuration Settings1 | | |
| Reader Configuration Cards | | | -XXXX = Specific configuration | | |
| Reconfigure reader to factory configuration settings (does not reconfigure reader admin or credential keys) | SEC9X-CRD- | E = HID Elite Key ² O = Standard-1 key or standard-2 key ² | -0000 = Factory configuration (Rx models) -0001 = Factory configuration (RPx models) -0002 = Factory configuration (RKx models) -0003 = Factory configuration (RPKx models) | | |
| HID Elite Upgrade Cards ³ | SECON CDD | E = HID Elite Key ⁴ | -P000 = HID Elite reader admin keys | | |
| Setup iCLASS SE or multiCLASS® SE readers for HID Elite credential keys or Reader admin keys | SEC9X-CRD- | E = HID Elite Key ² | -P001 = HID Elite credential keys | | |
| HID Elite Downgrade Cards ³ Setup iCLASS SE or multiCLASS SE readers for standard credential keys or reader admin keys | | E = HID Elite Key ² | -P002 = Standard reader admin keys | | |
| | SEC9X-CRD- | O = Standard-1 key or standard-2 key | -P003 = Standard-1 credential keys -P004 = Standard-2 credential keys | | |

¹Configuration Settings

All standard readers ship with the following features - 13.56 MHz interpreter "T" enabled, Wiegand "N" enabled, and Standard-1 "0" security keys enabled. ANY other option selected requires a specific configuration EXTENSION. To order non-standard configuration options, use the following link to access the iCLASS SE Configuration Worksheet https://www.hidglobal.com/node/19914. Your HID Global Support or Sales representative can help you determine your final configuration.

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

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

²Kevs

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

³HID Elite Upgrade and Downgrade Cards

Reader admin keys and reader credential keys must both be changed to upgrade or downgrade to or from Elite. A separate card is required for reader admin keys and reader credential keys. A Reader Configuration Card with specific configuration extension SEC9X-0/E-XXXX or SEC9X-0/E-XXX(0, 1, 2, 3) is also be required to modify configuration options other than Elite keys, for example modification of 125 kHz or 13.56 MHz interpreters.

4Keys

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

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Accessories

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

| Part Number | Description |
|--------------------------------|------------------------------------------------------------------------------------------------------------|
| Mounting Plates, Spacers, Scre | ws and Accessory Kits |
| MDP-00354 | R10 / RP10 (or equivalent sized model) Mini Mullion Reader Mounting Plate, Black |
| 6309-103-01 | R15 / RP15 (or equivalent sized model) Mullion Reader Mounting Plate, Black |
| 6403-109-01 | R40 / RP40 (or equivalent sized model) Wall Switch Reader Mounting Plate, Black |
| 6094-101-01 | RK40 / RPK40 (or equivalent sized model) Wall Switch Keypad Reader Mounting Plate, Black |
| 6132AKB | R10 / RP10 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black |
| 6132AKC | R15 / RP15 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black |
| 6132AKT | R40 / RP40 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black |
| 6132AKU | RK40 / RPK40 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black |
| 6132AKE | R40 / RP40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black |
| 6132AK | RK40 / RPK40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black |
| 6132AKR | RM40 / RMK40 (or equivalent sized model) Reader Spacer, Angled, Black |
| 6132AKP | RM40 / RMK40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black |
| 6715-305-01 | R95A Reader, Cover Assembly, Décor, Euro, White |
| 6715-305-04 | R95A Reader, Cover Assembly, Décor, Euro, Black |
| MDP-00038 | R95A Reader, Cover Assembly, Décor, Euro, Grey |
| 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) |
| 6132AKB-M | R10 / RP10 BLE Reader Spacer, 12.7mm (0.5 in), Metallic Insert, Black |
| 6132AKC-M | R15 / RP15 BLE Reader Spacer, 12.7mm (0.5 in), Metallic Insert, Black |
| 6132AKT-M | R40 / RP40 BLE Reader Spacer, 12.7mm (0.5 in), Metallic Insert, Black |
| 6132AKE-M | R40 / RP40 BLE Reader Spacer, 25.4mm (1.0 in), Metallic Insert, Black |
| 6132AKU-M | RK40 / RPK40 BLE Reader Spacer, 12.7mm (0.5 in), Metallic Insert, Black |
| MME-00118 | R10 / RP10 BLE Reader Metallic Insert with Adhesive (order in conjunction with spacer or mounting plate) |
| MME-00119 | R15 / RP15 BLE Reader Metallic Insert with Adhesive (order in conjunction with spacer or mounting plate) |
| MME-00121 | R40 / RP40 BLE Reader Metallic Insert with Adhesive (order in conjunction with spacer or mounting plate) |
| MME-00122 | RK40 / RPK40 BLE Reader Metallic Insert with Adhesive (order in conjunction with spacer or mounting plate) |



IP65 Upgrade Kit

| For upgrading iCLASS SE Readers to IP65 Ingress Protection in the Field IP65 Kit Description (10) Pieces Per Kit | Part Number |
|------------------------------------------------------------------------------------------------------------------|---------------|
| IP65 Gasket Kit, (10) pcs per kit. For use with model R10 | IP65GSKT-R10 |
| IP65 Gasket Kit, (10) pcs per kit. For use with model R15 | IP65GSKT-R15 |
| IP65 Gasket Kit, (10) pcs per kit. For use with model R40 | IP65GSKT-R40 |
| IP65 Gasket Kit, (10) pcs per kit. For use with model RK40 | IP65GSKT-RK40 |

UHF Credential Card Holder

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

iCLASS SE and multiCLASS SE Bluetooth and OSDP Upgrade Kit

| For upgrading select iCLASS SE and multiCLASS SE Reader models to support Bluetooth and/or OSDP For detailed reader compatibility requirements, see https://www.hidglobal.com/reader-manager-system-requirements | Part Number |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Reader Module and Metalic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model R10 or RP10 | BLEOSDP-UPG-A-900 |
| Reader Module and Metalic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model R15 or RP15 | BLEOSDP-UPG-A-910 |
| Reader Module and Metalic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model R40 or RP40 | BLEOSDP-UPG-A-920 |
| Reader Module and Metalic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model RK40 or RPK40 | BLEOSDP-UPG-A-921 |

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EDGE Reader - Edge EVO Solo

| Edge EVO® Solo Model and Description | Image | Base Part | Rev | Color | Hardware Configuration | Additional Configuration |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| ESH400-K Standard Controller Single door, IP-based controller for single-door solo-based system. Single physical package. Door inputs/outputs are 4 external inputs, 2 outputs; on-board optical tamper (standard mount). One Wiegand / Clock-and-Data reader interface. For use indoor or outside in weatherproof enclosure. US single-gang, US double-gang or EU/APAC 60 mm mount. | THE STATE OF THE S | 83000 | С | K = Black | E = Externally-mounted reader. | |
| ESHR40-K Standard Controller / Reader and Module Single door, IP-based controller with integrated R40 iCLASS reader for single-door solo-based system. Two physical packages; IP-based reader for mount at access point and "Door Module" with interface to 4 external inputs, 2 outputs; optical tamper. Second reader possible an additional IO interface module (EWM-M or EDWM-M). For indoor use. Door Module mounted in secure location. US Single-gang or EU/APAC 60 mm mount. | TID. | 83120 | С | K = Black | I = Integrated controller / reader, with segregated module (separate physically installed device) containing discrete IO. | 000 = LED normally Red, Flash Green and beep on card read. |
| ESHR40-L Single-Output Controller / Reader and Module Single door, IP-based controller with integrated R40 iCLASS reader for single-door solo-based system. Two physical packages; IP-based reader for mount at access point and "Lock Module" with interface single (1) lock output. For indoor use. Door Module mounted behind reader in US Singlegang box, in hollow door frame or other secure location. Reader is US Single-gang or EU/APAC 60 mm mount. | THE THE | 83120 | С | K=Black | L = Integrated controller / reader, with segregated module (separate physically installed device) containing single discrete lock output. | 000 = LED normally Red, Flash Green and beep on card read. |
| ESHRP40-K Standard Controller / Reader and Module Single door, IP-based controller with integrated RP40 multiCLASS reader for single-door solo-based system. Two physical packages; IP-based reader for mount at access point and "Door / Wiegand Module" with interface to 4 external inputs, 2 outputs and one Wiegand / Clock-and-Data reader interface; Second reader possible using Wiegand reader. Optical tamper (standard mount). For indoor use. Door / Wiegand Module mounted in secure location. US Single-gang or EU/APAC 60mm mount. | 100 | 83125 | С | K = Black | I = Integrated controller / reader, with segregated module (separate physically installed device) containing discrete IO and Wiegand reader interface for second reader. | 000 = LED normally Red, Flash Green and beep on card read. |
| EWM-M Wiegand Module The "Wiegand Module" enables controller interface to one (1) Wiegand / Clock-and-Data reader interface. For use indoor or outside in weatherproof enclosure. | 8 | 83360 | А | K = Black | M = Mountable on US singlegang, EU / APAC 60mm electrical box. | |

For custom Indala Prox support, add a "-D" to the end of the EHR40-K, EHR40-L or EHRP40-K part number, and specify the Indala format to be programmed into the reader.



iCLASS Reader Accessories

| Part Number | Description |
|---------------------------|--------------------------------------------------------------------------------------|
| iCLASS Reader Accessories | |
| 6303-104-01 | Mini-Mullion Reader Mounting Plate for iCLASS SE R10, RP10 and iCLASS RW100 |
| 6309-103-01 | Mullion Reader Mounting Plate for iCLASS SE R15 and RP15 |
| 6402-103-01 | EU/Asian Reader Mounting Plate for iCLASS RW300 |
| 6403-109-01 | Wall Switch Reader Mounting Plate for iCLASS SE R40, RP40 and iCLASS RW400 |
| 6094-101-01 | Wall Switch Keypad Reader Mounting Plate for iCLASS SE RK40, RPK40 and iCLASS RWK400 |
| 6132AKB | Mini-Mullion Reader Spacer for iCLASS SE R10, RP10 and iCLASS RW100, Black |
| 6132AKC | Mullion Reader Spacer for iCLASS SE R15, RP15, Black |
| 6132AKD | EU/Asian Reader Spacer for iCLASS RW300, Black |
| 6132AKE | iCLASS Wall Switch Reader Spacer, Black (works with R40, RP40, RW400) |
| 6132AK | iCLASS Wall Switch Keypad Reader Spacer, Black (works with RK40, RPK40, RWK400) |
| 400-2D71-06 | iCLASS reader security screw (Qty 1) |



HID Proximity Readers

ProxPoint Plus Proximity Reader - 6005 / 6008

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom ² |
|---------------------------------------------------------------------------------------|------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------|---------------------|
| ProxPoint™ Plus Proximity Reader with Wiegand output with Clock and Data output | 6005 6008 | B B | G = Classic Charcoal Gray B = Classic Beige W = Classic White K = Classic Black 1 = Designer Black 2 = Designer Charcoal Gray 4 = Designer Wave Blue 5 = Designer White | B = Pigtail (18 inches/45.7 cm) L = Long Pigtail (9 feet/3 meters) ³ | 00 04 01 05 02 06 03 07 | XXXX Y |

^{*}Revision numbers and availability are subject to change without notice.

Notes:

²Consult Factory

¹Configuration Setting Options are as follows (factory programmed):

00 = Beep on, LED normally red, reader flashes green on tag read

01 = Beep off, LED normally red, reader flashes green on tag read

02 = Beep on, LED normally off, reader flashes green on tag read

03 = Beep off, LED normally off, reader flashes green on tag read

04 = Beep on, LED normally red, host must flash green

05 = Beep off, LED normally red, host must flash green

3An optional 9 foot pigtail is available through our HID European office and can also be available in the Americas and Asia Pacific regions via special order of 2,500 unit minimum order quantity. Call the HID

06 = Beep on, LED normally off, host must flash red and/or green

07 = Beep off, LED normally off, host must flash red and/or green

factory for pricing and lead-times.

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom |
|-------------------------|---------------|----------------------|---------------|------------------|-----------------------------------------------|--------|
| | | | | | | |

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To order, specify the following:



MiniProx Proximity Reader - 5365 / 5368

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom ² |
|--------------------------------------------------------------------------------|------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|
| MiniProx® Plus Proximity Reader with Wiegand output with Clock and Data output | 5365 5368 | E E | G = Classic Charcoal Gray B = Classic Beige W = Classic White K = Classic Black 1 = Designer Black 2 = Designer Charcoal Gray 4 = Designer Wave Blue 5 = Designer White | P = Pigtail (18 inches/45.7 cm) T = Terminal Strip H = Hazardous back box ³ | 00 04 01 05 02 06 03 07 | XXXX Y |

^{*}Revision numbers and availability are subject to change without notice.

Notes:

¹Configuration Setting Options are as follows (factory programmed):

00 = Beep on, LED normally red, reader flashes green on tag read

01 = Beep off, LED normally red, reader flashes green on tag read

02 = Beep on, LED normally off, reader flashes green on tag read

03 = Beep off, LED normally off, reader flashes green on tag read

²Consult Factory

04 = Beep on, LED normally red, host must flash green

05 = Beep off, LED normally red, host must flash green

06 = Beep on, LED normally off, host must flash red and/or green

07 = Beep off, LED normally off, host must flash red and/or green

To order, specify the following:

| Card R | eader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom ² |
|--------|-------------------|------------------|----------------------|---------------|------------------|--------------------------------------------|---------------------|
| | | | | | | | |

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 $^{{}^{3}}$ The hazardous back box option MiniProx is available in gray Terminal Strip only.



ProxPro Family Proximity Reader - 5455 / 5458 / 5355 / 5352 / 5358

| ProxPro Family Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom ² |
|--------------------------------------------------------------------------------------------|------------------|----------------------|-------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|---------------------|
| ProxPro® II Proximity Reader with Wiegand output with Clock & Data Output | 5455 5458 | В | G = Charcoal Gray B = Beige W = White K = Black | N = No Keypad, Pigtail (18 inches/45.7 cm) | 00 04 01 05 02 06 03 07 | XXXX Y |
| ProxPro Proximity Reader ^{5,6} with Wiegand output with Clock & Data Output | 5355 5358 | | G = Charcoal Gray | N = No Keypad, Terminal Strip | 00 09 10 11 14 19 20 21 23 | XXXX Y |
| ProxPro Proximity Reader with Serial output ⁷ | 5352 | A | B = Beige | K = Keypad³, Terminal Strip S = Keypad⁴, Terminal Strip | 00 09 10 11 14 19 20 21 23 | |

^{*}Revision numbers and availability are subject to change without notice.

00 = Beep on, LED normally red, reader flashes green on tag read
01 = Beep off, LED normally red, reader flashes green on tag read
05 = Beep off, LED normally red, host must flash green
05 = Beep off, LED normally red, host must flash green

02 = Beep on, LED normally off, reader flashes green on tag read
03 = Beep off, LED normally off, reader flashes green on tag read
07 = Beep off, LED normally off, host must flash red and/or green

00 = Buffer one key, no parity, 4 bit message 14 = Buffer one to five keys (Standard 26 bit output)

09 = Buffer one key, add compliment, 8 bit message (Dorado) 19 = Buffer four keys and add parity

10 = Buffer six keys and add parity
20 = Single Key buffering
11 = Buffer one key and add parity
21 = Supervision Mode
23 = Buffer one to 11 keys

Optional Glass Mount Kit for ProxPro and ProxPro II Readers = 5455AGM00.

To order, specify the following:

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom |
|-------------------------|---------------|----------------------|---------------|------------------|--------------------------------------------|--------|
| | | | | | | |

¹ProxPro II Configuration Setting Options are as follows (factory programmed):

²Consult Factory

³ProxPro Reader with Keypad (Hardware Option K Version): data is outputted over shared Wiegand cable. Reader processes keystrokes.

⁴ProxPro Reader with Keypad (Hardware Option S Version): (3 x 4 Matrix) requires additional 7 conductor keypad cable. Control panel processes keystrokes

⁵ProxPro Configuration Setting options are as follows (factory programmed):

⁶ProxPro reader Configuration Settings are selected by the customer via dip switch settings. 00 = LED normally red, reader flashes green on tag reads.

⁷ProxPro Serial output reads cards with up to 37-bit formats, and outputs RS232, RS422, and RS485.



ThinLine II Proximity Reader - 5395 / 5398

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom ² |
|-----------------------------------------------------------------------------|------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|---------------------|
| ThinLine II Proximity Reader with Wiegand output with Clock and Data output | 5395 5398 | С | G = Classic Charcoal Gray B = Classic Beige W = Classic White K = Classic Black 1 = Designer Black 2 = Designer Charcoal Gray 4 = Designer Wave Blue 5 = Designer White | 1 = Pigtail (18 inches/45.7 cm) | 00 04 01 05 02 06 03 07 | XXXX Y |

^{*}Revision numbers and availability are subject to change without notice.

Notes:

¹Configuration Setting Options are as follows (factory programmed):

00 = Beep on, LED normally red, reader flashes green on tag read

01 = Beep off, LED normally red, reader flashes green on tag read

02 = Beep on, LED normally off, reader flashes green on tag read

03 = Beep off, LED normally off, reader flashes green on tag read

²Consult Factory

04 = Beep on, LED normally red, host must flash green

05 = Beep off, LED normally red, host must flash green

06 = Beep on, LED normally off, host must flash red and/or green

07 = Beep off, LED normally off, host must flash red and/or green

To order, specify the following:

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom ² |
|-------------------------|------------------|----------------------|---------------|------------------|--------------------------------------------|---------------------|
| | | | | | | |

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MaxiProx Proximity Reader - 5375

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom ² |
|----------------------------|------------------|----------------------|-------------------|------------------|-----------------------------------------------|---------------------|
| MaxiProx® Proximity Reader | 5375 | А | G = Charcoal Gray | N = None | 00 | XXXX Y |

^{*}Revision numbers and availability are subject to change without notice.

Notes:

¹Configuration Setting 00 = LED normally red, reader flashes green on tag reads.

The MaxiProx reader configuration settings are selected by the customer via internal dip switch settings.

To order, specify the following:

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom ² |
|-------------------------|------------------|----------------------|---------------|------------------|-----------------------------------------------|---------------------|
| | | | | | | |

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²Consult Factory



EntryProx Proximity Reader - 4045

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom ² |
|----------------------------------------------------------------|------------------|----------------------|-------------------|------------------|-----------------------------------------------|---------------------|
| EntryProx™ Proximity Reader Stand-Alone Access Control Unit | 4045 | С | G = Charcoal Gray | N = None | UO | XXXX Y |

^{*}Revision numbers and availability are subject to change without notice.

Notes:

¹Configuration Setting U0 = LED normally red, reader flashes green on tag reads.

²Consult Factory

To order, specify the following:

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Custom ² |
|-------------------------|------------------|----------------------|---------------|------------------|--------------------------------------------|---------------------|
| | | | | | | |

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HID Proximity Reader Accessories

| Part Number | Description |
|-----------------------------|------------------------------------------------------------------------------|
| | Description |
| ProxPro Family 5455AGM00 | Class Maunt Vit Dray Dra and Dray Dra II Deadays |
| | Glass Mount Kit, ProxPro and ProxPro II Readers |
| 5350-113-01 | Bezel, ProxPro Reader with Keypad (Rev. A) - Charcoal Gray |
| 5350-113-02 | Bezel, ProxPro Reader (Rev. A) - Charcoal Gray |
| 5350-113-03 | Bezel, ProxPro Reader with Keypad (Rev. A) - Beige |
| 5350-113-04 | Bezel, ProxPro Reader (Rev. A) - Beige |
| 5355A-302-01 | Cover, ProxPro w/Keypad Reader (Rev. A) - Charcoal Gray |
| 5355A-302-02 | Cover, ProxPro Reader (Rev. A) - Charcoal Gray |
| 5355A-302-03 | Cover, ProxPro w/Keypad Reader (Rev. A) - Beige |
| 5355A-302-04 | Cover, ProxPro Reader (Rev. A) - Beige |
| 5350-101-01 | Base, ProxPro Reader (Rev. A) - Charcoal Gray |
| 5350-101-02 | Base, ProxPro Reader (Rev. A) - Beige |
| 5355A-306-01 | ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Gray Cover only |
| 5355A-306-02 | ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Beige Cover only |
| 5355A-306-03 | ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Gray Cover only |
| 5355A-306-04 | ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Beige Cover only |
| 5355A-306-05 | ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Gray Cover and Bezel |
| 5355A-306-06 | ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Beige Cover and Bezel |
| 5355A-306-07 | ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Gray Cover and Bezel |
| 5355A-306-08 | ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Beige Cover and Bezel |
| 5455-311-01 | Cover, ProxPro II Reader (Rev. B) - Charcoal Gray (No Bezel Required) |
| 5455-311-02 | Cover, ProxPro II Reader (Rev. B) - Beige (No Bezel Required) |
| 5455-311-03 | Cover, ProxPro II Reader (Rev. B) - Black (No Bezel Required) |
| 5455-311-04 | Cover, ProxPro II Reader (Rev. B) - White (No Bezel Required) |
| 30-0003-01 | Rubber Keypad Cover, ProxPro Reader (Rev. A) |
| 137-0005-11 | Connector Feed Back Nut and Washer, ProxPro Reader (Rev. A) |
| MiniProx | |
| 5365-371-01 | Classic cover, MiniProx Reader (Rev. E) - Charcoal Gray |
| 5365-371-02 | Classic cover, MiniProx Reader (Rev. E) - Beige |
| 5365-371-03 | Classic cover, MiniProx Reader (Rev. E) - Black |
| 5365-371-04 | Classic cover, MiniProx Reader (Rev. E) - White |
| New Look ¹ | |
| 5365-372-01 | Designer cover, MiniProx Reader (Rev. E) - Black |
| 5365-372-02 | Designer cover, MiniProx Reader (Rev. E) - Charcoal Gray |
| 5365-372-04 | Designer cover, MiniProx Reader (Rev. E) - Wave Blue |
| 5365-372-05 | Designer cover, MiniProx Reader (Rev. E) - White |
| ThinLine II | |
| 5395-104-01 | Classic cover, ThinLine II Reader (Rev. C) - White |
| 5395-104-02 | Classic cover, ThinLine II Reader (Rev. C) - Beige |
| 5395-104-03 | Classic cover, ThinLine II Reader (Rev. C) - Black |
| | |



| Part Number | Description |
|-----------------------|----------------------------------------------------------------|
| 5395-104-04 | Classic cover, ThinLine II Reader (Rev. C) - Charcoal Gray |
| New Look ² | |
| 5395-371-01 | Designer cover, ThinLine II Reader (Rev. C) - Black |
| 5395-371-02 | Designer cover, ThinLine II Reader (Rev. C) - Charcoal Gray |
| 5395-371-04 | Designer cover, ThinLine II Reader (Rev. C) - Wave Blue |
| 5395-371-05 | Designer cover, ThinLine II Reader (Rev. C) - White |
| MaxiProx | |
| 5370A-305-01 | Cover, MaxiProx Reader (Rev. A) - Gray |
| 5375-303-01 | Accessory Kit, MaxiProx Reader (Old wiring Diagram) (Rev. A) |
| 5375-313-01 | Accessory Kit, MaxiProx Reader (New wiring Diagram) (Rev. A) |
| 56-0002-01 | MaxiProx Reader Rubber Gasket (Rev. A) |
| ProxPoint Plus | |
| 6005-111-01 | Classic cover, ProxPoint Plus Reader (Rev. B) - White |
| 6005-111-02 | Classic cover, ProxPoint Plus Reader (Rev. B) - Beige |
| 6005-111-03 | Classic cover, ProxPoint Plus Reader (Rev. B) - Black |
| 6005-111-04 | Classic cover, ProxPoint Plus Reader (Rev. B) - Charcoal Gray |
| New Look ³ | |
| 6005-312-01 | Designer cover, ProxPoint Plus Reader (Rev. B) - Black |
| 6005-312-02 | Designer cover, ProxPoint Plus Reader (Rev. B) - Charcoal Gray |
| 6005-312-04 | Designer cover, ProxPoint Plus Reader (Rev. B) - Wave Blue |
| 6005-312-05 | Designer cover, ProxPoint Plus Reader (Rev. B) - White |
| Other | |
| 4045-390-03 | EntryProx Spare Parts Accessories Kit |
| 4045-303-01 | EntryProx Reader Replacement Antenna |
| 6020-302-01 | Accessory Kit, HSM |
| 33-0001-01 | RELAY, 1.00A-24VDC , SPDT-1 FO |
| 57-0001-02 | Key Ring for ProxKey® (Keyfob) |

¹MiniProx Covers will only fit MiniProx readers with removable covers series (Model # 5365E or later), and will NOT fit older versions with electronics potted into the cover (Model #s 5365A, 5365B, nor 5365C).

 $^{^2}$ Thinline II Designer Covers will only fit Thinline II readers (Model # 5395C or later), and will NOT fit Thinline II readers (Model #s 5395A nor 5395B).

³ProxPoint Plus Designer Covers will fit all ProxPoint Plus readers (Model # 6005B or later), and will NOT fit ProxPoint readers (Model # 6005A).



Indala Proximity Readers

Overview

Every part number consists of a base model number to indicate the type of product, and a letter or number to indicate each product option. Each product has a standard part number that includes default options, as indicated on the order guide. When an order is placed for a product, the base model number and all options must be specified. If you require any options that are different from the default options, you must also indicate those options at the time the order is placed. All part numbers must be complete to be accepted by HID's order entry system.

All reader orders must have the following information:

- BASE MODEL NUMBER
- STYLE
- READ RANGE
- TYPE
- COLOR
- OUTPUT FORMAT (reader's format or format number must also be given at time of order)

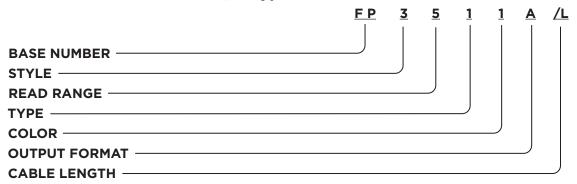
Advantage Series Reader - ASR 620

| Reader Model | Description | Notes |
|--------------|-------------------|---------------------------|
| ASR-620++ | Long Range Reader | |
| ASR-620++/L | Long Range Reader | w/10 foot (3 meter) cable |

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FlexPass Reader - FP Arch / Keypad



BASE NUMBER

FP = FlexPass (reader format required)

STYLE

- 3 = Arch
- **5** = Keypad
- **0** = Core Electronics Module

READ RANGE

- 5 = 5 in. (13 cm.) available in STYLES: Arch, TYPES: Slim and Wall switch
- 2 = 12 in. (30 cm.) available in STYLES: Arch TYPE: Midrange
- 0 = 4 in. (10 cm.) available only in STYLE: Keypad; TYPE: Keypad

TYPE

- 1 = Slim available in STYLES: Arch
- 2 = Wall switch available in STYLES: Arch
- 3 = Midrange available in STYLES: Arch
- 6 = Membrane Keypad available only in STYLE: Keypad
- **0** = Module only

COLOR

- 1 = Black available in STYLES: Arch TYPES: Slim, Wall switch, Midrange, Classic
- $\mathbf{0} = N/A$

OUTPUT FORMAT

Note: Aside from choosing below, specify reader's format or format no. (e.g. 26-bit Wiegand or format no. 10022).

- A = Standard Wiegand available in all STYLES and TYPES
- **S** = Serial available in STYLES: Arch TYPE: Midrange
- ${f B}$ = Buffered or 8-Bit Burst (must be specified) available only in Keypad STYLE and TYPE (Membrane or Heavy Duty)
- $M = 3 \times 4 \text{ Matrix}$

CABLE LENGTH

The default cable length for Indala modules is 18 inches (46 cm). No entry is needed for an 18 inch cable.

For Reader Cores an optional 10 ft (3 m) pigtail is available through the HID European, America and Asia Pacific offices. Requires a minimum 2,500 unit order quantity. Place /L in the 7th position for ordering the 10 ft (3 m) cable.

Note: Do not order Reader Packages with the 10 ft (3 m) cable. When ordering the 10 ft (3 m) cable, bezels must be ordered separately. Call Customer Service for assistance.



FlexPass Accessories

| Part Number | Description |
|-------------|--------------------------------------------------------------|
| 21211-001 | Enclosure Base, ASR-620 |
| 21212-001 | Enclosure Cover, ASR-620++ |
| FPZ1231A | Bezel Wave Style, Midrange Type, Black |
| FPZ1234A | Bezel Wave Style, Midrange Type, Blue |
| FPZ1511A | Bezel Wave Style, Slim Type, Black |
| FPZ1514A | Bezel Wave Style, Slim Type, Blue |
| FPZ1521A | Bezel Wave Style, Wallswitch Type, Black |
| FPZ1524A | Bezel Wave Style, Wallswitch Type, Blue |
| FPZ2511A | Bezel Curve Style, Slim Type, Black |
| FPZ2521A | Bezel Curve Style, Wallswitch Type, Black |
| FPZ3231A | Bezel Arch Style, Midrange Type, Black |
| FPZ3235A | Bezel Arch Style, Midrange Type, Grey |
| FPZ3236A | Bezel Arch Style, Midrange Type, White |
| FPZ3237A | Bezel Arch Style, Midrange Type, Beige |
| FPZ3511A | Bezel Arch Style, Slim Type, Black |
| FPZ3515A | Bezel Arch Style, Slim Type, Grey |
| FPZ3516A | Bezel Arch Style, Slim Type, White |
| FPZ3517A | Bezel Arch Style, Slim Type, Beige |
| FPZ3521A | Bezel Arch Style, Wallswitch Type, Black |
| FPZ3521H | Bezel Arch Style, Wallswitch Type, Black (HID) |
| FPZ3525A | Bezel Arch Style, Wallswitch Type, Grey |
| FPZ3526A | Bezel Arch Style, Wallswitch Type, White |
| FPZ3527A | Bezel Arch Style, Wallswitch Type, Beige |
| FPZ3527H | Bezel Arch Style, Wallswitch Type, Beige (HID) |
| FPZ4511A | Bezel Linear Style, Slim Type, Black |
| FPZ-4511A | Bezel Linear Slim Black Cover |
| FPZ4517A | Bezel Linear Style, Slim Type, Beige |
| FPZ4521A | Bezel Linear Style, Wallswitch Type, Black |
| FPZ4525A | Bezel Linear Style, Wallswitch Type, Grey |
| FPZ4526A | Bezel Linear Style, Wallswitch Type, White |
| FPZ4527A | Bezel Linear Style, Wallswitch Type, Beige |
| FPZ4551A | Bezel Linear Style, Slim Type, Black |
| FPZC1511H | Bezel, HID, Wave, Slim,5, Black |
| FPZC1514H | Bezel, HID, Wave, Slim, 5, Blue |
| FPZC1524H | Bezel, HID, Wave, Wallswitch, 5, Blue |
| XXZ112 | Bezel, Wave, Slim, 5, Blue |
| XXZ122 | Bezel, Wave, W/S, 5, Blue |
| XXZ321 | Bezel, Arch, W/S, Black |
| SH-003 | Indala Credentials Special Handling, New marking label codes |



2. HID Mobile Access

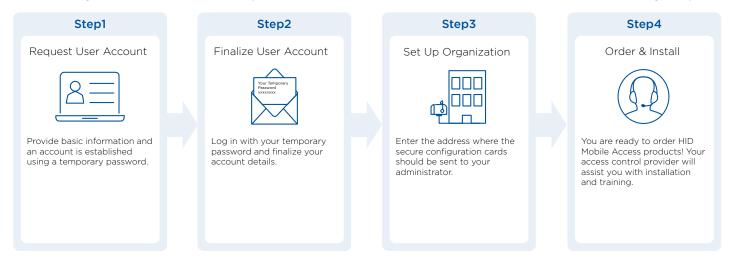
What Is HID Mobile Access?

HID Mobile Access* complements any access control solution by enabling building occupants to securely access the facility using Android and iOS mobile devices. HID Mobile Access, powered by Seos*, consists of the following components:

- HID ORIGO™ Management Portal: A cloud-hosted management portal that allows administrators to manage users, devices, and securely issue/revoke Mobile IDs.
- HID Mobile Access App: Easily downloaded on Google Play and Apple App Store and proven compatibility with the most popular mobile phones, tablets, and wearables.
- Mobile IDs: Powered by Seos credential technology, Mobile IDs are the virtual equivalent of the traditional contactless smart card.
- iCLASS SE* and multiCLASS* SE Readers: These flexible readers can be configured to securely authenticate with an organization's Mobile ID's via Bluetooth Smart and/or NFC communication standards.

Creating HID Mobile Access User Account

In order to use HID Mobile Access, an account in the HID Origo Management Portal is required. Once an end-user account has been created, the organization will be able to order products from its Access Control Provider and issue Mobile IDs to its building occupants.



To set up an end-user account please go to https://portal.origo.hidglobal.com/selfonboarding

After user account creation, the administrator will be given organization-specific identifiers required for ordering and for secure portal access:

| Part Number | Description |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mobile Keyset (MOB or ICE) | Mobile Keyset is a reference number for a set of cryptographic keys loaded into a reader. Mobile IDs, Mobile Key cards, and Mobile Admin cards will securely authenticate only with readers programmed with a matching keyset. An organization is assigned a Mobile Keyset upon registration into either the HID Elite (ICE) or HID Mobile Access (MOB) programs. The correct Mobile Keyset must be supplied when ordering mobile-enabled readers, Mobile IDs, subscription user licenses, Mobile Key cards, and Mobile Admin cards. |
| Organization ID | Organization ID is a reference number for a unique account within the HID Origo Management Portal. It is assigned at the conclusion of account registration. The correct Organization ID must be supplied when ordering Mobile IDs, subscription user licenses, and Mobile Admin cards. |



Ordering Information - Readers for HID Mobile Access

| Component | Details | Part Number | Supplemental Information Needed for Order |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------|
| Mobile-Ready Readers | Mobile-Ready readers are prepared to support HID Mobile Access but lack the personalized configuration (Mobile Keyset) to read an organization's specific Mobile ID's. These readers can be ordered at any time but will require field activation after the organization has completed registration for HID Mobile Access. To support a specific organization's Mobile IDs, these readers need to be personalized (Mobile Keyset loaded) using a Mobile Key Card or HID Reader Manager mobile application. | See <u>iCLASS SE Readers</u> section of the HTOG | |
| Mobile-Enabled Readers | Mobile-Enabled readers are fully activated and personalized to support an organization's specific Mobile ID's. These readers can only be ordered after the organization has completed registration for HID Mobile Access or HID Elite program. MOB or ICE Mobile Keyset will be required at time of order. | See <u>iCLASS SE Readers</u> section of the HTOG | MOB or ICE: Org Name: |
| Mobile Key Card | Configuration card used to personalize and activate a Mobile-Ready reader; converting it to a Mobile-Enabled reader. | SEC9X-CRD-E-MKYD | MOB or ICE: Org Name: |
| Mobile Admin Card | Configuration card which enables the use of the BLE Config App used to adjust Bluetooth range settings on Mobile-Enabled Readers. | SEC9X-CRD-MADD | MOB or ICE: Org Name: Org ID: |

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Ordering Information - Mobile Identities Service

Natively tracked formats (e.g. Corporate 1000™) are strongly recommended. Since HID will automatically generate and replenish Mobile IDs, the user license subscription model requires a tracked credential format – a format in which HID tracks the credential number to ensure no duplicates are ever created. To guarantee no collision with credential numbers on traditional cards, the same format should be used for both Mobile IDs and cards.

| User License Subscription | | | |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------|
| Component | Details | Part Number | Supplemental Information Needed for Order |
| User Licenses – Initial | When starting a subscription for HID Origo Mobile Identities, an order for User Licenses must be placed. The service start date begins on the date the order is processed by HID. User Licenses will be valid for one year and the service term end date will be set to the last day of month. Unlimited Mobile IDs will be automatically supplied to, and replenished in, the HID Origo Mobile Identities service as long as the subscription is active and in good standing. | MID-SUB-T100 | Org ID: Org Name: MOB or ICE: Format*: Subscription Start Date: (Optional) |
| User Licenses - Renewal | When renewing a subscription for HID Origo Mobile Identities service, an order for User Licenses must be placed. | MID-SUB-T100 | Org ID: Org Name: Contract ID: -RENEWAL |
| User Licenses – Add-on | To increase the number of User Licenses within a service term, an order for Add-on licenses must be placed. These user licenses will have a prorated price based on time remaining in term. They will coterminate and expire along with previously purchased licenses on the contract. | MID-SUB-T100-ADD | Org ID: Org Name: Contract ID: Subscription Start Date: (Optional) Org ID: (DD MMMM, YYYY) |
| Additional Credential Types | If, after initial onboarding account creation, a new credential type is needed (new format and/or keyset), an order must be placed. Quantity should always be 1. There is no charge for this transaction as unlimited credentials are included with subscription user licenses. | MID-SUB-CRD | Org ID: Org Name: MOB or ICE: Format*: |

^{*}Some formats will require additional information with the order.

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3. Credentials

Understanding HID Credentials

Can I configure my credential product online?

Yes, HID GLOBAL® is now offering the HID Global Product Configurator. This online tool will guide customers and partners toward the most suitable product for their needs. There are two main features available with this tool:

- Find by part number allows customers to enter an existing part number to see the specification of this credential.
- Build a credential helps customers construct a complete part number, including keyset and formatting information; everything
 needed to place an order. Customers will be able to download a PDF with all specifications of the credential they build to allow
 for a smooth ordering process.

HID Global Product Configurator: https://www.hidglobal.com/configure

What should I know about security keysets?

HID Signo™, iCLASS SE® readers and iCLASS® Seos® / iCLASS SE credentials offer two keyset security schemes, HID Elite and Standard.

The HID 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, SIO*-encoded iCLASS, MIFARE Classic (SIO) and MIFARE DESFire EV1 (SIO) credentials.
- SIO authenticity and privacy keys (media independent).
- Admin/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 HID Elite program, only site/company specific HID Elite credentials and configuration cards work with matching readers.

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 | Compatibility with these Credentials |
|--------------------------|---------------------------------------------------------------------------------------------|
| Version 1 | iCLASS Seos (+ Prox) iCLASS SE (+ Prox) iCLASS SIO encoded (+ Prox) iCLASS (+ Prox) |
| | MIFARE Classic (+ Prox) MIFARE DESFire EV1 (+ Prox) |
| Version 2 | iCLASS Seos (+ Prox) iCLASS SE (+ Prox) MIFARE Classic (+ Prox) MIFARE DESFire EV1 (+ Prox) |

How can I order HID Elite configured credentials?

- Direct customers of HID must be authorized to purchase components with HID Elite keys. If you are not authorized, you must
 have the key owner authorize you through the Authorization form.
- See http://www.hidglobal.com/services/secure-identity/credential-programs/iclass-elite-and-se-elite.
- Ensure the HID Elite flag is set in the part number (of readers, credentials and configuration cards).
- Al Purchase Orders for HID Elite components must be ordered with the HID Elite reference number (starts with ICE).

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How can I migrate from my current credential technology?

- iCLASS Existing Sites: When deploying credentials to an existing site with standard iCLASS credentials and readers the following steps provide a guideline to a recommended path:
 - 1. Purchasing iCLASS Seos + iCLASS cards along with HID Signo Readers Smart Profile credential support (supporting iCLASS cards), as this provides full interoperability with HID's latest credential and reader platform, as well as supporting installed iCLASS base.
 - 2. This provides options to upgrade security in the future without rip-and-replace of the newly purchased readers
 - 3. Once all readers on site are HID Signo the customer can begin ordering iCLASS Seos only cards.
 - 4. Once all cards in the population are iCLASS Seos, readers can be configured to support only iCLASS Seos 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 Seos or iCLASS SE Credentials, along with HID Signo Standard Profile Readers for full credential and reader interoperability, and a relaxed migration timeline.

What is the difference between iCLASS Seos, iCLASS SE and iCLASS credentials?

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

iCLASS SE credentials come with a single access control data payload, the SIO. iCLASS SE credentials are designed to work in an installation of HID Signo and iCLASS SE readers only and are not backwards compatible with iCLASS readers.

iCLASS credentials are offered either with or without an encoded SIO. For the SIO encoded option, this card will come with two access control data payloads: the SIO and iCLASS access control data payload. These credentials provide backward compatibility with currently deployed systems, maximizing compatibility. iCLASS credentials encoded with SIO should be purchased when the site needs legacy application support, or when the site plans to eventually migrate to SIO security. iCLASS credentials encoded with SIOs were previously marketed as iCLASS SR credentials.

iCLASS credentials are designed to work in an existing installation of standard iCLASS readers. iCLASS credentials are compatible with iCLASS, HID Signo and iCLASS SE readers.*

| Credential Type | | Works with HID Signo and iCLASS SE Readers* | Works with iCLASS Readers | Advantage |
|--------------------|------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| (CLASS' Seos' Card | iCLASS Seos | Yes | No | Best-in-class security and privacy protection, programmable card, portability, interoperability (standards based) and usability (read range). |
| ●iCLASS SE Card | iCLASS SE | Yes | No | Increased Security |
| iCLASS* Card | iCLASS, SIO encoded (Previously called iCLASS SR) | Yes (reading SIO or standard iCLASS access control application) | Yes (Reading standard iCLASS access control application) | Increased Security when reading SIO, maximum compatibility - works with iCLASS, HID Signo and iCLASS SE readers. |
| iCLASS* Card | iCLASS, without SIO encoding | Yes | Yes | |

^{*}Reader support depends on reader model and configuration selected.

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Credentials Marking

For information on Card Identification Markings, please see the "Card Identification Markings Application note", available for download at https://www.hidglobal.com/node/23025

Credential Marking Technology

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

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

Kev benefits:

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

Depending on the fulfillment center, customers may receive either inkjet or laser marked credentials during this transition period.

Notes:

- The numbering scheme and part number for existing part numbers will not change. Please contact your sales representative to see the new design and get sample cards.
- Due to the 3D nature of laser engraved markings, printing over these markings is not recommended as it may impact print quality.

Current Laser Marking Status by Region:

■ The Americas: Laser marking transition complete

EMEA: Transition in progressAPAC Region: Transition in progress

Understanding Credential Formats

The majority of physical access control credentials are programmed with an access control data "format". The format of the credential is sent to the controller by the reader and must match the format of the access control system. In some cases the format of the credential must also match the format of the reader before an output is sent.

Format Structure

Each format differs in structure by;

- Bit length (e.g. 26 bits, 37 bits)
- Number of fields (for example, H10301 26-bit has two fields; ID range and facility code)
- Field names (for example, facility code, site code, ID range etc.)
- Field length (for example H10301 26-bit has a 16-bit ID range and 8-bit facility code)
- Parity

Many formats share the same bit length but differ in structure and for this reason it is not possible to determine the required format number from the bit length alone. If an incorrect format is programmed into the card may not operate correctly with the access control system.

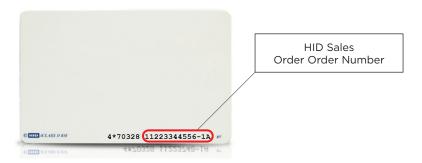
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What format do I need?

Existing Systems

If you are ordering cards for an existing system you must determine the format of the existing cards. The format number can be found in the original HID order acknowledgement information or card packaging. Most credentials are marked with the sales order number (see image below) allowing you to contact your local HID Global customer service team for information. HID Global will refer sales order number based enquiries to the order originator so that the format details can be established. Information relating to OEM/proprietary, end-user or other controlled formats will not be released to unauthorized parties.



New Systems

HID Global offers a range of open, tracked, end-user (Corporate 1000™) and OEM/proprietary formats. Contact your local sales or pre-sales representative for additional guidance.

Corporate 1000

HID Global's Corporate 1000 Program offers a fully managed end-user controlled solution for RFID card formatting and card number tracking. The Corporate 1000 Program benefits end-users with multiple locations and/or decentralized decision-making for card purchases. This alternative to in-house card production offers a variety of benefits including increased security and management of issuance over multiple purchasers or locations.

Key Benefits

- Card and associated data is more secure when programmed with a unique format.
- HID Global's managed service tracks card number sequences to prevent card number duplication.
- Choose to have one authorized source of supply or many; card numbers will not be duplicated.

See: https://www.hidglobal.com/services/secure-identity/credential-programs/corporate-1000

Common Formats

HID has many active Corporate 1000, OEM and open formats. A list of common formats are detailed below.

| Format Number | Description | Additional Fields | Number Range |
|------------------|-------------------------------------------------|------------------------------------|-------------------------|
| H10301 | Open 26-bit with Facility Code and ID Number | Facility Code (0-255) | 0-65535 (untracked) |
| H10302 | Tracked 37-bit ID Number | N/A | 0-34359738368 (tracked) |
| H10304 | Tracked 37-bit with Facility Code and ID Number | Managed Facility Code (0-65535) | |
| H10320 | Open ABA 8 digit ID Number | N/A | 0-9999999 (untracked) |
| Starts with "H5" | 35-bit Corporate 1000 | Fixed Company ID Code | 0-1048575 (tracked) |
| Starts with "H2" | 48-bit Corporate 1000 | Fixed Company ID Code | 0-8388607 (tracked) |

Untracked formats require the customer to specify the ID range, for example, H10301 and H10320 require customers to specify the required ID range. Tracked formats allow customers to request the next unused numbers, for example HID Global tracks H10302, H10304 and all Corporate 1000 formats.

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Format Compatibility

HID Global formats for example H10301, H10302 and Corporate 1000 are compatible across multiple credential product lines such as iCLASS Seos, iCLASS SE, CLASS, UHF, HID Prox and Mobile Access. However, some formats are product line specific. Refer to the table below for details.

Indala Formats - Label Code

Indala formats may be programmed into traditional HID Prox credentials, however E code markings are not compatible; choose marking options per the selected part number. Request a custom part number to meet specific marking requirements. If a credential is encoded with an Indala format, an Indala compatible reader is required.

| Format Type | Example Format Numbers | Compatible Credential Product Lines – includes multi-technology credentials containing the listed technology. | Reader Compatibility |
|---------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| | | HID Prox | HID Prox/HID Signo/ MultiCLASS SE |
| | H10301,H10302, | iCLASS, iCLASS SE, iCLASS Seos | HID Signo/iCLASS SE |
| HID | H10304, 35-bit | MIFARE Classic with SIO encoding | HID Signo/iCLASS SE |
| | Corporate 1000 & OEM formats | MIFARE DESFire with SIO encoding | HID Signo/iCLASS SE |
| | OEM formats | Mobile Access IDs | Mobile Enabled iCLASS SE |
| | | UHF | UHF (U90®) |
| HID ABA | H10320 | HID Prox | HID Prox/HID Signo/ multiCLASS SE |
| Indala Prox 125 kHz | 40134, 4038X | Indala Prox, HID Prox | Indala |
| Indala CX (Casi 125 kHz) | C10106 | Indala CX, HID Prox | Legacy Indala Casi CX (discontinued) / third party Casi compatible |
| ЕМ | EM4102 | Contact your local HID Global pre-sales or sales engineering representative to discuss requirements | HID Signo/multiCLASS SE / third party |
| Custom MIFARE DESfire EV1 or MIFARE Classic | - | Contact your local HID Global pre-sales or sales engineering representative to discuss custom format requirements | - |

Long Formats (HID Prox)

Not all products support HID Prox credentials encoded with formats longer than 37-bits (including Corporate 1000 48-bit).

| HID Prox Format Type | Example Format Numbers | Compatible HID Prox Product Lines | Incompatible Products |
|-------------------------|---------------------------|-----------------------------------|------------------------------|
| | H2xxxxx 48-bit | 6005/6008/5365/5368/5355/5 | eProx Lock, Serial ProxPro®, |
| Long Formats (>37-bits) | Corporate 1000, all other | 358/5395/5375 (manufactured | EntryProx™, ProxPass™ II |
| | formats >37 bits | after 2001) | EntryProx , ProxPass II |

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Understanding Credential Programming

How do I complete the programming section correctly?

For any given credential part number where a programmed option is selected you will need to enter the format number, field names (where applicable) and programming values into the programming section. If ordering a dual or triple technology credential complete the programming section for each technology. Mandatory fields depend on the part number selected.

Mandatory Programming Information

Format number
 Format field names
 Required for all programmed part numbers
 Required for formats with additional fields

■ HID Elite ICE number If required to support a matching HID Elite ICE reader

Mandatory Marking Information

Printed number range:
 Required for all external matching or non-matching options

Examples

Part Number: 5006PGGAN (programmed iCLASS Seos, matching external marking)

Quantity: 500

Format: H10301

Facility Code: 125

ID number range: **25,001 to 25,500**

| Format Number | |
|----------------------|--|
| H10301 | |
| HID Elite ICE number | |
| | |

| Field Name(s) e.g. Facility Code | Value |
|-------------------------------------|-------|
| Facility Code | 125 |
| | |
| | |

| uantit | y |
|--------|---|
| 00 | |
| 00 | |

| Encoded Start Number | Encoded Stop Number |
|-----------------------------|---------------------|
| 25,001 | 25,500 |
| Printed Start Number | Printed Stop Number |
| 25,001 | 25,500 |

Part Number: 5006PGGNN (programmed iCLASS Seos, no external marking)

Quantity: **1,000**

Format: O999123 (Custom OEM format with site code and installer code)

Elite Key: ICE999
Site Code: 156
Installer Code: 21

Number range: 1,001 to 2,000

| Format Number | |
|----------------------|--|
| | |
| HID Elite ICE number | |
| | |
| | |

| Field Name(s) e.g. Facility Code | Value |
|-------------------------------------|-------|
| Site Code | 156 |
| Installer Code | 21 |
| | |

| Quantity |
|----------|
| 1,000 |
| |

| Encoded Start Number | Encoded Stop Number |
|----------------------|---------------------|
| 1,001 | 2,000 |
| Printed Start Number | Printed Stop Number |
| | |

If you have any questions relating to credential technologies, marking, key management, formats or need help to complete your purchase order please contact HID Customer Service or your local sales representative.



iCLASS Seos Credentials

Note: Understanding HID Credentials on page 48 for guidance.

iCLASS Seos Card - 500

Increased security and interoperability cards for installation supporting HID Signo and iCLASS SE reader 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 Seos Me | mory Size and Allocation (Select one option) | | 3.370" (8.57 cm) → |
| ☐ 5 - 16K Bytes | | T | (account) |
| ☐ 6 - 8K Bytes ⁶ | | | |
| Secure Identity | Object™ Programming (Select one option) | | |
| ☐ P - Programme | d with Security Identity Object (SIO) | 2.125" (5.4 cm) | Front Packaging |
| ☐ V - Unprogram | med, for use with iCLASS SE Encoder | , , | |
| _ | (Select one option) with Gloss Finish | | |
| C - Custom Art | work with Gloss Finish - Specify Custom Artwork Number ¹ | <u>\</u> | |
| | (Select one option) with Gloss Finish ² | .033" = (0.084 cm) | Shared Card Edge |
| C - Custom Art | work with Gloss Finish - Specify Custom Artwork Number ¹ | I | |
| 1 - Plain White | with Gloss Finish with Magnetic Stripe ² | | |
| | work with Gloss Finish with Magnetic Stripe - n Artwork Number¹ | | Back Packaging |
| Card Numbering | ³ (Select one option) | | |
| M - Sequential | Matching Encoded/Printed (Inkjetted)⁵ | | |
| ■ N - No Printed | Card Numbering | | © IIIII ICLASS Seos JH 5*12345 YYYYYYYY-YY XT |
| S - Sequential E | Encoded/Sequential Non-Matching Printed (Inkjetted) ⁵ | , | CLASS See: 3H 3 12343 11111111-11 XT |
| R - Random En | coded/Non-Matching Sequential Printed (Inkjetted) ⁵ | | Y = Seos Programming |
| 🗌 A - Sequential I | Matching Encoded/Printed (Laser Engraved) | | 12345 = Card ID Number |
| ☐ B - Sequential E | Encoded/Sequential Non-Matching Printed (Laser Engraved |) | YYYYYYYYY = Sales Order Number |
| C - Random En | coded/Non-Matching Sequential Printed (Laser Engraved) | | |
| Slot Punch ⁴ (Sele | ect one option) | | |
| X N - No Slot Pur | nch | | |
| Packing (Option | • | | |
| | (shrink wrap) in standard box | | |
| Option - Custom | | | |
| Ш | (Specify Artwork Number - Refer to the Custom Artwork | Forms for ne | ew artwork) |



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

| Final Part Number | 500 | | N | - | (Options #) |
|-------------------|-----|--|---|---|-------------|
|-------------------|-----|--|---|---|-------------|

iCLASS Seos Card Programming Information

| Format Number | Field Name(s) e.g. Facility Code V | alue QTY | Encoded Start Number | Encoded Stop Number |
|-----------------|------------------------------------|----------|-----------------------------|----------------------------|
| | | | | |
| HID Elite ICE # | | | Printed Start Number | Printed Stop Number |
| | | | | |

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

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²Cards 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.

³The Printed card number is placed in the bottom right-hand corner on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

⁴Cards are not available with any slot punch option.

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

⁶Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for details.



iCLASS Seos + iCLASS Card - 522

Migration solution from iCLASS to Seos in HID Signo or iCLASS SE reader platform.

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

| Base Model | ☐ 522 Composite 40% Polyester / P\ | /C* | | |
|----------------------------------------------|------------------------------------------------------------------------------|------------------------------|------------------------|------------------------|
| | ory Size and Allocation | | | 3.370" |
| ⊠ 6 - 8K Bytes ⁶ | | _ | K | (8.57 cm) |
| _ | and Allocation (Select one option) | 1 | | |
| _ | 56 Bytes) with 2 Application Areas | | | |
| _ | K Bytes) Application areas 16k/2+16k/1 | 2.125" | | |
| ☐ 4 - CLASS 32k Bits (4 | K Bytes) Application areas 16k/16+16k/1 | (5.4 cm) | Fi | ront Packaging |
| _ | ming (Select one option) | | | |
| - | Security Identity Object (SIO) | | | |
| | or use with iCLASS SE Encoder | | | |
| iCLASS Programming | | | | |
| | Security Identity Object (SIO) ASS Access Control Application (recommended) | .033" (0.084 cm) | Sh | nared Card Edge |
| ☐ P - Programmed with | Security Identity Object (SIO) | I | | |
| $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | standard iCLASS Access Control Application | | | |
| C - Unprogrammed, for | or use with iCLASS SE Encoder | | В | ack Packaging |
| Front Packaging (Sele | ct one option) | | | |
| G - Plain White with G | iloss Finish | | | |
| C - Custom Artwork w | vith Gloss Finish - Specify Custom Artwork Number ¹ | | | |
| Back Packaging (Selec | ct one option) | | © IIIID ICLASS Seos JH | 5*12345 YYYYYYYY-YY xr |
| G - Plain White with G | iloss Finish ² | | | |
| C - Custom Artwork w | vith Gloss Finish - Specify Custom Artwork Number ¹ | | Y = Seos Prog | - |
| ☐ 1 - Plain White with Gl | oss Finish with Magnetic Stripe ² | | 12345 = Card I | |
| 3 - Custom Artwork w Specify Custom Artwo | vith Gloss Finish with Magnetic Stripe - ork Number ¹ | | YYYYYYYYYYY | Y = Sales Order Number |
| iCLASS Seos Card Nur | mbering³ (Select one option) | | | |
| ■ N - No Printed Card N | lumbering | | | |
| A - Sequential Matchin | ng Encoded/Printed (Laser Engraved) ⁵ | | | |
| ☐ B - Sequential Encode | ed/Sequential Non-Matching Printed (Laser Engraved |)5 | | |
| C - Random Encoded, | /Non-Matching Sequential Printed (Laser Engraved) ⁵ | | | |
| iCLASS Card Numberi | ng³ (Select one option) | | | |
| ■ N - No Printed Card N | lumbering | | | |
| A - Sequential Matchin | ng Encoded/Printed (Laser Engraved) ⁵ | | | |
| ☐ B - Sequential Encode | ed/Sequential Non-Matching Printed (Laser Engraved |) ⁵ | | |
| C - Random Encoded, | /Non-Matching Sequential Printed (Laser Engraved) ⁵ | | | |
| Slot Punch⁴ | | | | |
| X N - No Slot Punch | | | | |
| Option - Custom Artwe | | | | |
| (Sp | ecify Artwork Number - Refer to the Custom Artwor | k Forms for n | new artwork) | |
| Enter your final card o | ptions from check boxes above. Example: 522 | 63PSGGAA | N | |

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| Final Part Number | 522 | 6 | | | | N | _ | (Options #) |
|-------------------|-----|---|--|--|--|---|---|-------------|
| I mai Fait Number | 322 | " | | | | | | (Options #) |

iCLASS Seos Card Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|-----------------|----------------------------------|-------|-----|----------------------|---------------------|
| HID Elite ICE # | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

iCLASS Card Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|-----------------|----------------------------------|-------|-----|----------------------|---------------------|
| HID Elite ICE # | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

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

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²Cards 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. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

⁴Cards are not available with any slot punch option.

⁵Inkjetted option is not available for these cards.

⁶Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for details.

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



iCLASS Seos + Prox Card - 510

Migration solution from proximity to high security for support in HID Signo or iCLASS SE reader platform.

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

| Base Model 510 Composite 40% Poly | rester / PVC | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| iCLASS Seos Memory Size and Allocation (Select one opt | ion) ₊ | 3.370° (8.57 cm) → | | | | |
| 5 - 16K Bytes | 1 | | | | | |
| 6 - 8K Bytes ⁶ | | | | | | |
| Programming (Select one option) ☐ P - Programmed with Security Identity Object (SIO), HID Prox non programmed | 2.125" (5.4 cm) | Front Packaging | | | | |
| □ R - Both interfaces programmed: iCLASS Seos with Security Identity Object (SIO), 125 kHz programmed with HID of | or Indala format | | | | | |
| $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | Encoder | | | | | |
| Front Packaging (Select one option) G - Plain White with Gloss Finish | .033" | Shared Card Edge ———— 🗟 | | | | |
| ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork | | | | | | |
| Back Packaging (Select one option) G - Plain White with Gloss Finish ² C - Custom Artwork with Gloss Finish - Specify Custom Artwork 1 - Plain White with Gloss Finish with Magnetic Stripe ² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - | rk Number ¹ | Back Packaging | | | | |
| Specify Custom Artwork Number ¹ | | | | | | |
| iCLASS Seos Card Numbering ³ (Select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁵ | | © THIS ICLASS Sees JH 5*12345 YYYYYYYY-YY XT | | | | |
| N - No Printed Card Numbering | [| | | | | |
| S - Sequential Encoded/Sequential Non-Matching Printed (Inkj | etted) ⁵ | Y = Seos Programming | | | | |
| R - Random Encoded/Non-Matching Sequential Printed (Inkjet | | 12345 = Card ID Number YYYYYYYYYY = Sales Order Number | | | | |
| ☐ A - Sequential Matching Encoded/Printed (Laser Engraved) | | 11111111 - Sales Order Nulliber | | | | |
| ☐ B - Sequential Encoded/Sequential Non-Matching Printed (Las | er Engraved) | | | | | |
| ☐ C - Random Encoded/Non-Matching Sequential Printed (Laser | Engraved) | | | | | |
| Slot Punch⁴ | | | | | | |
| N - No Slot Punch N - No Slot P | | | | | | |
| 125 kHz Card Numbering³ (Select one option M - Sequential Matching Encoded/Printed (Inkjetted)⁵ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵ | B - Sequential Encod (Laser Engraved) | hing Encoded/Printed (Laser Engraved) ded/Sequential Non-Matching Printed d/Non-Matching Sequential Printed | | | | |



| Option - Custom Artw | | | Number - Re | ofor to | tha Custam | Λ κ+ | ork For | mc | for now | , artur | >r(c) | | |
|-----------------------|-----|-------------------------------------|---------------|---------|------------|------|---------|-------------------------|---------------|---------|------------------------|-----------------------|-----------|
| Enter your final card | | • | | | | | | | | / artwc | JIK) | | |
| Final Part Number | 5 | 10 | | | | | N | | | - | | (0 | ptions #) |
| iCLASS Seos Card F | rog | ramming | nformati | ion | | | | | | | | | |
| Format Number | | Field Name(s) e.g. Facility Code | | Value | G | TY | | Encoded Start Number | | | Encoded Stop Number | | |
| HID Elite ICE number | | | | | | | | | Printe | d Start | : Number | Printed Stop | Number |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 125 kHz Card Progra | amn | ning Info | rmation | | | | | | | | | | |
| Format Number | | Field Nam Code | e(s) e.g. Fac | ility | Value | G | ITY | | Encod Numb | | rt | Encoded Sto Number | р |
| | | | | | | L | | | | | | | |
| |] | | | | | - | | | Printe | d Start | Number | Printed Stop | Number |

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

²Cards 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. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

⁴Cards are not available with any slot punch option.

⁵Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

⁶Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for details.

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



iCLASS Seos + iCLASS + Prox Card - 520

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

| | | | | | | | | | | | | | | | | _ |
|------------------------------------------------|------------|-----------|---------|-----------|----------|---------|---------|--------------------|--------|---------------------|----------|--------------------------------|-------|------------------------|----------|-----|
| Base Model | | <u></u> 5 | 20 (| Comp | osite | 40% | Polye | ester | / PV | C* | | | | | | |
| iCLASS Seos Memory | | d Allo | ocatio | on | | | | | | | | | | 3.370" | | |
| ★ 6 - iCLASS Seos 8K By | • | | | | | | | | | | I | | | (8.57 cm) | <u></u> | |
| iCLASS Memory Size a | | | | 1:4: | | | | | | ^ | | | | |) | |
| ☐ 0 - iCLASS 2k Bits (25 | | | | | | | | | | | | | | | | |
| 3 - CLASS 32k Bits (4k | | | | | | | | | , | 0.405" | | | | | | |
| 4 - CLASS 32k Bits (4l | • | | | | - | +16K/1 | | | | 2.125" 5.4 cm) | | | Fro | nt Packaging | | |
| iCLASS Seos Programm P - Programmed with | | | | - | | | | | , | , | | | | | | |
| V - Unprogrammed, for | - | | - | | | | | | | | | | | | | |
| iCLASS Programming | | | | | oder | | | | | | | | | | | |
| S - Programmed with | • | | - | • | IO) | | | | | 🖠 | | | | | J | |
| and with standard iCL | - | | - | | | recom | mende | d) | .03 | , _{2"} | | | (hai | red Card Edge ==== | | TQP |
| □ P - Programmed with | | | | | | | | , | (0.08 | • | | | Jilai | ed card Edge | | ₹ |
| ☐ H - Programmed with | | | | | | Annlic | ation | | | | | | | | | |
| C - Unprogrammed, for | | | | | | прис | acion | | | | | | | | | |
| 125 kHz Programming | | | | | dei | | | | | | | | Bac | ck Packaging | | |
| P - Programmed with | | | - | | | | | | | | | | Dat | ok i dokaging | | |
| ■ N - HID Prox unprogra | mmed fo | or use | with i | iCLASS | SE En | coder | | | | | | | | | | |
| Front Packaging (Sele | | | | | | | | | | | | | | | | |
| G - Plain White with G | | | • | | | | | | | | | | | | | |
| C - Custom Artwork w | ith Gloss | Finis | sh - Sp | ecify C | ustom | Artwo | rk Nun | nber¹ | | | © HID IC | LASS Seos JH | | 5*12345 YYYYYYYYYYYYYY | хт | |
| Back Packaging (Selec | t one o | ptior | 1) | | | | | | | | | | | | | |
| G - Plain White with G | loss Finis | sh² | | | | | | | | | Y = | Seos | Progr | amming | | |
| C - Custom Artwork w | ith Gloss | Finis | sh - Sp | ecify C | ustom | Artwo | rk Nun | nber¹ | | | | 12345 = Card ID Number | | | | |
| 1 - Plain White with Gl | oss Finisl | h with | n Magr | netic St | ripe² | | | | | | YY | YYYYYYYYY = Sales Order Number | | | | |
| 3 - Custom Artwork w | ith Gloss | Finis | h with | Magne | etic Str | ipe - S | pecify | Custo | m Artı | work N | lumber | .1 | | | | |
| iCLASS Seos Card Nun | nbering | ³ (Se | lect c | one op | tion) | | | | | | | | | | | |
| ■ N - No Printed Card N | umbering | 9 | | | | | | | | | | | | | | |
| A - Sequential Matchir | ng Encod | led/P | rinted | (Laser | Engra | ved)⁴ | | | | | | | | | | |
| ■ B - Sequential Encode | d/Seque | ntial | Non-M | 1atchin | g Printe | ed (Las | ser Eng | graved |)4 | | | | | | | |
| C - Random Encoded/ | | _ | | | Printed | (Lase | r Engra | aved)4 | | | | | | | | |
| iCLASS Card Numberin | | | ne op | ption) | | | | | | | | | | | | |
| N - No Printed Card N | • | _ | | | | | | | | | | | | | | |
| A - Sequential Matchir | | | | | | | | | | | | | | | | |
| ■ B - Sequential Encode | | | | | _ | - | - | |)4 | | | | | | | |
| ☐ C - Random Encoded/ | | | | | Printed | (Lase | r Engra | aved)4 | | | | | | | | |
| Prox Card Numbering ³ | | | optio | on) | | | | | | | | | | | | |
| N - No Printed Card N | - | _ | | | _ | 15.4 | | | | | | | | | | |
| A - Sequential Matchir | | | | | | | _ | | . 4 | | | | | | | |
| B - Sequential Encode | | | | | | | | |)4 | | | | | | | |
| C - Random Encoded/ | /Non-Mat | tching | g Sequ | iential l | Printed | (Lase | r Engra | aved) ⁴ | | | | | | | | |
| Slot Punch ⁵ | | | | | | | | | | | | | | | | |
| N - No Slot Punch | aule1 | | | | | | | | | | | | | | | |
| Option - Custom Artwo | | worl. | Niumb | or. Do | for to | tha Cu | ctom ^ | rtwo | / E0** | oc for - | 2014/ 25 | two rl | .) | | | |
| | ecify Art | | | | | | | | | | | LWUIK | .) | | | |
| Enter your final card o | - | | cneck | N DOXE | s and | ve. EX | ample | ;. 3∠L | 0375 | PGGA | MAN | 1 - | | | | _ |
| Final Part Number | 520 | 6 | | | | | | | | | | N | - | (0 | ptions # |) |
| | | | | | | | | | | | | | | | | |



iCLASS Seos Card Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|----------------------|-------------------------------------|-------|-----|-----------------------------|----------------------------|
| | | | | | |
| HID Elite ICE number | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

iCLASS Card Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|----------------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| HID Elite ICE number | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

125 kHz Card Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|---------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

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

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²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo IIID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

 $^{^{3}\}mbox{The Printed card number is placed in the bottom right-hand corner on the back of the card.}$

⁴Inkjetted option is not available for these cards.

⁵Cards are not available with any slot punch option.

⁶Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for details.

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

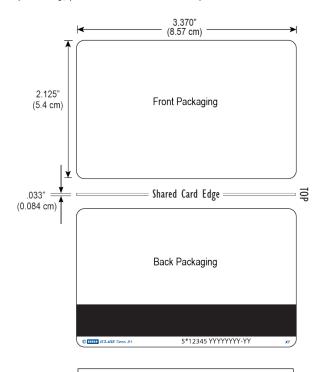


iCLASS Seos 8K with MIFARE Classic or DESFire EV1 Implementation - 5806/5906

Migration solution from MIFARE Classic 4K or MIFARE DESFire EV1 to Seos 8K in HID Signo or iCLASS SE reader platform.

Base Model 5806 Composite 40% Polyester / PVC* Seos 8K with MIFARE Classic 4K Implementation Base Model 5906 Composite 40% Polyester / PVC* Seos 8K with MIFARE DESFire EV1 8K Implementation

This product requires additional qualification and test activities, please refer to PLT-04003 for full technical details, product compatibility, part numbers and order process.



Y = Seos Programming 12345 = Card ID Number YYYYYYYYYY = Sales Order Number

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Seos Key Fob - 526

Portable Credential for Key Ring Applications.

Designed for HID Signo and single technology iCLASS SE and iCLASS SE Express Readers.

- This product is not compatible with the multiCLASS SE reader family.
- Please ensure that this page is completed and submitted alongside your first order to activate part numbers.
- Allow 1-2 days for part activation.
- See datasheet for compatibility and performance details.
- ☐ I have read the datasheet and understand that this product is not compatible with the multiCLASS SE reader family.

| Name | |
|---------|--|
| Company | |

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

■ 6-8K Bytes
 Secure Identity Chiest By a gramming (Select one outline)

Secure Identity Object Programming (Select one option) P - Programmed with Secure Identity Object (SIO)

☐ **V** - Unprogrammed, for use with iCLASS SE Encoder

Front Packaging

Memory Size

🛛 N - Black ABS body, grey TPE insert with HID logo

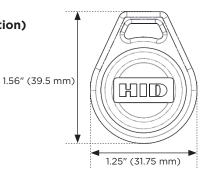
Back Packaging

X N - Seos logo and marking panel

Key Numbering¹

- N No external ID number
- A Sequential Matching Encoded/Printed (Engraved)
- ☐ **B** Sequential Encoded/Sequential Non-Matching Printed (Engraved)
- ☐ **C** Random Encoded/Non-Matching Sequential Printed (Engraved)

Front Packaging



Back Packaging



Y = Seos Programming

12345 = Card ID Number

YYYYYYYYYY = Sales Order Number

Enter your final options from the above selections. Example: 5266PNNA

| Final Part Number | 5266 | | N | N | |
|-------------------|------|--|---|---|--|
|-------------------|------|--|---|---|--|

Seos Programming Information

| Format Number | Field Name(Facility Cod |
|----------------------|-----------------------------|
| | |
| HID Elite ICE number | |
| | |

| Field Name(s) e.g. Facility Code | Value |
|-------------------------------------|-------|
| | |
| | |
| | |



| Encoded Start Number | Encoded Stop Number |
|-----------------------------|------------------------|
| | |
| Printed Start Number | Printed Stop Number |
| | |

¹The ID number is marked on the back of the key fob, all options include a printed sales order number

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²Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended.Contact your local sales or pre-sales representative for more information



Seos Clamshell - 565

Highly Durable Slot Punched Contactless Smart Card.

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

Memory Size Back Front ■ 6-8K Bytes **Secure Identity Object Programming (Select one option)** P - Programmed with Secure Identity Object (SIO) **Front Packaging** 3.37" (8.57 cm) ☐ **M** - Plain White Matte Vinyl with Seos logo ☐ **C** - Custom Artwork - Specify Custom Artwork Number¹ **Back Packaging** seos S - ABS Base with Molded HID Logo ☐ **C** - Custom Artwork - Specify Custom Artwork Number¹ 2.13" (5.4 cm) Key Numbering² ■ N - No external ID number ■ A - Sequential Matching Encoded/Printed (Engraved) ■ B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) ☐ **C** - Random Encoded/Non-Matching Sequential Printed (Engraved) **Slot Punch** X V - Vertical Slot Punch Enter your final options from the above selections. Example: 5656PMSAV **Final Part Number** ٧ 5656

Seos Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|----------------------|-------------------------------------|-------|-----|-----------------------------|------------------------|
| | | | | | |
| HID Elite ICE number | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

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

Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for more information.

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²The ID number is marked on the back of the clamshell, all options include a printed sales order number



Seos Essential Card - 550

A simple high security single application card for physical access control applications, supported by HID Signo and iCLASS SE reader platforms.¹

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

Base Model

■ 550 Composite (40% polyester/PVC)

Secure Identity Object™ programming²

P - Programmed with Secure Identity Object (SIO)

Front packaging

▼ G - Plain white with gloss finish

Back packaging³

▼ G - Plain white with gloss finish

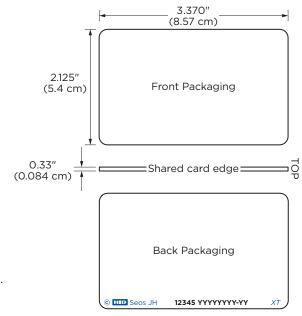
Card numbering⁴ (select one option)

- N No printed card numbering, sales number marking only
- A Sequential matching encoded/printed (laser engraved)
- B Sequential encoded/sequential non-matching printed (laser engraved)
- □ C Random encoded/non-matching sequential printed (laser engraved)

Slot punch

N - No Slot Punch

IMPORTANT: 550 credentials do not allow a slot punch due to antenna design. Use a badge holder to attach this card to a lanyard or badge clip.



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

Enter your final card options from check boxes above. For example, 550PGGAN

| Filial Fait (Milliber 550 F 6 |
|-------------------------------|
|-------------------------------|

Seos Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|-----------------|-------------------------------------|-------|-----|----------------------|------------------------|
| | | | | | |
| HID Elite ICE # | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

Seos Essential has limited availability in North America, please contact your local sales representativity for more information.

²This card does not support additional applications, the credential is programmed with a single SIO physical access control application and additional applications cannot be added.

³A small HID logo and reference number is printed in the lower left-hand corner on the back of the card. All cards are marked with sales order number regardless of card numbering option

⁴The printed card number is placed in the bottom right-hand corner on the back of the card.

Number

Printed Stop Number



Seos Essential + Prox Card - 551

Migration solution from proximity to high security for simple physical access control applications, supported by HID Signo and iCLASS SE reader platforms.1

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

| Base Model ☒ 551 | Composite (4 | 0% poly | ester/PVC) |) | | | | | |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------|------------|--------------|--------------------|----------------|-----------------------------|-------------------|
| Secure Identity Object P - Programmed with | | _ |)) | | | | - | 3.370" (8.57 cm) | → |
| 125kHz programming P - Programmed with N - HID Prox* unprog Front packaging | n HID or Indala® fo grammed for use w | rmat | S SE Encodei | - | | 2.125" (5.4 cm) | , F | ront Packagir | ng) |
| Back packaging ³ G - Plain white with g G - Plain white with g Seos card numbering N - No printed card r | gloss finish 4 (select one op | umber ma | | | 0.3 80.0) | 33" 4 cm) | SI | nared card ed | ge 70 P |
| ■ A - Sequential match ■ B - Sequential encode (laser engraved) ■ C - Random encoded (laser engraved) Slot punch | ed/sequential non | -matching | printed | | | | | Back Packagin | |
| N - No Slot Punch IMPORTANT: 551 creden Use a badge holder to a | | | | _ | | | © IIID Seos JH | 12345 YYYYYY | ΥΥ-ΥΥ ΧΤ) |
| 125kHz card numberi N - No printed card r A - Sequential match B - Sequential encode (laser engraved) C - Random encoded | ng ⁴ (select one of numbering, sales n ning encoded/print led/sequential non | option) umber ma red (laser e | rking only engraved) printed | | | | | d ID Number YY = Sales O | rder Number |
| (laser engraved) Enter your final card of | | | | example, 5 | 551PPG0 | SANA | | | |
| Final Part Number | 551 | Р | | G | G | i | | N | |
| Seos Programming | Information Field Name(s |) e.g. | | | | | | Encoded | Stop |

| Farmed Manufact | Field Nar |
|-----------------|-----------|

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number |
|-----------------|-------------------------------------|-------|-----|-----------------------------|
| | | | | |
| HID Elite ICE # | | | | Printed Start Number |
| | | | | |



Seos Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|---------------|-------------------------------------|-------|-----|-----------------------------|------------------------|
| | | | | | |
| | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

¹Seos Essential has limited availability in North America, please contact your local sales representativity for more information.

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²This card does not support additional applications, the credential is programmed with a single SIO physical access control application and additional applications cannot be added.

³A small HID logo and reference number is printed in the lower left-hand corner on the back of the card. All cards are marked with sales order number regardless of card numbering option

⁴The printed card number is placed in the bottom right-hand corner on the back of the card.



iCLASS SE Credentials

iCLASS SE Card - 300 / 305

Added security into installations that do not contain standard iCLASS readers, these cards are not available with iCLASS programming. 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 | % Po | liyester / PVC* |
|------------------------------------------------------------|--------------------------------------------|----------------------------------------|----------|-----------------------------------------|
| iCLASS Memory Size and Al | location (Select one option) | | | |
| ☐ 0 - 2k Bits (256 Bytes) with 2 | 2 Application Areas | T | | |
| 3 - 32k Bits (4K Bytes) Appli | cation areas 16k/2+16k/1 | | | |
| 🔲 4 - 32k Bits (4K Bytes) Appli | ication areas 16k/16+16k/1 | 2.125 | | . |
| Secure Identity Object Prog | ramming | (5.4 cn | n) | Front Packaging |
| □ P - Programmed with Securit | ty Identity Object (SIO) | | | |
| \square V - Unprogrammed, for use v | with iCLASS SE Encoder | 1 | | |
| Front Packaging (Select one | option) | <u>.</u> | | |
| ☐ G - Plain White with Gloss Fi | nish | | | 3.370" (8.57 cm) |
| C - Custom Artwork with Glo | oss Finish - Specify Custom Artwork N | lumber ¹ 0.033" | <u> </u> | (6.57 cm) |
| Back Packaging (Select one ☐ G - Plain White with Gloss Fi | - | (0.084 cm) | 1 | |
| | oss Finish - Specify Custom Artwork N | lumber ¹ | | |
| ☐ 1 - Plain White with Gloss Fin | | | | |
| 3 - Custom Artwork with Glo | | | | Back Packaging |
| Specify Custom Artwork Nur | | | | Note: 340 credential image may vary. |
| Card Numbering ³ (Select on | e option) | | | ,, |
| ■ M - Sequential Matching Enc | | | | © IIII MIFARE SE M1H 12345 YYYYYYYYY XT |
| ■ N - No Printed Card Number | ing | | | |
| S - Sequential Encoded/Sequ | uential Non-Matching Printed (Inkjette | ed) ⁷ | Y = iC | CLASS Programming |
| ☐ R - Random Encoded/Non-M | Natching Sequential Printed (Inkjetted) |) ⁷ | 12345 | s = Card ID Number |
| ☐ A - Sequential Matching Enc | oded/Printed (Laser Engraved) ⁴ | | YYYY | YYYY-YY = Sales Order Number |
| ☐ B - Sequential Encoded/Sequ | uential Non-Matching Printed (Laser E | Engraved)⁴ | | |
| C - Random Encoded/Non-M | Aatching Sequential Printed (Laser Eng | graved) ⁴ | | |
| Slot Punch⁵ (Select one opti | on) | | | |
| $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | can be slotted vertically, Printed Verti | cal Slot Indicators ⁶ | | |
| ☐ B - No Slot Punch. This card | can be slotted horizontally, Printed Ho | orizontal Slot Indicators ⁶ | | |
| | | | | |
| ☐ H - Horizontal Slot Punch ⁶ | | | | |
| Option - Custom Artwork ¹ | | | | |
| Specify A | Artwork Number - Refer to the Custom | n Artwork Forms for new a | rtwork | :) |

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

iCLASS Card Programming Information

| Format # | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|----------------------|----------------------------------|-------|-----|-----------------------------|---------------------|
| HID Elite ICE number | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

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

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²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo IIID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

⁵The Printed card number is placed in the bottom right-hand corner on the back of the card.

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

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

⁶The 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.

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

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



iCLASS SE + Prox Card - 315

■ N - No Printed Card Numbering

S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵
 R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵

■ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)
■ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)

☐ A - Sequential Matching Encoded/Printed (Laser Engraved)

Maximized compatibility with added security into installations that contain standard Prox credentials. These cards are not available with iCLASS programming, a composite fee applies to this card.

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

| Base Model | ☐ 315 Composite 40% Polyester / PVC | * | |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------|
| _ | and Allocation (Select one option)) with 2 Application Areas | | |
| ☐ 3 - 32k Bits (4K Bytes |) Application areas 16k/2+16k/1 | Ī | |
| 4 - 32k Bits (4K Bytes |) Application areas 16k/16+16k/1 | 2.125" | |
| P - Programmed with R - Both interfaces programmed | t Programming (Select one option) Security Identity Object (SIO), 125 kHz HID Prox unprogra ogrammed: iCLASS with Security Identity Object (SIO), 125 | (5.4 cm) | Front Packaging |
| programmed wth HID Front Packaging (Sele G - Plain White with G C - Custom Artwork v | ct one option) | 0.033" (0.084 cm) | 3.370" (8.57 cm) |
| | | | Back Packaging |
| 3 - Custom Artwork w Specify Custom Artwo | rith Gloss Finish with Magnetic Stripe - ork Number ¹ | | Note: 340 credential image may vary. |
| | d Numbering ³ (Select one option) ng Encoded/Printed (Inkjetted) ⁵ numbering | | D IIII MIFARE SE M1H 12345 YYYYYYYYY XT |
| S - Sequential Encoded | rd/Sequential Non-Matching Printed (Inkjetted) ⁵ /Non-Matching Sequential Printed (Inkjetted) ⁵ ng Encoded/Printed (Laser Engraved) | 12345 = | ASS Programming Card ID Number YYY-YY = Sales Order Number |
| ■ B - Sequential Encode | ed/Sequential Non-Matching Printed (Laser Engraved) ⁴ /Non-Matching Sequential Printed (Laser Engraved) | | |
| V - Vertical Slot Puncl125 kHz Card Numberi | is card can be slotted vertically, Printed Vertical Slot Indica | ators | |

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| Option - Custom Artwo | rk¹ | | | | | | | | |
|--------------------------|----------------------|--------------------|----------------|---------------|---------|----------|----------|------|----------------------------|
| | | rk Number - R | efer to the Cu | ıstom Artwork | Forms f | or new a | artwork) | | |
| Enter your final card or | otions fro | n check box | es above. Ex | cample: 3150 | PGGNN | IN | | | |
| Final Part Number | | | | | | | - | | (Options # |
| iCLASS Card Program | nming Inf | ormation | | | | | | | |
| Format Number | Field No | | Value | QTY | Fn | | tart Num | hou | Freeded Step Number |
| Format Number | Facility | me(s) e.g. Code | value | GIT | End | coded 5 | tart Num | iber | Encoded Stop Number |
| | | | | | | | | | |
| HID Elite ICE number | | | | | Pri | nted Sta | rt Numb | er | Printed Stop Number |
| | | | | | | | | | |
| | | | | | | | | | |
| 125 kHz Card Progran | nming Int | ormation | | | | | | | |
| | | | | | 1 | | | | |
| Format Number | Field Na Facility | me(s) e.g. Code | Value | QTY | End | coded S | tart Num | ber | Encoded Stop Number |
| | | | | | | | | | |
| | | | | | Pri | nted Sta | rt Numb | er | Printed Stop Number |
| | | | | | | | | | |

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

²Cards 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. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

⁴Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

⁵Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

1. 55 in [39.4 mm]

Ν



iCLASS SE Key - 325

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. The iCLASS SE key is not available with iCLASS programming.

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 (Select one option) 24 in O - 2k Bits (256 Bytes) with 2 Application Areas [6 mm] **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 (Select one option)** □ P - Programmed with Security identity Object (SIO) ☐ **V** - Unprogrammed, for use with iCLASS SE Encoder **Front Packaging** N - iCLASS Key II - Black with blue insert. Includes HID Standard Artwork **Back Packaging** N - None 1. 25 in [31.75 mm] **Key Numbering Shown - Front Packaging Option N** ■ N - No Printed Key Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁴ ☐ A - Sequential Matching Encoded/Printed (Engraved) **B** - Sequential Encoded/Sequential Non-Matching Printed (Engraved) ☐ **C** - Random Encoded/Non-Matching Sequential Printed (Engraved) Additional Options³ X N - None Enter your final card options from the above selections. Example: 3250PNNMN

325

Final Part Number

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|----------------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| HID Elite ICE Number | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

Ν

Ν

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

²Key Ring sold separately (Part Number: 57-0001-02).

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



iCLASS SE Tag - 330

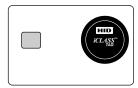
HID Elite ICE #

The iCLASS SE contactless smart Tag offers read/write capability while leveraging Security Identity Object for increased security. iCLASS SE enable existing credentials or non-metallic devices such as cell phones or PDAs by adhering the iCLASS Tag. The iCLASS SE Tag is not available with iCLASS programming.

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

| ■ 330 Base Model | | | | | | | | | | | |
|---------------------------------|----------------------|--------------------|-------------|-------------|------------|--------|--------|-----------|--------------|-------|---------------------|
| iCLASS Memory Size a | nd Alloca | tion (Sel | ect one | option) | | | | | | | |
| ☐ 0 - 2k Bits (256 Bytes | | | | | | | | | | | П |
| ☐ 3 - 32k Bits (4K Bytes |) Applicatio | n areas 16 | k/2+16k/ | 1 | | | | | | | |
| ☐ 4 - 32k Bits (4K Bytes |) Applicatio | n areas 16 | sk/16+16k | /1 | | | | | HID ® | | |
| Secure Identity Object | t Programi | ning (Se | lect one | option) | | | | ; | CLASS | ™ | 1.285" |
| ☐ P - Programmed with | Secure Ider | itity Objec | ct (SIO). | | | | | | TAG |]]] | (32.639mm) |
| V - Unprogrammed, fo | or use with i | CLASS SE | Encode | r | | | | | | /// | |
| Front Packaging (Sele | ct one opt | ion) | | | | | | | | | |
| K - Black with HID Sta | ndard Artw | ork | | | | | | | | | |
| C - Custom Artwork - | Specify Cus | tom Artw | ork Num | ber² | | | | Front | Packag | ing | |
| Back Packaging | | | | | | | | | | | 0.070" (1.78 mm) |
| 🛛 S - Adhesive Backing | | | | | | | | | | | (1.70 11111) |
| Tag Numbering1(Selec | t one opti | on) | | | | | | | | | |
| M - Sequential Matchi | ng Encoded | /Printed (| (Inkjetted |)4 | | | | | | | |
| ■ N - No Printed Tag Nu | mbering | | | | | | | | | | |
| S - Sequential Encode | d/Sequenti | al Non-Ma | tching Pr | rinted (Ink | jetted)4 | | | | | | |
| R - Random Encoded, | /Non-Match | ing Seque | ential Prin | ited (Inkje | tted)4 | | | | | | |
| Slot Punch | | | | | | | | | | | |
| X N - None | | | | | | | | | | | |
| Option - Custom Artw | ork¹ | | | | | | | | | | |
| (Sp | ecify Artwo | rk Numbe | er - Refer | to the Cu | stom Artwo | rk For | ms for | new artw | ork) | | |
| Enter your final Tag optio | ns from che | ck boxes | above. Ex | cample: 33 | 02PSSNN | | | | | | |
| Final Part Number | 330 | | | | s | | | N | - | | (Options #) |
| | | | | | | | | | | | |
| iCLASS Tag Program | ming Info | rmatior | า | | | | | | | | |
| _ | | | 1 | _ | | | | | | | |
| Format Number | Field Na Facility | ame(s) e.g Code | j. | Value | QTY | | Enco | ded Start | Number | Encod | ed Stop Number |
| | | | | | | | | | | | |







Contact Smart Chip

Magnetic Swipe card

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

¹The Printed tag number is placed on the back of the tag. In order to support laser marking technology HID will be transitioning from a white release paper to a black release paper. Please consult your sales Account Manager for more information.

 $^{^2\}mbox{For new artwork files, contact Customer Service for custom artwork number, lead-times, minimum order quantities, and cost.$

³The iCLASS Tag is not for use on cards that use full insertion or tractor feed type readers.

⁴Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.



iCLASS SE Clamshell Card - 335

Added security into installations that do not contain standard iCLASS readers, these cards are not available with iCLASS programming. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

| ■ 335 Base Mode | <u> </u> | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| imageiCLASS Memo 1 0 - 2k Bits (256 By Secure Identity Obj 1 P - Programmed w 1 V - Unprogrammed 1 Front Packaging (So 1 M - Plain White Vin 1 G - Plain White wit 1 C - Custom Artwor 1 Back Packaging (So 1 S - Base with Moldi 1 C - Custom Artwor 1 Card Numbering ² (So 1 M - Sequential Mate 1 N - No Printed Card 1 S - Sequential Enco 1 S - Random Encod 2 Slot Punch 2 V - Vertical Slot Pur 2 Option - Custom Art 2 Enter your final card of | tes) v ect P ith Se d, for elect y with Glose k - Sp elect ed HII k - Sp dd Nun oded/ ed/N nch twor (Spec | rogricurit use wone h Mass Fir pecify one Encorporate tone is Sequential on the control of the c | Application Applic | (Select (Object (Select (Object (Select (Selec | one optically on | (Inkjetted) | 3.3 (8.41 d) ³ 3 | | Fi Y = 1233 YYY | 45 = Car YYYYYY | Prog d ID I | ramming Number Sales Or | (Base) Back Packaging | 3.370" (8.57 cm) | 070° 8 cm) |
| Final Part Number | 33 | 55 | | | | | | | | ٧ | - | | | (Options | #) |
| | | | | | | | • | | | | | | | | _ |
| iCLASS Card Prog | ramı | ming | g Inform | ation | | | | | | | | | | | |
| Format Number | | | d Name(s ility Code | | Value | | QTY | | En | coded S | itart I | Number | Encoded S | Stop Numbe | r |
| IIID Elite ICE # | | | | | | | |] | Desi | inted Ct | aut Ni | unala a u | Duinte d Ct | an Numahan | |

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

²The Printed card number is placed in the top left-hand corner on the back of the card. HID logo molded into base on back. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

³Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.



iCLASS SE + Other HF Card - 391

The SIO-Enabled iCLASS with MIFARE Classic or MIFARE DESFire EV1 contactless smart card offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. This card offers maximized compatibility installations that contain iCLASS SE or MIFARE Classic / MIFARE DESFire EV1 credentials.

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

| Base Model | ☐ 391 Composite 40% Polyester / PVC* | | |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------|
| _ | and Allocation (Select one option) s) with 2 Application Areas | 1 | |
| 3 - 32k Bits (4K Byte | es) Application areas 16k/2+16k/1 es) Application areas 16k/16+16k/1 | 2.125" (5.4 cm) | Front Packaging |
| | Select one option) med with Secure Identity Object (SIO), 2 nd Technology ecure Identity Object (SIO) | <u>,</u> | 3.370° (8.57 cm) |
| | med with Secure Identity Object (SIO), 2 nd Technology ise with iCLASS SE encoder (HID MIFARE or custom encoding) | 0.033" (0.084 cm) | (6.57 cm) |
| | med with Secure Identity Object (SIO), 2 nd Technology ID MIFARE Classic or custom MIFARE Classic IF only). | ı | |
| | mmed for use with iCLASS SE Encoder, 2 nd Technology ecure Identity Object (SIO) | | |
| | mmed for use with iCLASS SE Encoder, 2 nd Technology use With iCLASS SE encoder (HID MIFARE or custom encoding) | | OPTIONAL MAGNETIC STRIPE 1/2" (HICO/HIGH ENERGY - 40000E) 1/27-455 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY |
| | mmed for use with iCLASS SE Encoder, 2 nd Technology se with iCLASS SE encoder (SIO, HID MIFARE or custom encoding) | | |
| _ | echnology (Select one option) K Bytes (only available with iCLASS 2k bits) | | 5 = Card ID Number YYYYY-YY = Sales Order Number |
| N - MIFARE Classic 4K - MIFARE DESFire | · | | |
| Front Packaging (Sel | ect one option) | | |
| Back Packaging (Sele | ect one option) Gloss Finish ² | | |
| 1 - Plain White with G | with Gloss Finish - Specify Custom Artwork Number ¹ Gloss Finish with Magnetic Stripe ² | | |
| iCLASS SE Card Num | with Gloss Finish with Magnetic Stripe - Specify Custom Artwork bering ³ (Select one option) | Number ¹ | |
| N - No Printed Card | ning Encoded/Printed (Inkjetted) ⁶ Numbering led/Sequential Non-Matching Printed (Inkjetted) ⁵ | | |
| R - Random Encoded | d/Non-Matching Sequential Printed (Inkjetted) ⁵ sing Encoded/Printed (Laser Engraved) | | |
| B - Sequential Encod | ded/Sequential Non-Matching Printed (Laser Engraved) | | |

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Slot Punch

| IMPORTANT - Dual High | | - | | ot allow a s | slot punch | due to t | he | antenna de | esign. I | HID reco | ommends using | g a badge |
|--------------------------------|--------|-------------------------------|-------------|--------------|------------|----------|-----|--------------------|----------|----------|---------------------|-------------|
| holder to attach this c | ard to | a lanyard or b | adge clip. | | | | | | | | | |
| X N - No Slot Punch | | | | | | | | | | | | |
| 2 nd High Frequency | | | | | ct one o | ption) | | | | | | |
| M - Sequential Mat | ching | Encoded/Prin | ted (Inkjet | ted)⁵ | | | | | | | | |
| N - No Printed Car | d Nun | nbering | | | | | | | | | | |
| S - Sequential Enc | oded/ | Sequential No | n-Matching | g Printed (I | nkjetted) | 5 | | | | | | |
| R - Random Encod | led/No | on-Matching S | equential F | Printed (Inl | kjetted)⁵ | | | | | | | |
| 🗌 A - Sequential Mat | ching | Encoded/Print | ted (Laser | Engraved) |) | | | | | | | |
| ☐ B - Sequential Enc | oded/ | Sequential No | n-Matching | g Printed (I | Laser Eng | raved) | | | | | | |
| C - Random Encod | led/No | on-Matching S | equential F | Printed (La | ser Engra | ved) | | | | | | |
| Option - Custom Ar | tworl | K ¹ | | | | | | | | | | |
| | (Spec | ify Artwork Nu | ımber - Re | fer to the (| Custom A | rtwork F | orn | ns for new | artwor | k) | | |
| Enter your final card o | ptions | from the abo | ve selectio | ns. Examp | le: 3914RN | IGCMNM | | | | | | |
| Final Part Number | | | | | | N | | | - | | | (Options #) |
| | | | | | | | | | | | | |
| iCLASS SE Card P | rogra | amming Info | ormation | 1 | | | | | | | | |
| | | | | | | | _ | | | | | |
| Format Number | | Field Name(s Facility Code | . • | Value | G | TY | | Encoded S | tart N | umber | Encoded Sto | p Number |
| | | | | | | | | | | | | |
| HID Elite ICE # | | | | | _ | | | Printed Sta | art Nu | nber | Printed Stop | Number |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 2 nd 13.56 MHz tech | nolo | gy Card Pro | grammi | ng Inforr | mation | | | | | | | |
| | | | | | | | | | | | | |
| Format Number | | Field Name(s Facility Code | | Value | Q | TY | | Encoded S | tart N | umber | Encoded Sto | p Number |
| | | | | | | | | | | | | |
| HID Elite ICE # | | | | | | | | Printed Sta | art Nu | mber | Printed Stop | Number |

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

²Cards 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. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

 $^{^5}$ Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

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



iCLASS SE + Other 13.56 MHz + Prox Card - 396

The SIO-enabled card with MIFARE Classic or MIFARE DESFire EV1 contactless smart card as well as HID Proximity offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. This card offers maximized compatibility into installations that contain iCLASS SE or MIFARE Classic / MIFARE DESFire EV1 credentials.

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

| Base Model | ☐ 396 Composite 40% Polyester / PVC* | | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| _ | d Allocation (Select one option) 2 Application Areas (only available with MIFARE Classic | 1K) | |
| ☐ 3 - 32k Bits (4K Bytes) App | olication areas 16k/2+16k/1 | | |
| ☐ 4 - 32k Bits (4K Bytes) App | olication areas 16k/16+16k/1 | 1 | |
| _ | d Programming (Select one option) ith Secure Identity Object (SIO), 2 nd Technology entity Object (SIO) | 2.125" (5.4 cm) | Front Packaging |
| | th Secure Identity Object (SIO), 2 nd Technology h iCLASS SE encoder (HID MIFARE or custom encoding) | , | |
| ☐ A - iCLASS unprogrammed programmed with Secure Id | for use with iCLASS SE Encoder, 2 nd Technology dentity Object (SIO) | 1 | 3.370" (8.57 cm) |
| ∇ - iCLASS unprogrammed unprogrammed for use with (SIO, HID MIFARE or custor) | | 0.033" (0.084 cm) | |
| 2 nd High Frequency (13.56 I | MHz) Technology (Select one option) | | |
| ☐ M - MIFARE Classic 1K Byte | s (only available with iCLASS 2k bits) | | |
| ☐ N - MIFARE Classic 4K Byte | es | | |
| ☐ K - MIFARE DESFire EV1 8k | C Bytes | | OPTIONAL MAGNETIC STRIPE |
| 125 kHz Technology Card P | rogramming (Select one option) | | 1/2" (HICO/HIGH ENERGY - 40000E) 1/2" (HICO/HIGH ENERGY - 40000E) 1/2" (1/2/45S 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY |
| P - Programmed with HID F | Prox or Indala format. | | 12040 112040 11111111111 |
| C - Programmed with CASI | Prox. | | |
| ■ N - Unprogrammed HID Programmed | DX. | 12345 | = Card ID Number |
| Front Packaging (Select or | - | YYYY | YYYY-YY = Sales Order Number |
| G - Plain White with Gloss F | | | |
| | loss Finish - Specify Custom Artwork Number ¹ | | |
| Back Packaging (Select on | - | | |
| ☐ G - Plain White with Gloss F | | | |
| _ | loss Finish - Specify Custom Artwork Number ¹ | | |
| ☐ 1 - Plain White with Gloss F | | | |
| | loss Finish with Magnetic Stripe - Specify Custom Artwor | k Number¹ | |
| iCLASS SE Card Numbering | | | |
| ■ M - Sequential Matching En | | | |
| N - No Printed Card Number | | | |
| | quential Non-Matching Printed (Inkjetted) ⁴ | | |
| | Matching Sequential Printed (Inkjetted) ⁴ | | |
| | coded/Printed (Laser Engraved) | | |
| | quential Non-Matching Printed (Laser Engraved) | | |
| □ C - Random Encoded/Non- | Matching Sequential Printed (Laser Engraved) | | |

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| S | lot. | DII | nch | • |
|---|------|-----|-----|---|
| | | | | |

| Slot Punch | | | | | | |
|------------------------------------|-------------------------------------|-----------------|------------------|--------|-----------------------------|---------------------|
| IMPORTANT - Dual High Fi | | | | | | |
| HID recommends using a b | padge holder to attach this | card to a lany | ard or badg | je cli | ip. | |
| N - No Slot Punch | 7 | | | | | |
| 2 nd 13.56 MHz Card Nun | • • | • | | | | |
| _ | g Encoded/Printed (Inkjett | ed) | | | | |
| N - No Printed Card Nu | | Delate della | 11. 154 | | | |
| _ | d/Sequential Non-Matching | | • | | | |
| _ | Non-Matching Sequential P | | ed) ⁺ | | | |
| | g Encoded/Printed (Laser I | , | | | | |
| _ | d/Sequential Non-Matching | · | _ |) | | |
| • | Non-Matching Sequential P | rinted (Laser I | Engraved) | | | |
| _ | ng ³ (Select one option) | 15.5 | | | | |
| | g Encoded/Printed (Inkjett | ed)° | | | | |
| N - No Printed Card Nu | 9 | | | | | |
| | d/Sequential Non-Matching | | • | | | |
| | Non-Matching Sequential P | | ed)⁴ | | | |
| | g Encoded/Printed (Laser I | | | | | |
| _ | d/Sequential Non-Matching | | |) | | |
| _ | Non-Matching Sequential P | rinted (Laser I | Engraved) | | | |
| Option - Custom Artwo | | | | | | |
| - | ecify Artwork Number - Ref | | | | | |
| Enter your final card option | ns from the above selection | is. Example: 3 | 964PNPGG —- | NNM | 1 | |
| Final Part Number | | | | N | | - (Options #) |
| iCLASS SE Programm | ning Information | | | | | |
| | | | | | | |
| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | | Encoded Start Number | Encoded Stop Number |
| | racinty code | | | | | |
| HID Elite ICE # | | | | | Printed Start Number | Printed Stop Number |
| THE LINE ICL # | | | | | Filited Start Number | Finited Stop Number |
| | | | | | | |
| 2nd 13.56 MHz Progra | mming Information | | | | | |
| | | | | | | |
| Format Number | Field Name(s) e.g. | Value | QTY | | Encoded Start Number | Encoded Stop Number |
| | Facility Code | | | | | |
| HID Elite ICE # | | | | | Printed Start Number | Printed Stop Number |
| HID EIILE ICE # | | | | | Printed Start Number | Printed Stop Number |
| | | | | | | <u> </u> |
| | | | | | | |
| | | | | | | |
| | | | | | | |



125 kHz Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|---------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

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

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²Cards 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. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

³The Printed 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.

⁴Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

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



iCLASS Credentials

iCLASS Card - 200 / 210

iCLASS cards can be ordered either with both SIO and iCLASS programming or iCLASS programming only. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

| Base Model: | ☐ 200 Standard PVC | ☐ 210 Compos | site 40% Polye | ester / PVC* |
|------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------|--------------------|-----------------------------------------------------------------------------|
| iCLASS Memory Size a | nd Allocation (Select one option) | | | |
| ☐ 0 - 2k Bits (256 Bytes) | with 2 Application Areas | | | |
| 3 - 32k Bits (4K Bytes) | Application areas 16k/2+16k/1 | | † (| |
| 4 - 32k Bits (4K Bytes) | Application areas 16k/16+16k/1 | | | |
| iCLASS Programming (| (Select one option) | | 2.125" (5.4 cm) | Front Packaging |
| - | n Security Identity Object (SIO) Access Control Application (Recommend | ed) ¹ | | Ü |
| | standard iCLASS Access Control Applicat | | | |
| C - Unprogrammed, fo | r use with iCLASS SE Encoder | | | |
| Front Packaging (Selec | | | | 3.370" |
| G - Plain White with Gl | - | | 0.033" | (8.57 cm) |
| C - Custom Artwork w | ith Gloss Finish - Specify Custom Artworl | k Number² | (0.084 cm) | |
| Back Packaging (Selec | t one option) | | ' | |
| G - Plain White with Gl | loss Finish³ | | | |
| C - Custom Artwork w | ith Gloss Finish - Specify Custom Artworl | k Number² | | Back Packaging |
| 1 - Plain White with Glo | oss Finish with Magnetic Stripe³ | | | Dack Fackaging |
| 3 - Custom Artwork wi Specify Custom Artwo | ith Gloss Finish with Magnetic Stripe - ork Number² | | | OPTIONAL MAGNETIC STRIPE 1/2" (HICO/HIGH ENERGY - 4000OE) |
| Card Numbering ⁴ (Sele | ect one option) | | | 1/2 (1100)110/1121/01 - 40000C) 2 (22455 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY |
| ☐ M - Sequential Matchin | ng Encoded/Printed (Inkjetted) ⁸ | | | |
| ■ N - No Printed Card No | umbering | | Y = iCLA | ASS Programming |
| S - Sequential Encoded | d/Sequential Non-Matching Printed (Inkje | etted) ⁷ | 12345 = | Card ID Number |
| R - Random Encoded/ | Non-Matching Sequential Printed (Inkjett | red) ⁷ | YYYYYY | YYY-YY = Sales Order Number |
| ☐ A - Sequential Matchin | g Encoded/Printed (Laser Engraved) | | | |
| ☐ B - Sequential Encode | d/Sequential Non-Matching Printed (Lase | er Engraved) | | |
| C - Random Encoded/ | Non-Matching Sequential Printed (Laser | Engraved) | | |
| Slot Punch⁵ (Select one | e option) | | | |
| ■ N - No slot punch, This | s card can be slotted vertically, Printed Ve | ertical Slot Indicators | | |
| ☐ B - No Slot Punch, This | s card can be slotted horizontally, Printed | Horizontal Slot Indic | ators ⁷ | |
| | | | | |
| ☐ H - Horizontal Slot Pur | nch ⁶ | | | |

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| Option - Custom A | | ' k² cify Artwork Number - F | Pofor to the Cu | istom Artwork | Forms | for now artwork) | |
|-----------------------|------|----------------------------------------|-----------------|---------------|-------|---------------------|---------------------|
| Enter your final card | ` ' | s from check boxes abo | | | | Tor new artwork) | |
| Final Part Number | | | | | | - | (Options # |
| iCLASS Card Pro | gram | ming Information | | | | | |
| Format Number | | Field Name(s) e.g. Facility Code | Value | QTY | E | ncoded Start Number | Encoded Stop Number |
| HID Elite ICE # | | | | | P | rinted Start Number | Printed Stop Number |
| | | | | | | | |

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¹Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2000PGGNN

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

³Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo IIID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

 $^{^4}$ The Printed card number is placed in the bottom right-hand corner on the back of the card.

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

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

⁷Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

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



iCLASS + Prox Card - 212

 $iCLASS + Prox \ cards \ can \ be \ ordered \ either \ with \ both \ SIO \ and \ iCLASS \ programming \ or \ iCLASS \ programming \ only, \ a \ composite \ fee$ applies to this card.

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

| Base Model | ☐ 212 Composite 40% Polyester / PVC* | | |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| iCLASS Memory Size and Al | llocation (Select one option) | | |
| ☐ 0 - 2k Bits (256 Bytes) with | • • • | <u> </u> | |
| 3 - 32k Bits (4K Bytes) Appl | ication areas 16k/2+16k/1 | | |
| 4 - 32k Bits (4K Bytes) Appl | ication areas 16k/16+16k/1 | 2.125" | |
| Programming (Select one o | ption) | (5.4 cm |) |
| ☐ HP - Programmed with Securand standard iCLASS access | rity Identity Object (SIO), control application, 25 kHz Unprogrammed. ¹ | | |
| | rrity Identity Object (SIO), and standard iCLASS access 125 kHz programmed with HID Prox or Indala format | s <u>*</u> | 3.370" |
| _ | ard iCLASS access control application, 125 kHz r use with iCLASS SE Encoder | 0.033" | (8.57 cm) |
| ■ B - 125 kHz Programmed wit programmed with standard | th HID Prox or Indala format, iCLASS access control application | (0.084 cm) ⁻ | 1 |
| ☐ C - iCLASS Unprogrammed, unprogrammed for use with | for use with iCLASS SE Encoder, HID Prox iCLASS SE Encoder | | |
| ☐ A - iCLASS Unprogrammed, programmed with HID Prox | for use with iCLASS SE Encoder, 125 kHz or Indala format | | |
| M - iCLASS Programmed, HI | TAG2 blank. | | OPTIONAL MAGNETIC STRIPE |
| ☐ I - iCLASS configured field p | orogrammable, HITAG2 blank. | | 1/2" (HICO/HIGH ENERGY - 40000E) 1/2" (12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12345 12 |
| Front Packaging (Select one | e option) | | 125 kHz # iCLASS # |
| G - Plain White with Gloss Fi | | | IZJ NIZ# ROZIJOJ II |
| C - Custom Artwork with Glo | oss Finish - Specify Custom Artwork Number ² | | 12345 = Card ID Number |
| Back Packaging (Select one G - Plain White with Gloss Fi | | | YYYYYYYYYY = Sales Order Number |
| C - Custom Artwork with Glo | oss Finish - Specify Custom Artwork Number ² | _ | |
| ☐ 1 - Plain White with Gloss Fir | nish with Magnetic Stripe³ | | |
| ☐ 3 - Custom Artwork with Glo Specify Custom Artwork Nu | oss Finish with Magnetic Stripe - mber² | | |
| iCLASS Card Numbering ⁴ (S | Select one option) | | |
| M - Sequential Matching End | coded/Printed (Inkjetted) ⁷ | | |
| ■ N - No Printed Card Number | ring | | |
| | uential Non-Matching Printed (Inkjetted) ⁶ | | |
| R - Random Encoded/Non-N | Matching Sequential Printed (Inkjetted) ⁶ | | |
| | coded/Printed (Laser Engraved) | | |
| ☐ B - Sequential Encoded/Seq | uential Non-Matching Printed (Laser Engraved) | | |
| C - Random Encoded/Non-N | Matching Sequential Printed (Laser Engraved) | | |
| Slot Punch⁵ (Select one opt ☐ V - Vertical Slot Punch | ion) | | |

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| 125 kHz Card Numb | _ | • | - | • | | | | | | | | | | |
|-----------------------------|--------|--------------------------|-------------|-------------|---------|-------|----------|------|--------|-----------|--------|------|------------------|--------|
| M - Sequential Mat | • | • | rintea (ink | kjetted). | | | | | | | | | | |
| N - No Printed Car | | _ | | . 5 | 1.71.1 | | 15.6 | | | | | | | |
| S - Sequential Enco | | | | _ | | | | | | | | | | |
| R - Random Encod | • | ` | ' | | ` ' | ttec | d)° | | | | | | | |
| ☐ A - Sequential Mat | ching | Encoded/P | rinted (La | ser Engra | ved) | | | | | | | | | |
| ☐ B - Sequential Enc | oded/ | Sequential | Non-Matcl | hing Print | ed (La | ser l | Engraved |) | | | | | | |
| C - Random Encod | ed/N | on-Matching | g Sequenti | ial Printed | d (Lase | r En | igraved) | | | | | | | |
| Option - Custom Ar | twor | (2 | | | | | | | | | | | | |
| | (Spec | ify Artwork | Number - | Refer to | the Cu | stor | n Artwor | k Fo | rms fo | r new art | work) |) | | |
| Enter your final card o | ptions | from the a | bove selec | ctions. Ex | ample: | 212 | OHPGGN | NN | | | | | | |
| Final Part Number | | | | | | | | | | | - | | (Opti | ons #) |
| | ı | | | | | | | | | | 1 | | | |
| iCLASS Card Prog | ramı | ming Info | rmation | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Format Number | | Field Nam Facility Co | | Va | lue | | QTY | | Ence | oded Sta | rt Nun | nber | Encoded Stop Nu | mber |
| | | | | | | | | | | | | | | |
| HID Elite ICE # | | | | | | | | | Prin | ted Start | Numl | oer | Printed Stop Num | ber |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 125 kHz Card Prog | ıramı | ming Info | rmation | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Format Number | | Field Nam Facility Co | | Va | lue | | QTY | | Ence | oded Sta | rt Nun | nber | Encoded Stop Nu | mber |
| | | | | | | | | | | | | | | |
| | | | | | | | | | Prin | ted Start | Numl | oer | Printed Stop Num | ber |
| | | | | | | | | | | | | | | |

Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2120PGGNNN

 $^{^{2}\}mbox{For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.}$

³Cards 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. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

⁴The Printed 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.

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

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

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



iCLASS Key - 205

The iCLASS Key can be ordered either with both SIO and iCLASS programming or iCLASS programming only. 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.

| Base Model | □ 205 | Base Mo | del | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------|---|------|----------------|---------|--------------------|-----------|--------------------|
| iCLASS Memory Size a 0 - 2k Bits (256 Bytes) 3 - 32k Bits (4K Bytes) 4 - 32k Bits (4K Bytes) 4 - 32k Bits (4K Bytes) Programming (Select of the second | with 2 Application are Application are Application are Application are Application are Application (Application (Recomments) Security Identity Iden | on Areas as 16k/2+16k as 16k/16+16i Object (SIO aded) ass control as th iCLASS SE art. Includes be ted (Inkjetted n-Matching F equential Pri ted (Engrave n-Matching F equential Pri | /1 k/1) and stand oplication of Encoder HID Standar d)4 Printed (Inkjeted) Printed (Engra | ietted) ³ tted) ³ graved) aved) | | | .24 in [6 mm] | | (CLASS) 225 in [31 | .75 mm] — | 1. 55 in [39.4 mm] |
| Enter your final card optic | | ve selections | s. Example: | ZUSUHINIM | | | N. | | | N | |
| Final Part Number | 205 | | | | N | | N | | | N | |
| iCLASS Key Program | ıming Informa | ntion | | | | | | | | | |
| Format Number | Field Name(s | | Value | QTY | | Enc | oded Start Num | ber End | oded | Stop Num | ber |
| HID Elite ICE # | | | | | | Prin | ted Start Numb | er Prir | nted St | op Numb | er |

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 $^{^{1}\}mbox{The Printed key number is placed on the back of the key.}$

²Key Ring sold separately (Part Number: 57-0001-02).

³Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.



iCLASS Tag - 206

available for these cards.

The iCLASS contactless smart Tag can be ordered either with both SIO and iCLASS programming or iCLASS programming only. 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.

| ☑ 206 Base Model | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------|--------|-------------|---------------|----------------------|
| · | s) with 2 Applications (a) Applications (b) Applications (b) Applications (c) Applications | opplication A on areas 16 on areas 16 on (Select dentity Obj cess contro use with iC otion) work ustom Artw tion) d/Printed tial Non-Ma hing Seque | Areas Sk/2+16k/ Sk/16+16k Et one op Sect (SIO) Foliapplica SLASS SE Work Num (Inkjetted atching Presential Print er - Refer | otion) and stand tion only Encoder ber² | etted) ⁴ :ted) ⁴ stom Artwork | | iCL. | ASS TAG | 1.285" (32.639mm) |
| Enter your final Tag option Final Part Number | 206 | CCR BOXES | dbove. E | diffpic. 20 | S | | N | _ | (Options #) |
| | | | | | | | | | \31 |
| iCLASS Tag Program | nming Inf | ormatio | n | | | | | | |
| Format Number | Field N Facility | lame(s) e.ç / Code | g. | Value | QTY | Encod | ed Start Nu | ımber | Encoded Stop Number |
| HID Elite ICE # | | | | | | Printe | d Start Nun | nber | Printed Stop Number |
| | | | | | _ | | | | Times etcp itamice |
| ¹ The Printed tag number is platechnology HID will be transi Please consult your sales Acc ² For new artwork files, contactor order quantities, and cost. ³ The iCLASS Tag is not for use | itioning from count Manag ct Customer s e on cards th | a white rele er for more Service for c at use full in | ease paper information custom arty | to a black ren. work numbe | elease paper. r, lead-times, mi type readers. | | | iCLASS hab | Magnetic Stripe |

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



iCLASS Clamshell Card - 208

Can be ordered either with both SIO and iCLASS programming or iCLASS programming only.

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

| ■ 208 Base Mode | el | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------|----------------------------------------|---------------------|-----------------------|---------------------|---------------------------------------|--------|-----------------------|---------------------|
| iCLASS Memory Siz ☑ 0 - 2k Bits (256 By | | | on Areas | | | | | | | |
| iCLASS Programmin ☐ HP - Programmed and standard iCLA ☐ P - Programmed w ☐ C - iCLASS Unprogrammed (S) ☐ M - Plain White Vir | with Secur SS access with standar grammed, f | ity Identit control ap d iCLASS or use wit option) | y Object (oplication. access co | (Recommontrol appli | ication only | 3.310" (8.41 cm) | 2.060° (5.23 cm) | | 2.125" (5.4 cm) | 0.070" (0.18 cm) |
| ☐ G - Plain White wit☐ C - Custom Artwore Back Packaging (Se☐ S - Base with Mold | k - Specify | Custom option) | Artwork N | lumber² | | | | | H1.000 | |
| Card Numbering ³ (S | Select one | option |) | | | Г | (Cover) Front Packaç | | (Base) Back Packaç | ging |
| ■ M - Sequential Mat ■ N - No Printed Car ■ S - Sequential Enco | d Numberi oded/Sequ | ng ential No | n-Matchin | g Printed (| | | Y = iCLASS 12345 = Car YYYYYYYY | d ID N | • | nber |
| ■ R - Random Encod Slot Punch ■ V - Vertical Slot Pu | • | atching S | equential | Printed (In | kjetted) ³ | | | | | |
| Option - Custom Ar | (Specify A | | | | | | rms for new | Artwo | rk) | |
| Final Part Number | 208 | | | | | | V | - | | (Options #) |

iCLASS Card Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|-----------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| HID Elite ICE # | | | _ | Printed Start Number | Printed Stop Number |

Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2080PGSNV

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

³Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards. The majority of part numbers include a printed Sales Order number, contact your local support representative for full details.



iCLASS + Other HF Card - 242

iCLASS with MIFARE Classic or MIFARE DESFire EV1 contactless smart card offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. For MIFARE Classic: This credential is only delivered with MIFARE Classic UID 4 Bytes long only (32 Bit). It is not available with 7 bytes UID for MIFARE Classic, only for MIFARE DESFire EV1.

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

| Base Model | ☐ 242 Composite 40% Polyester / PVC* | |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| iCLASS Memory Size a | and Allocation (Select one option) | |
| ☐ 0 - 2k Bits (256 Bytes | s) with 2 Application Areas (only available with MIFARE Classic 1K) | |
| ☐ 3 - 32k Bits (4K Bytes | s) Application areas 16k/2+16k/1 | 2.125" |
| ☐ 4 - 32k Bits (4K Bytes | s) Application areas 16k/16+16k/1 | (5.4 cm) Front Packaging |
| Card Programming (Se | elect one option) | |
| | ned with Security Identity Object (SIO) and iCLASS standard ation, 2 nd technology programmed with Security Identity Object (SIO) | , |
| | ned with Security Identity Object (SIO) and ess control application, 2 nd technology unprogrammed | 3.370" (8.57 cm) |
| | ned with iCLASS standard access control application, ammed with HID MIFARE (MIFARE Classic) or custom | (0.084 cm) |
| P - iCLASS programm 2 nd Technology unprog | ned with iCLASS standard access control application, grammed | |
| C - Unprogrammed iC Non-programmed 2 nd | CLASS, for use with iCLASS SE Encoder, Technology | OPTIONAL MAGNETIC STRIPE 11/2" (HICO/HIGH ENERGY - 40000E) |
| | nmed, for use with iCLASS SE Encoder, 2 nd Technology D MIFARE (MIFARE Classic) or custom (MIFARE DESfire) | 12040 12040 11111111-11 |
| 2 nd High Frequency Te | chnology (Select one option) | |
| M - MIFARE Classic 1K | Bytes (only available with iCLASS 2k bits) | |
| ■ N - MIFARE Classic 4k | < Bytes | 12345 = Card ID Number |
| K - MIFARE DESFire E | EV1 8K Bytes | YYYYYYYYYY = Sales Order Number |
| Front Packaging (Sele | ect one option) | |
| G - Plain White with G | Gloss Finish | |
| C - Custom Artwork w | vith Gloss Finish - Specify Custom Artwork Number ¹ | |
| Back Packaging (Selec | ct one option) | |
| G - Plain White with G | Gloss Finish ² | |
| C - Custom Artwork w | vith Gloss Finish - Specify Custom Artwork Number ¹ | |
| ☐ 1 - Plain White with Gl | loss Finish with Magnetic Stripe ² | |
| 3 - Custom Artwork w | vith Gloss Finish with Magnetic Stripe - Specify Custom Artwork Num | ber ¹ |
| iCLASS Card Numberi | ng³ (Select one option) | |
| M - Sequential Matchi | ng Encoded/Printed (Inkjetted)⁵ | |
| ■ N - No Printed Card N | Jumbering | |
| S - Sequential Encode | ed/Sequential Non-Matching Printed (Inkjetted)⁵ | |
| R - Random Encoded | /Non-Matching Sequential Printed (Inkjetted) ⁵ | |
| 🗌 A - Sequential Matchin | ng Encoded/Printed (Laser Engraved) | |
| ☐ B - Sequential Encode | ed/Sequential Non-Matching Printed (Laser Engraved) | |
| C - Random Encoded, | /Non-Matching Sequential Printed (Laser Engraved) | |
| Slot Punch | | |
| | Frequency credentials do not allow a slot punch due to the antenna c to a lanyard or badge clip. | design. HID recommends using a badge |
| X N - No Slot Punch | | |

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| 2 nd High Frequency Tec M - Sequential Matchin | | | | | one option) |) | | | |
|------------------------------------------------------------|--------|------------------|-------------|--------------|----------------------|-----------|--------------|------------|---------------------|
| ■ N - No Printed Card Nu | _ | | a (migotte | , | | | | | |
| S - Sequential Encoded | | _ | Matching | Printed (Ink | ietted) ⁵ | | | | |
| R - Random Encoded/ | , | | J | , | • | | | | |
| ☐ A - Sequential Matchin | | Ü | • | ` , | ited) | | | | |
| B - Sequential Encoded | _ | | | _ | cor Engraved) | | | | |
| _ · | | | _ | - | - | | | | |
| C - Random Encoded/ | | tcning Sec | quentiai Pr | inted (Lase | r Engraved) | | | | |
| Option - Custom Artwo | | twork Num | har Dafa | or to the Cu | stom Artwork | Forms for | now artwork | () | |
| Enter your final card optio | - | | | | | | new artwork | \) | |
| Final Part Number | | | | | | N | | - | (Options #) |
| | | | | | | | | | |
| iCLASS Card Progran | nming | Informa | tion | | | | | | |
| | | | | | | | | | |
| Format Number | | Name(s) | e.g. | Value | QTY | Enco | ded Start Nu | ımber | Encoded Stop Number |
| | | | | | | | | | |
| HID Elite ICE # | | | | | | Print | ed Start Nun | nber | Printed Stop Number |
| | | | | | | | | | |
| | | | | | _ | | | | |
| 2 nd 13.56 MHz Techno | logy C | ard Prog | grammin | g Informa | ation | | | | |
| | | | | | 7 | | | | |
| Format Number | | Name(s) ity Code | e.g. | Value | QTY | Enco | ded Start Nu | ımber | Encoded Stop Number |
| | | | | | | | | | |
| HID Elite ICE # | | | | | | Print | ed Start Nun | nber | Printed Stop Number |
| | | | | | | | | | |

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

²Cards 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. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

³The Printed 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.

⁴Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

⁵Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

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



iCLASS + Other 13.56 MHz + Prox Card - 262

The iCLASS with MIFARE Classic or MIFARE DESFire EV1 contactless smart card as well as HID Proximity offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. For MIFARE Classic: This credential is only delivered with MIFARE Classic UID on 4 Bytes long only (32 Bit). It is not available with 7 bytes UID for MIFARE Classic, only for MIFARE DESFire EV1.

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

| Base | Model | ☐ 262 Composite | e 40% Polyester / PV | /C* | | |
|--------------|------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------|--------------------------------------------------------------|
| ☐ o - | 2k Bits (2 | 256 Bytes) with 2 Appli | • • | ole with MIFARE Classic 1K) | <u>+</u> | |
| ∐ 3 - | 32k Bits (| 4K Bytes) Application | areas 16k/2+16k/1 | | | |
| 4 - | 32k Bits (| (4K Bytes) Application | areas 16k/16+16k/1 | | 2.125" (5.4 cm) | |
| iCLAS | SS / 2 nd 13 | 3.56 MHz Programm | ing | | (3.4 (11) | |
| and | d iCLASS | | rity Identity Object (SIO) of application, 2 nd technolo Object (SIO) | oah | <u> </u> | |
| | | - | rity Identity Object (SIO) of application, 2 nd technolo | ogy unprogrammed | 0.033" | 3.370" (8.57 cm) |
| cor | ntrol appli | - | re Identity Object (SIO) a programmed with HID MI | nd iCLASS standard access FARE (MIFARE Classic) | (0.084 cm) | |
| | | - | SS standard access contro FARE Classic) or custom (| ol application, 2 nd Technolog MIFARE DESfire) | У | |
| | | rogrammed with iCLA gy unprogrammed | SS standard access contro | ol application, | | OPTIONAL MAGNETIC STRIPE 1/2" (HICOIHIGH ENERGY - 40000E) |
| _ | | nprogrammed, for use gy unprogrammed | with iCLASS SE Encoder, | | | 27.455 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY |
| | | | with iCLASS SE Encoder, IID MIFARE (MIFARE Clas | sic) or custom (MIFARE DES | Sfire). | |
| Other | 13.56 MI | Hz Technology (Sele | ect one option) | | | |
| | - MIFARE | Classic 1K Bytes (only a | available with iCLASS 2k b | oits) | | |
| □ N - | MIFARE | Classic 4K Bytes | | | | |
| □ K - | MIFARE [| DESFire EV1 8K Bytes | | | | |
| 125 kH | dz Techn | ology Card Program | nming (Select one opti | on) | | |
| □ P - | Programm | med with HID Prox or I | ndala format. | | | |
| □ c - | Programi | med with Indala CX (Ca | asi Prox) | | | |
| □ N - | · Unprogra | ammed HID Prox, for us | se with iCLASS SE Encode | er | | |
| | _ | ng (Select one option ite with Gloss Finish | on) | | | |
| □ c - | Custom A | Artwork with Gloss Fini | sh - Specify Custom Artw | ork Number¹ | | |
| Back I | Packagin | g (Select one optio | n) | | | |
| ☐ G - | · Plain Wh | ite with Gloss Finish² | | ☐ 1 - Plain White with | Gloss Finish v | with Magnetic Stripe² |
| | Custom A | Artwork with Gloss Fini nber ¹ | sh - Specify Custom | 3 - Custom Artwork Specify Custom Art | | inish with Magnetic Stripe - |
| iCLAS | SS Card N | Numbering ³ (Select | one option) | | | |
| | - Sequenti | al Matching Encoded/I | Printed (Inkjetted) ⁵ | ☐ B - Sequential Enco | ded/Sequenti | ial Non-Matching Printed |
| □ N - | No Printe | ed Card Numbering | | (Laser Engraved)⁴ | | |
| | Sequentia kjetted) ⁵ | al Encoded/Sequential | Non-Matching Printed | ☐ C - Random Encode (Laser Engraved) ⁴ | ed/Non-Match | ning Sequential Printed |
| | Random I kjetted)⁵ | Encoded/Non-Matching | Sequential Printed | | | |
| □ A - | Sequenti | al Matching Encoded/F | Printed (Laser Engraved) ⁴ | | | |



| S | lot. | DII | nch | • |
|---|------|-----|-----|---|
| | | | | |

| IMPORTANT - Dual High Fr | | | punch due | to th | ne ante | nna d | esign. | HID rec | ommends using a badge |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------|---------------------------------|----------------------------|-----------------|---------|----------|----------------------------------------------|
| holder to attach this card t | o a lanyard or badge | clip. | | | | | | | |
| ■ N - No Slot Punch | | _ | | | | | | | |
| 2 nd 13.56 MHz Card Num M - Sequential Matching N - No Printed Card Nu S - Sequential Encoded (Inkjetted) ⁴ R - Random Encoded/N (Inkjetted) ⁴ | g Encoded/Printed (Ir mbering /Sequential Non-Mato | nkjetted) ⁵ ching Printed | (Lase | er Eng Rando | graved |) oded/ | | | Non-Matching Printed |
| A - Sequential Matching | g Encoded/Printed (L | aser Engraved) | | | | | | | |
| 125 kHz Card Numberin M - Sequential Matching N - No Printed Card Nu S - Sequential Encoded (Inkjetted) ⁴ R - Random Encoded/N (Inkjetted) ⁴ A - Sequential Matching Option - Custom Artwo (Spe | g Encoded/Printed (Ir mbering /Sequential Non-Mato Non-Matching Sequen g Encoded/Printed (L rk ¹ cify Artwork Number | nkjetted) ⁴ ching Printed atial Printed aser Engraved) - Refer to the Cus | (Lase | er Englando er Engl rk Fo | graved om Enc graved |) oded/) | 'Non-I | Matching | Non-Matching Printed g Sequential Printed |
| Final Part Number | | | | N | | | - | | (Options #) |
| iCL ACC Cavel Due sure re | unaina a lanfa una ati a u | | | | | | | | |
| iCLASS Card Program | iming information | 1 | | | | | | | |
| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | | Enco | oded S | Start I | Number | Encoded Stop Number |
| HID Elite ICE # | | | | | Prin | ted St | art Nu | ımber | Printed Stop Number |
| 2 nd 13.56 MHz Card Pr | ogramming Inforr | mation | | | | | | | |
| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | | Enco | oded S | Start I | Number | Encoded Stop Number |
| HID Elite ICE # | | | | | Prin | ted St | art Nı | ımber | Printed Stop Number |
| | | | | | | | | | |
| | | | | | | | | | |



125 kHz Card Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|---------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

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

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²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

³The Printed 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.

⁴Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

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



UHF Credentials

UHF Card - 600

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

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

| Secure Identity Object Programming | Base Model | | □ 600 C | composite 40 |)% Polyest | er / P | VC* | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------|--------|-------|-------------|------------------------|--------------|--------------------|
| G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ Back Packaging (Select one option) G - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ I - Plain White with Gloss Finish - Specify Custom Artwork Number¹ I - Plain White with Gloss Finish with Magnetic Stripe² G - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ WHF Card Numbering³ (Select one option) N - No Printed Card Numbering A - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) N - No Slot Punch N - No Slot Punch N - No Slot Punch Gyption - Custom Artwork¹ G(Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 600TGGNN Final Part Number Field Name(s) e.g. Value Format Number | | _ | _ | Object (SIO) | | | | | | | |
| N - No Printed Card Numbering | Front Packaging (Se G - Plain White with C - Custom Artwork Back Packaging (Sel G - Plain White with C - Custom Artwork 1 - Plain White with 3 - Custom Artwork Specify Custom Art | lect one of Gloss Finish with Gloss Finish with Gloss Gloss Finish with Gloss work Numb | ption) h Finish - Spotion) h² Finish - Spotion with Magrifinish with er¹ | ecify Custom A ecify Custom A netic Stripe ² Magnetic Stripe | rtwork Numl | | | <u> </u> | | | |
| UHF Programming Information ⁵ Format Number Field Name(s) e.g. Value Facility Code QTY Encoded Start Number Encoded Stop Number | N - No Printed Card A - Sequential Matc B - Sequential Enco C - Random Encode Slot Punch N - No Slot Punch Option - Custom Art (Specify Artwork No | Numbering hing Encod ded/Sequel ed/Non-Mat work ¹ umber - Ref | ed/Printed ntial Non-M ching Sequ | (Laser Engrave latching Printed ential Printed (I | (Laser Engrav Laser Engrav Forms for ne | red) | ork) | ени | OFFICIAL IN THE CHIESE | | Sales Order Number |
| Format Number Field Name(s) e.g. Value GTY Encoded Start Number Encoded Stop Number | Final Part Number | 600 | Т | | | | N | - | | (| Options #) |
| Facility Code | UHF Programming | Informat | ion ⁵ | | | | | | | | |
| HID Elite ICE # Printed Start Number Printed Stop Number | Format Number | | * * | g. Value | QT | Υ | Enco | oded Start | Number | Encoded Stop | Number |
| | HID Elite ICE # | | | | | | Print | ted Start N | lumber | Printed Stop | Number |

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²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand on the back of the card and include the sales order number. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details

³The Printed card number is placed in the bottom right-hand corner for UHF

⁵Number of bits should remain below 120 bits

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



UHF + iCLASS Card - 601

X N - No Slot Punch

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

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

| Base Model | ☐ 601 Composite 40% Polyester / PVC* | | | |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|------------------------------------------------------|
| iCLASS Memory Size | e and Allocation tes) Application areas 16k/2+16k/1 | | | |
| _ | | | | |
| | tes) Application areas 16k/16+16k/1 | | | |
| _ | ed with Secure Identity Object (SIO). iCLASS programmed SS standard access control application and Secure Identity Object (SIO) | | | |
| - | ed with Secure Identity Object (SIO). iCLASS Secure Identity Object (SIO) | 1 | | |
| | ed with Secure Identity Object (SIO). iCLASS standard iCLASS access control appliation | 2.125" (5.4 cm) | | |
| _ | ed with Secure Identity Object (SIO). iCLASS use with iCLASS SE Encoder | ., 9) | | |
| Front Packaging (Se | elect one option) | <u>↓</u> | | 3.370" |
| G - Plain White with | n Gloss Finish | ↓ | - | (8.57) cm |
| C - Custom Artwork | k with Gloss Finish - Specify Custom Artwork Number ¹ | 0.033" (0.084 cm) | | |
| Back Packaging (Se | | 0.033 | | |
| C - Custom Artworl | k with Gloss Finish - Specify Custom Artwork Number ¹ | | | |
| ☐ 1 - Plain White with | Gloss Finish with Magnetic Stripe ² | | | |
| 3 - Custom Artwork Specify Custom Art | c with Gloss Finish with Magnetic Stripe - twork Number ¹ | | OP %" ((t | PTIONAL MAGNETIC STRIPE HICO/HIGH ENERGY -40000E) |
| UHF Card Numberin N - No Printed Card | g³ (Select one option) I Numbering | | © HID ICLASS UHF | 12345 Y ICLASS UHF YYYYYYYY - YY = Sales C |
| 🗌 A - Sequential Mate | ching Encoded/Printed (Laser Engraved) | | | |
| ☐ B - Sequential Enco | oded/Sequential Non-Matching Printed (Laser Engraved) | | | |
| C - Random Encode | ed/Non-Matching Sequential Printed (Laser Engraved) | | | |
| iCLASS Card Number | ering³ (Select one option) | | | |
| ■ N - No Printed Card | Numbering | | | |
| 🗌 A - Sequential Mate | ching Encoded/Printed (Laser Engraved) | | | |
| ☐ B - Sequential Enco | oded/Sequential Non-Matching Printed (Laser Engraved) | | | |
| C - Random Encode | ed/Non-Matching Sequential Printed (Laser Engraved) | | | |
| Slot Punch | | | | |

YYYYYYY-YY SR/ rder Number



| Option - Custom Art | | | twork Nui | mber - Re | efer to the (| Custor | n Artwor | k For | rms fo | r new artwo | ork) | | | |
|------------------------------|-------|--------|------------------------|------------|---------------|--------|----------|-------|----------------------|-------------|--------|---------------------|--|--|
| Enter your final card or | otion | s from | the abov | e selectio | ns. Exampl | e: 601 | 3TGGNN | Ν | | | | | | |
| Final Part Number | 6 | 00 | Т | | | | | | N - | | | (Options #) | | |
| UHF Programming Information⁵ | | | | | | | | | | | | | | |
| Format Number | | | l Name(s) lity Code |) e.g. | Value | | QTY | | Encoded Start Number | | Number | Encoded Stop Number | | |
| HID Elite ICE # | | | | | | | | | Print | ted Start N | umber | Printed Stop Number | | |
| | | | | | | | | | | | | | | |
| iCLASS Programm | ing | Infor | mation | | | | | | | | | | | |
| Format Number | | | l Name(s) lity Code | e.g. | Value | | QTY | | Enco | oded Start | Number | Encoded Stop Number | | |
| HID Elite ICE # | | | | | | | | | Print | ted Start N | umber | Printed Stop Number | | |
| | - [| | | | | | | | | | | | | |

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

²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

³The Printed card number is placed in the bottom right-hand corner for UHF.

 $^{^{5}\}mbox{Number}$ of bits should remain below 120 bits.

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



UHF + MIFARE Classic Card - 603

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

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

| Base Model | ☐ 603 Comp | osite 40% | Polyeste | r / PVC* | | | | |
|---------------------------------------------------------|------------------------------------------------------------|--------------------|-------------|-------------------|--------------------|-----------------|-------------------|------------------------------------------|
| Card Programming | | | | | | | | |
| J - UHF Programmed | with Secure Identity Object with Secure Identity Object | | | | 1 | | | |
| ☐ P - UHF Programmed MIFARE non-program | with Secure Identity Object med | ct (SIO), | | | 2.125" (5.4 cm) | | | |
| _ | with Secure Identity Object with HID MIFARE access of | | cation | | 2. (5. | | | |
| - | with Secure Identity Object rammed (custom part suffi | | | | | | 3.370" | |
| MIFARE Memory Size | and Allocation | | | | + | - | (8.57) cm | · |
| X M - 4K Bytes | | | | | <u> </u> | = · | | <u></u> |
| Front Packaging (Sele | ct one option) | | | | 0.033" 0.084 cm | | | |
| G - Plain White with G | iloss Finish | | | | 5 | (| | |
| C - Custom Artwork w | vith Gloss Finish - Specify (| Custom Artv | vork Numbe | er ¹ | | | | |
| Back Packaging (Selec | ct one option) | | | | | | | |
| G - Plain White with G | iloss Finish² | | | | | | | |
| C - Custom Artwork w | vith Gloss Finish - Specify (| Custom Artv | vork Numbe | er¹ | | | OPTIONAL MAGNE | ETIC STRIPE |
| ☐ 1 - Plain White with Gl | oss Finish with Magnetic S | tripe ² | | | | © FID | %* (HICO/HIGH ENE | |
| 3 - Custom Artwork w Specify Custom Artwo | rith Gloss Finish with Magn ork Number¹ | etic Stripe - | | | | | N | TIFARE UHF YY - YY = Sales Order Number |
| UHF Card Numbering ³ ☐ N - No Printed Card N | - · · · · · · · · · · · · · · · · · · · | | | | | | | |
| 🗌 A - Sequential Matchir | ng Encoded/Printed (Lase | r Engraved) | | | | | | |
| ☐ B - Sequential Encode | ed/Sequential Non-Matchir | g Printed (L | aser Engra | ved) ⁴ | | | | |
| C - Random Encoded | /Non-Matching Sequential | Printed (Las | ser Engrave | d) | | | | |
| Slot Punch | | | | | | | | |
| 🛛 N - No Slot Punch | | | | | | | | |
| MIFARE Card Numberi | ing³ (Select one option |) | | | | | | |
| ■ N - No Printed Card N | umbering | | | | | | | |
| 🗌 A - Sequential Matchir | ng Encoded/Printed (Lase | r Engraved) | | | | | | |
| C - Random Encoded | /Non-Matching Sequential | Printed (Las | ser Engrave | d) | | | | |
| ☐ B - Sequential Encode | ed/Sequential Non-Matchir | g Printed (L | aser Engra | ved) | | | | |
| Option - Custom Artwo | ork ¹ | | | | | | | |
| Specify Artwork Num | nber - Refer to the Custom | Artwork Fo | rms for nev | v artwork) | | | | |
| Enter your final card option | ons from the above selection | ons. Exampl | e: 603JMG(| SANA | | | | |
| Final Part Number | 603 | | | | N | | | (Options #) |



UHF Programming Information⁵

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|-----------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| HID Elite ICE # | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

MIFARE Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|-----------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| HID Elite ICE # | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

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

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²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

³The Printed card number is placed in the bottom right-hand corner for UHF.

⁵Number of bits should remain below 120 bits.

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



HID Proximity Credentials

ProxCard II Card - 1326

Format Number

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

 □ 1326 Base Model 0.070" 2.060 125 kHz Programming (Select one option) 2.125" (0.18 cm) (5.23 cm) (5.4 cm) L - Programmed with HID or Indala format ■ N - HID Prox unprogrammed, for use with iCLASS SE Encoder Front Packaging (Select one option) **12345 YYYYYYYYY-YY** S - ProxCard II Artwork - Vinyl with Matte Finish ☐ M - Plain White Vinyl with Matte Finish ☐ **G** - Plain White PVC with Gloss Finish 3.310" 3.370" (8.41 cm) (8.57 cm) **C** - Custom Artwork - Specify Custom Artwork Number¹ **Back Packaging (Select one option)** S - Base with Molded HID Logo **C** - Custom Artwork - Specify Custom Artwork Number¹ ProxCard® II Card Numbering² (Select one option) ■ M - Sequential Matching Encoded/Printed (Inkjetted)³ ■ N - No Printed Card Numbering 12345 = Card ID Number S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)³ YYYYYYYYY = Sales Order Number ☐ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)³ **Slot Punch** X V - Vertical Slot Punch Option - Custom Artwork² (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1326LSSMV **Final Part Number** 1326 (Options #) 125 kHz Card Programming Information

Field Name(s) e.g.

Facility Code

QTY

Encoded Start Number

Printed Start Number

Encoded Stop Number

Printed Stop Number

Value

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

²The Printed card number is placed in the top left-hand corner on the back of the card. HID logo molded into base on back. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

³Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.



DuoProx II Card - 1336 / 1536

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

| Base Model | | □ 1336 | Standar | d PVC | □ 1536 | Coi | mposit | e 40% | 6 Po | lyest | er / PVC* |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----|----------|-----------------------------|--------------|-------|-----------------------------------------------------------------------------------|
| Base Model 125 kHz Programming L - Programmed with N - Unprogrammed Reference Packaging (Selection C - Custom Artwork Back Packaging (Selection C - Custom Artwork G - Plain White PVC S - Standard DuoPro C - Custom Artwork Card Numbering (Selection C - Custom Artwork R - Sequential Match R - Random Encoded A - Sequential Encoded C - Random Encoded | HID Prox, ect one w/ Gloss w/ Gloss ect one w/ Gloss ix II Artwo w/ Gloss elect one hing Enco Numberin ded/Sequ d/Non-Ma hing Enco | t one opt x or Indala for use wit option) Finish Finish - Sp option) Finish² ork Gloss F Finish - Sp e option) ded/Printe ng ential Non- atching See ded/Printe ential Non- | ion) format th iCLASS s ecify Custo ed (Inkjette Matching F quential Pri ed (Engrave | SE Encoder Dom Artwork N d) ⁵ Printed (Inkjetted) Printed (Engr | Number ¹ Number ^{1,2} tted) ⁵ ed) ⁵ | Cor | mposit | 2. (5. 0.03 (0.084 | 125" 4cm) | | DuoProx® II MAGNETIC STRIPE (1/2" HICO/High Energy - 4000 OE) 12345 YYYYYYYY-YY |
| Slot Punch ⁴ (Select o N - No slot punch, Pr V - Vertical Slot Punch | ne optic | on) rtical and F | · Iorizontal S | Slot Indicator | · | | | | | | d ID Number YY = Sales Order Number |
| ☐ H - Horizontal Slot P Option - Custom Artv ☐ (S Enter your final card opt | work ¹ Specify Ai | rtwork Nur | nber - Refe | r to the Cust | | For | ms for n | iew Artv | work |) | |
| Final Part Number | | | | | | | | - | | | (Options #) |
| | 25 kHz Card Programming Information | | | | | | | | | | |
| Format Number | | d Name(s) lity Code | e.g. | Value | QTY | | | ed Start | | | Encoded Stop Number |
| | | | | | | | Printed | d Start I | Numl | ber | Printed Stop Number |

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

²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo 🞹 and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

⁴Cards 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.

⁵Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

⁶Programmed as a sequential 12 digit number.

^{*}The composite construction is recommended for all cards that will have an over-laminate applied.



ProxKey III Keyfob - 1346

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

X 1346 Base Model **Programming (Select one option)** .24 in [6 mm] L - Programmed with HID Prox or Indala format ■ N - Unprogrammed HID Prox, for use with iCLASS SE Encoder **Front Packaging** 55 in [39.4 mm] ■ N - ProxKey III - Black with grey insert. Includes HID Standard Artwork ☐ C - ProxKey III - Custom Artwork - Specify Custom Artwork Number¹ **Back Packaging** S - Standard **Keyfob Numbering² (Select one option)** ■ M - Sequential Matching Encoded/Printed (Inkjetted)³ -1. 25 in [31.75 mm] -■ N - No Printed Card Numbering **S** - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)³ Y = iCLASS Programming R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)³ 12345 = Card ID Number ■ A - Sequential Matching Encoded/Printed (Engraved) YYYYYYYYY = Sales Order Number **B** - Sequential Encoded/Sequential Non-Matching Printed (Engraved) ☐ **C** - Random Encoded/Non-Matching Sequential Printed (Engraved) Additional Options⁴ X N - No Option Enter your final ProxKey® options from check boxes above. Example: 1346LNSMN **Final Part Number** 1346 S Ν 125 kHz ProxKey Programming Information

| Format Number | | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|---------------|---|-------------------------------------|-------|-----|----------------------|---------------------|
| | | | | | | |
| | - | | | | Printed Start Number | Printed Stop Number |
| | | | | | | |

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

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²The Printed number is placed on the back of the Keyfob.

³Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

⁴Key Ring sold separately (Part Number: 57-0001-02).



ISOProx II Card - 1386 / 1586

| Ensure each required op | tion has been checked with th | ne appropriat | e choice to f | ulfill a comple | eted order fo | rm. |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------|-----------------|----------------------|----------------------------------------------|
| Base Model | ☐ 1386 Standa | rd PVC | □ 1586 | Composite | e 40% Poly | ester / PVC* |
| N - Unprogrammed Front Packaging (Sele G - Plain White PVC Co. C - Custom Artwork Back Packaging (Sele G - Plain White PVC Co. | n HID Prox or Indala format HID Prox, for use with iCLASS ect one option) w/ Gloss Finish w/ Gloss Finish - Specify Cust ect one option) | tom Artwork | | | 2.125* (5.4cm) | 3.370" (8.57 cm) |
| Card Numbering (Selo M - Sequential Match N - No Printed Card I S - Sequential Encod R - Random Encoded A - Sequential Match B - Sequential Encod | ect one option) ing Encoded/Printed (Inkjette | ed)5 Printed (Inkje rinted (Inkjett red) Printed (Eng | etted) ⁵ ced) ⁵ raved) | | 0.033* (0.084 cm) | 12345 YYYYYYYY.YY |
| V - Vertical Slot Pund H - Horizontal Slot Pt Option - Custom Artw ☐ (Sp | inted Vertical and Horizontal ch, Printed Horizontal Slot Ind unch, Printed Vertical Slot Ind vork ¹ secify Artwork Number - Refe | icators icators r to the Custo | om Artwork I | Forms for nev | YYYYYY | Card ID Number YY-YY = Sales Order Number |
| Final Part Number | ions from check boxes above. | . Example: 138 | 36LGGMN | | - | (Options #) |
| 125 kHz Card Progra | amming Information | | | | | |
| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encode | d Start Numb | per Encoded Stop Number |

Printed Start Number

Printed Stop Number

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

²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small "HID logo HID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

⁴Cards 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.

⁵Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

^{*}The composite construction is recommended for all cards that will have an over-laminate applied.



ProxPass II Active Vehicle Identification Tag - 1351

(Compatible with MaxiProx® 5375)

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

 □ 1351 Base Model Programming¹ 3.660°[93.0 mm] 0.330°[8.4 mm] Color **B** - Standard beige finish HID 2.660" [67.6 mm] **Back Packaging ▼** S - Standard HID logo Tag Numbering (Select one option) **Front Packaging Back Packaging** ■ N - No Printed Card Numbering 12345 = Card ID Number ■ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) YYYYYYYYY = Sales Order Number ☐ **R** - Random Encoded/Non-Matching Sequential Printed (Inkjetted) **Hardware Option N** - None Enter your final Tag options from check boxes above. Example: 1351LBSMN **Final Part Number** 1351 L В S Ν (Optional Artwork #) 125 kHz Tag Programming Information¹ **Format Number** Field Name(s) e.g. Value QTY **Encoded Start Number Encoded Stop Number Facility Code Printed Start Number Printed Stop Number**

The ProxPass II Tag includes two replaceable Encoded batteries and Velcro strips for a complete and simple installation.

Battery Part # BR2330 is available at most electronic stores (not sold by HID).

¹The ProxPass II does not support formats longer than 37-bits (including 48-bit Corporate 1000).



MicroProx Tag Proximity - 1391

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

| ☑ 1391 Base Model | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------|-------------------------------|------------------------------------------|-------------|---|--------------|-------------------------------------------------------------|
| Programming (Select or L - Programmed with HI N - Unprogrammed HID Front Packaging (Select S - Gray with HID Stand G - Plain Gray Finish, (N C - Custom Artwork - Spack Packaging³ S - Adhesive Backing Tag Numbering² (Select M - Sequential Matching N - No Printed Tag Num S - Sequential Encoded, R - Random Encoded/N Slot Punch N - None Optional Custom Artwo (Specenter your final Tag options | ID Prox of Prox for tone optomic and Artwork one optomic and pecify Curicular one optomic and pecify Curicular one optomic and pecify Artwork of the pecify Artwork of the pecify Artwork of the proximal one optomic and pecify Artwork of the proximal one optomic and pecify Artwork of the proximal one optomic and pecify Artwork of the proximal of the | r Indala use wit vition) ork k) sstom A tion) d/Printe ial Non- hing Sec | n iCLASS rtwork Nu ed (Inkjett Matching quential P | ed) ³ Printed (Ink | nkjetted)³ jetted)³ Custom Artworl | ∢ Forms for | | CROPROX® TAG | 1.285" (32.639mm) ——————————————————————————————————— |
| Final Part Number | 1391 | | | | S | ı | N | - | (Options #) |

125 kHz Tag Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|---------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| | | | | Printed Start Number | Printed Stop Number |
| | | | | | |

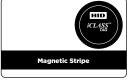
¹For new artwork files, contact Customer Service for custom artwork number, lead-times, minimum order quantities, and cost.

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

MicroProx Placement





Contact Smart Chip

Magnetic Swipe card

²The Printed tag number is placed on the back of the tag. In order to support laser marking technology HID will be transitioning from a white release paper to a black release paper. Please consult your sales Account Manager for more information.

³Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.



Direct Image PVC Glossy Label Part Numbers

| Part # | Description | Thickness | Dimensions |
|-----------|---------------------------------------------------------------------------|------------|-----------------|
| 1324GAV11 | ProxCard II size with slot punch, white adhesive back | 10 mil PVC | 3.310" x 2.060" |
| 1324GAN11 | ProxCard II size, no slot punch, white adhesive back | 10 mil PVC | 3.310" x 2.060" |
| 1324GAV21 | ProxCard II size with slot punch, white adhesive back | 20 mil PVC | 3.310" x 2.060" |
| 1324GAN21 | ProxCard II size, no slot punch, white adhesive back | 20 mil PVC | 3.310" x 2.060" |
| 1324GBV22 | ISOProx II and ProxCard II size with slot punch, brown (3M) adhesive back | 20 mil PVC | 3.370" x 2.125" |
| 1324GBN22 | ISOProx II and ProxCard II size, no slot punch, brown (3M) adhesive back | 20 mil PVC | 3.370" x 2.125" |
| 1324GAV22 | ISOProx II and ProxCard II size, with slot punch, white adhesive back | 20 mil PVC | 3.370" x 2.125" |
| 1324GAN22 | ISOProx II and ProxCard II size, no slot punch, white adhesive back | 20 mil PVC | 3.370" x 2.125" |

Notes:

- Some dye sublimation printers cannot accommodate pre-slot punched labels; consult with the printer manufacturer prior to ordering.
- Labels are packaged in multiples of 100 pieces. Minimum order quantity is 100 pieces. Orders will be accepted in multiples
 of 100 pieces per label Model.
- Make sure to adjust your dye sublimation printer setting to the proper PVC label thickness and dimension.

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Indala 125 kHz Credential

Every part number consists of a base model number to indicate the type of product, and a letter or number to indicate each product option. Each Indala product has a standard part number that includes default options, as indicated on the order guide. When an order is placed for a product, the base model number and all options must be specified. If you require any options that are different from the default options, you must also indicate those options at the time the order is placed. All part numbers must be complete to be accepted by HID's order entry system.

All card orders must have the following information:

- BASE MODEL NUMBER Specifies card or type
- PROGRAMMING Specifies if card is factory or field programmed (format or format number, facility code, and ID number range must be given at time of order).
- FRONT or FLAT SIDE GRAPHICS Specifies standard or custom artwork, and smart chip placement
- BACK or EMBOSSED SIDE GRAPHICS Specifies standard or custom artwork, and smart chip placement
- MARKING POSITION Specifies location of card marking.

Note: Card marking is surface printed and, therefore is not to be considered permanent. In certain cases Laser etching may be used instead of inkjet marking. Laser etching is permanent marking but is not used on all products.

- **SLOT PUNCH** Specifies slot location if available
- CARD OPTIONS Applies to FlexCard[™] (Base Model FPCRD/CXCRD) only
- MAGNETIC STRIPE OPTION Specifies if card is to have a magstripe and which type (ISO Imageable Cards only)
- **CUSTOM FILE NUMBER** Specifies the artwork number to be used

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FPISO - FlexPass Imageable Card

Standard Part No.: FPISO-SSSCNA-0000

Description: 125 kHz, white glossy finish front, white glossy finish with Indala logo back, marking on standard location, no slot

punch, no magstripe, no artwork.



BASE MODEL NUMBERS

FPISO FlexISO Proximity Card

FPWGD FlexISO Proximity and Wiegand Combination Card

FPIXT FlexISO XT Composite Proximity Card

PROGRAMMING

\$ = Standard, Programmed, Low Frequency 125 kHz - exact coding standard, with no gaps or over-runs

(Specify Format Number, Facility Code, and ID Range)

N = Not Programmed, Low Frequency 125 kHz (Blank/Programmable)

FRONT GRAPHICS

S = Standard white glossy finish, suitable for video imaging

C = Custom (Artwork on file or new)

BACK GRAPHICS

S = Standard white glossy finish with Indala logo, card marking (Sales Order & matching internal ID number), suitable for dye sublimation imaging in most areas

C = Custom (Artwork on file or new)

MARKING POSITION

Note: Standard Marking is Label Code E153, which is Sales Order number & matching 5 digit internal ID number, is used unless otherwise specified. E153 marking is not compatible with programming option N.

C = Position 3/Standard Location (Back Side/Lower Right Corner)

Note: Inkjet marking is surface printed and, therefore is not to be considered permanent.

In some cases Laser etching will replace inkjet marking. Laser etching is permanent in most applications.

SLOT PUNCH

N = None

V = Vertical (portrait orientation) - Unavailable for FPWGD

H = Horizontal (landscape orientation)

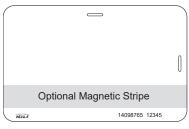
MAGNETIC STRIPE OPTION

A = No Magstripe

B = Standard Magstripe (3-track, high coercivity, 4000 oersted)

CUSTOM FILE NUMBER (4 Characters - Factory Assigned)

0000 = No Artwork (Call your Customer Service Representative for new artwork)



Position C

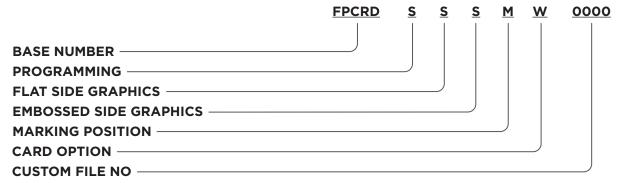


FPCRD - FlexCard Standard Card

Standard Part No.: FPCRD-SSSMW-0000

Description: 125 kHz, printed Indala logo on front, embossed Indala logo on back, card marking on flat side (lower right corner

with slot to the right), white color (not printable), no artwork. Vertical slot punch only.



BASE NUMBER

FPCRD - 125 kHz Clamshell type Proximity Card

PROGRAMMING

S = Standard, Programmed, Low Frequency 125 kHz - exact coding standard, with no gaps or over-runs

(Specify Format or Format Number, Facility Code, and ID Range)

N = Not Programmed, Low Frequency 125 kHz (Blank/Programmable)

FLAT SIDE GRAPHICS

- **S** = Standard (Flat Side with printed Indala logo)
- **C** = Custom (Artwork on file or new)

EMBOSSED SIDE GRAPHICS

- **S** = Standard (Embossed Side with embossed Indala logo)
- **C** = Custom (Artwork on file or new, still with embossed Indala logo)

MARKING POSITION

Notes:

- Standard Marking or Label Code E153, which is Sales Order number & matching internal ID number, is used unless otherwise specified.
- Inkjet marking is surface printed and, therefore is not to be considered permanent. In some cases Laser etching will replace inkjet marking. Laser etching is permanent in most applications.
- E153 marking is not compatible with programming option N
- A = Position 1/Flat Side (with slot punch to the right, lower left corner) available with Printable Option only
- C = Position 3/Flat Side (with slot punch to the right, lower right corner) available with Printable Option only
- **K** = Position 1/Embossed Side (with slot punch to the right, lower left corner)
- **M** = (Standard) = Position 3/Embossed Side (with slot punch to the right, lower right corner)

CARD OPTION

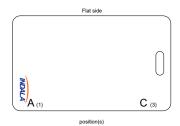
W = White (standard color) - surface treated with UV protection - may not accept printing

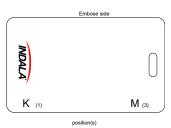
P = Printable, matt finish - No varnish, no logo, surface will accept post printing

CUSTOM FILE NUMBER (4 Characters - Factory Assigned)

0000 = No Artwork

Call your Customer Service Representative for new artwork



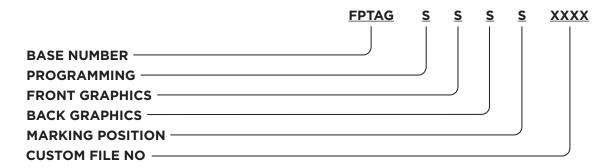




FPTAG - FlexTag

Standard Part No.: FPTAG-SSSS-XXXX

Description: 125 kHz, printed Indala logo on front side.



BASE NUMBER

FPTAG - 125 kHz Keytag Type Proximity Card

PROGRAMMING

S = Standard Programmed, Low Frequency 125 kHz - exact coding standard, with no gaps or over-runs.

(Specify Format or Format Number, Facility Code, and ID Range)

N = Not Programmed

FRONT GRAPHICS

S = Standard (printed Indala logo)

BACK GRAPHICS

S = Standard (no logo, printed strip for marking)

MARKING POSITION

Notes:

- Standard Marking or Label Code E201, which is a shortened version of the Sales Order number & matching internal ID number, is used unless otherwise specified.
- Inkjet marking is surface printed and, therefore is not to be considered permanent. Most Keytag marking will be with Laser etching which is permanent in most applications.
- E201 marking is not compatible with programming option N
- **S** = Standard (back side on printed strip)

CUSTOM FILE NUMBER XXXX (4 Characters - Factory Assigned)

0002 = No Artwork

AAAA = Custom Artwork. Contact your Customer Service Representative for new artwork.

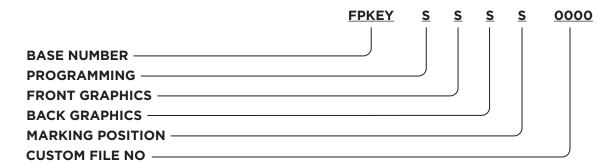
In order to support laser marking technology HID will be transitioning from a white release paper to a black release paper. Please consult your sales Account Manager for more information.



FPKEY - FlexKey Keytag

Standard Part No.: FPKEY-SSSS-0000

Description: 125 kHz, printed Indala logo on front side, printed strip for marking on back side.



BASE NUMBER

FPKEY - 125 kHz Keytag Type Proximity Card

PROGRAMMING

\$ = Standard, Programmed, Low Frequency 125 kHz - exact coding standard, with no gaps or over-runs

(Specify Format or Format Number, Facility Code, and ID Range)

N = Not Programmed, Low Frequency 125 kHz (Blank/Programmable)

FRONT GRAPHICS

- **S** = Standard (printed Indala logo)
- **C** = Custom (Artwork on file or new)

BACK GRAPHICS

- **S** = Standard (no logo, printed strip for marking)
- **C** = Custom (Artwork on file or new)

MARKING POSITION

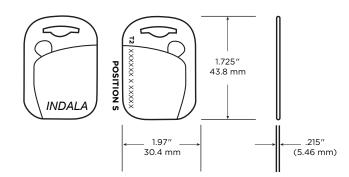
Notes:

- Standard Marking or Label Code E201, which is a shortened version of the Sales Order number & matching internal ID number, is used unless otherwise specified.
- Inkjet marking is surface printed and, therefore is not to be considered permanent. Most Keytag marking will be with Laser etching which is permanent in most applications.
- E201 marking is not compatible with programming option N
- **S** = Standard (back side on printed strip)

CUSTOM FILE NUMBER (4 Characters - Factory Assigned)

0000 = No Artwork

Call your Customer Service Representative for new artwork.





FlexPass Formats

The following formats are non-proprietary and are available to all customers.

Format Name: 26-BIT WIEGAND

Card Format Number Facility Code Range ID Number Range

 40134
 0 to 255
 0 to 65,535 (Systems installed prior to June 2003)

 ASP 10022
 0 to 255
 0 to 65,535 (All new Systems except FP Lite)

Reader Format Numbers

10022 (1L = 1x Wire for LED control) 10200 (2L = 2x Wires for LED control)

Format Name: 27-BIT INDALA

Card Format Number Facility Code Range ID Number Range

4010X 0 to 8,191 0 to 16,383

Reader Format Numbers

10251 (1L = 1x Wire for LED control) 1026X (2L = 2x Wires for LED control)

Format Name: ABA TRACK 2

Card Format Numbers Facility Code Range ID Number Range

 4038X (ASP)
 0 to 255
 0 to 99,999

 17256 (ASP+)
 0 to 99,999
 0 to 99,999

Reader Format Numbers

11037 OC (Open Collector) 11738 PUR (Pull Up Resistor)

Format Name: RS232 Serial Data

Card Format Number Card Programming Range

16144 up to 24 characters in total length, i.e. ABCD12345678901234567890

Reader Format Number

16144

Format Options for FP506B/FP507B Proximity & Keypad Readers (e.g. Format 10022K01)

| CFG. Number | Buf/Unbuf | Data Type | Options | Pin Size | Special Keys | Emulates |
|-------------|------------|-------------|------------------|-------------|-------------------|-------------------------------|
| K01 | UnBuffered | 8-bit burst | | | */# keys enabled | ARK-501 |
| K02 | UnBuffered | 8-bit burst | | | */# keys disabled | |
| K03 | Buffered | Wiegand | facility code xx | | */# keys enabled | |
| K04 | Buffered | Wiegand | facility code xx | | */# keys disabled | |
| K05 | Buffered | Magstripe | LSB First | 4 digit PIN | */# keys enabled | ARK-501 BUFFERED |
| K06 | Buffered | Magstripe | LSB First | 4 digit PIN | */# keys disabled | ARK-501 BUFFERED PINKERTON |
| K07 | Buffered | Magstripe | LSB First | 5 digit PIN | */# keys enabled | |
| K08 | Buffered | Magstripe | LSB First | 5 digit PIN | */# keys disabled | |
| K09 | Buffered | Magstripe | MSB First | 4 digit PIN | */# keys enabled | |
| K10 | Buffered | Magstripe | MSB First | 4 digit PIN | */# keys disabled | |
| K11 | Buffered | Magstripe | MSB First | 5 digit PIN | */# keys enabled | |
| K12 | Buffered | Magstripe | MSB First | 5 digit PIN | */# keys disabled | |
| K13 | Unbuffered | 4 bit burst | | | */# keys enabled | |
| K14 | Unbuffered | 4 bit burst | | | */# keys disabled | |



MIFARE Credentials

MIFARE Classic Card - 340 / 345 / 1430 / 1440 / 1436 / 1446

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. All MIFARE Classic cards can be ordered with or without SIO encoding. Use of a 1430, 1440, 1436, or 1446 for SIO encoding using the CP1000 will consume a chargeable credit.

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

| MIFARE Classic cards with SIO encoding OR (Recommended) | MIFARE Classic Cards without 1430 (1K) Standard PVC | out SIO encoding | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--|--|--|--|--|--|
| 3400 (1K) Standard PVC | 1440 (4K) Standard PVC | | | | | | | |
| 3406 (4K) Standard PVC | 1436 (1K) Composite 40% Polyester / PVC* | | | | | | | |
| 3450 (1K) Composite 40% Polyester / PVC* | 1446 (4K) Composite Polyester 40% / PVC* | | | | | | | |
| ☐ 3456 (4K) Composite Polyester 40% / PVC* | Programming (Select one o | | | | | | | |
| Programming* (Select one option) ☐ P - Programmed with Security Identity Object (SIO) for MIFARE Classic ☐ V - Unprogrammed Secure Identity object (SIO), | M - Programmed HID MIFARE6 access control application N - Unprogrammed MIFARE Classic for use with iCLASS SE Encoder (custom or HID) S - Custom programmed MIFARE Classic, requires custom | | | | | | | |
| for MIFARE Classic, for use with iCLASS SE Encoder. | part number | | | | | | | |
| *A marker is placed in sector 6 and will not be available for other data | | | | | | | | |
| Front Packaging (Select one option) | | | | | | | | |
| G - Plain White with Gloss Finish | 1 | | | | | | | |
| ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork | ⟨ Number¹ | | | | | | | |
| Back Packaging (Select one option) | 2.125" (5.4 cm) | Front Packaging | | | | | | |
| ☐ G - Plain White with Gloss Finish² | | U | | | | | | |
| ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² | | | | | | | | |
| ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork | ∢ Number¹,² | | | | | | | |
| ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ^{1,2} | ı | 3.370" (8.57 cm) | | | | | | |
| Card Numbering³ (Select one option) ☐ M - Sequential Matching Encoded/Printed (Inkjetted) ⁷ | (0.084 cm) | | | | | | | |
| ■ N - No Printed Card Numbering | 1 | | | | | | | |
| $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | | | | | | | | |
| ☐ V - UID (CSN) Decimal card numbering only (Inkjetted) ^{4,7} | | Back Packaging | | | | | | |
| ☐ S - Sequential Encoded/Sequential Non-Matching Printed (Inkje | tted) ⁷ | Daok Fackaging | | | | | | |
| R - Random Encoded/Non-Matching Sequential Printed (Inkjett | ■ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁷ | | | | | | | |
| ☐ A - Sequential Matching Encoded/Printed (Laser Engraved) | | | | | | | | |
| ☐ B - Sequential Encoded/Sequential Non-Matching Printed (Lase | er Engraved) | © Ⅲ MIFARE SE M1H 12345 YYYYYYYYYY XT | | | | | | |
| ☐ C - Random Encoded/Non-Matching Sequential Printed (Laser I | Engraved) | | | | | | | |
| Z - Reversed UID (CSN) Decimal card numbering only (Laser En | ngraved) 123 | 45 = Card ID Number | | | | | | |
| Slot Punch⁵ (Select one option) | | YYYYYY-YY = Sales Order Number | | | | | | |
| | | | | | | | | |
| ∇ - Vertical Slot Punch | | | | | | | | |

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| Option - Custom Ar | twork ¹ | | | | | |
|---------------------------|---------------------|---------------|-------------|------------------|-----------------------------|---------------------|
| | (Specify Artwork N | lumber - Refe | r to the Cı | ustom Artwork fo | orms for new artwork) | |
| Enter your final card o | ptions from check b | oxes above. E | xample: 3 | 400PGGNN | | |
| Final Part Number | | | | | - | (Options #) |
| | | | | | | |
| 13.56 MHz Card Pr | ogramming Info | rmation | | | | |
| | | | | | | |
| Format Number | Field Name(s | -,5- | Value | QTY | Encoded Start Number | Encoded Stop Number |
| | | | | | | |
| HID Elite ICE # | | | | | Printed Start Number | Printed Stop Number |
| | | | | | | |

*HID Elite key not applicable to base parts 1430, 1440, 1436, or 1446

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

²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details

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

⁴When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).

⁵Cards 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.

⁶Includes a permanent Unique MIFARE 32 Bit Serial number.

⁷Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

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



MIFARE Classic + Prox Card - 350 / 355 / 1431 / 1441 / 1437 / 1447

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. All MIFARE Classic + Prox cards can be ordered with or without SIO encoding. Use of a 1431, 1441, 1437, or 1447 for SIO encoding using the CP1000 will consume a chargeable credit.

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

| MIFARE Classic + Prox Card OR | MIFARE Classic + Prox Card | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| with SIO encoding (Recommended) | without SIO encoding | | | | | |
| 3500 (1K) Standard PVC | 1431 (1K) Standard PVC | | | | | |
| 3506 (4K) Standard PVC | 1441 (4K) Standard PVC | | | | | |
| 3550 (1K) Composite 40% Polyester / PVC* | ☐ 1437 (1K) Composite 40% Polyester / PVC* | | | | | |
| 3556 (4K) Composite 40% Polyester / PVC* | ☐ 1447 (4K) Composite 40% Polyester / PVC* | | | | | |
| Programming* (Select one option) | Programming (Select one option) | | | | | |
| | ☐ L - Programmed 125 kHz with HID Prox or Indala Format6, unprogrammed 13.56 MHz MIFARE Classic (for use with iCLASS SE Encoder custom or HID) | | | | | |
| ■ R - Programmed 13.56 MHz Security Identity Object (SIO) for MIFARE Classic, programmed 125 kHz with HID Prox or Indala format | | | | | | |
| $\hfill \hfill $ | ☐ B - Programmed 13.MHz with HID MIFARE6 access control | | | | | |
| *A marker is placed in sector 6 and will not be available for other data | N - Unprogrammed 13.56 MHz MIFARE (for use with SE Encoder custom or HID), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder | | | | | |
| | S - Custom Programmed 13.56 MHz MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder, requires custom part number | | | | | |
| Front Packaging (Select one option) G - Plain White with Gloss Finish | | | | | | |
| C - Custom Artwork with Gloss Finish - Specify Custom Artwork | Number ¹ 2.125" | | | | | |
| Back Packaging (Select one option) | (5.4 cm) Front Packaging | | | | | |
| 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 Number¹²² | 3.370" (8.57 cm) | | | | | |
| 13.56 MHz MIFARE Card Numbering ³ (Select one option) | 0.033" (0.084 cm) | | | | | |
| ■ M - Sequential Matching Encoded/Printed (Inkjetted) ⁵ | | | | | | |
| ■ N - No Printed Card Numbering | | | | | | |
| U - UID (CSN) HEX card numbering only (Inkjetted) ^{4,5} | Back Packaging | | | | | |
| $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | Dack Fackaging | | | | | |
| ☐ S - Sequential Encoded/Sequential Non-Matching Printed (Inkje | Note: 340 credential image may vary. | | | | | |
| ☐ R - Random Encoded/Non-Matching Sequential Printed (Inkjette | ed) ⁵ | | | | | |
| ☐ A - Sequential Matching Encoded/Printed (Laser Engraved) | © □□□ MIFARE SE M1H 12345 YYYYYYYYY XT | | | | | |
| ☐ B - Sequential Encoded/Sequential Non-Matching Printed (Lase | r Engraved) | | | | | |
| ☐ C - Random Encoded/Non-Matching Sequential Printed (Laser E | ngraved) | | | | | |
| Z - Reversed UID (CSN) Decimal card numbering only (Laser En | graved) | | | | | |



| Slot Punch (Select | t one op | otion) | | | | | | | | | | | |
|-----------------------------------------------------|-------------|------------|------------|-------------|------------------|---------|----------|------------|-------------|-----------|--------------|-----------------|----------------|
| N - No slot punch | h. This ca | ard can b | e slotted | d verticall | ly, Printed | Verti | cal S | Slot Indic | ators | | | | |
| | Punch | | | | | | | | | | | | |
| 125 kHz Proximity | Card N | umberi | ng³ (Se | lect one | option) | | | | | | | | |
| M - Sequential M | atching [| Encoded | /Printed | (Inkjette | d) | | | | | | | | |
| N - No Printed Ca | ard Num | bering | | | | | | | | | | | |
| 🗌 S - Sequential En | coded/S | Sequentia | al Non-M | atching F | Printed (In | kjette | ed) | | | | | | |
| 🗌 R - Random Enco | oded/No | n-Match | ing Sequ | ential Pri | inted (Inkj | etted | l) | | | | | | |
| 🗌 A - Sequential Ma | atching E | Encoded | /Printed | (Engrave | ed) | | | | | | | | |
| ☐ B - Sequential En | ncoded/9 | Sequenti | al Non-M | latching l | Printed (E | ngrav | /ed) | | | | | | |
| C - Random Enco | oded/No | n-Match | ing Sequ | ential Pri | inted (Eng | grave | d) | | | | | | |
| Option - Custom A | Artwork | 1 | | | | | | | | | | | |
| Specify Artwork | Numbe | r - Refer | to the C | ustom Ar | twork for | ms fo | r ne | w artwor | k) | | | | |
| Enter your final card | options | from che | eck boxe | s above. | Example: | 3506 | PGG | MNS | | | | | |
| Final Part Number | | | | | | N | 1 | | | _ | | | (Options #) |
| | | | | | | | | l | 1 | | | | |
| 13.56 MHz Card F | Program | mmina | Inform | ation | | | | | | | | | |
| 10.00 1 11 12 001 0 1 | | | | | | | | | | | | | |
| Format Number | | Field Na | me(s) e. | .g. | Value | | QT | Υ | Encod | ed Start | Number | Encoded Sto | op Number |
| | | Facility | Code | | | | | | | | | | |
| | | | | | | _ | | | _ | | | | |
| HID Elite ICE # | | | | | | _ | | | Printed | d Start N | lumber | Printed Stop | Number |
| | | | | | | | | | | | | | |
| HID Elite key not ap | plicable | to base | parts 14 | 31, 1441, | 1437, or 14 | 447 | | | | | | | |
| 105111 0 15 | | | | | | | | | | | | | |
| 125 kHz Card Pro | gramn | ning in | formati | on | | | | | | | | | |
| Format Number | | Field Na | ame(s) e. | a | Value | | QT | v | Encod | ad Start | Number | Encoded Sto | on Number |
| Torride Number | | Facility | | .9. | Value | | G. | • | Liicou | ca Start | Number | Liicodea St | op Humber |
| | | | | | | | | | | | | | |
| | | | | | | | | | Printed | Start N | lumber | Printed Stop | Number |
| | | | | | | | | | | | | | |
| Tan navy autovanie filas, a | antaat Cu | atamaau C | andaa fau | | tura ele merma l | | سناء امد | | a a t | | | | |
| For new artwork files, co | | | | | | | | | | | | IID la sua Tura | |
| Cards ordered with plai number printed in the lo | | | · | 0 0. | | | | | • | | | | |
| order number, a custom | | | | | | | | | | - | • | | .ca with sales |
| The Printed card number | er is place | d in the b | ottom rigl | ht-hand co | orner on the | e back | of th | ne card. | | | | | |
| When printed, by defau | | | _ | | | | | | nificant by | te). | | | |
| Please note that cards s | | | | , | | | | , , | - | • | r these card | ls. | |
| Includes a permanent U | | | | - | 3 | | | • | | | | | |
| The composite construc | - | | | | n over-lamin | nate ar | oplied | d. | | | | | |
| | | | | | | | | | | | | | |

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| Ensure each required opt | • | | e choice to fu | Ifill a completed o | order form. | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------|---------------------|-------------|--------|---------------|
| Base Model | ☐ 1434 (1K) | | □ 1444 (| (4K) | | | |
| Programming (Select of M - Programmed with N - Unprogrammed M S - Custom Programm | HID MIFARE ³ access cont IFARE Classic | | number | | | | |
| Front Packaging (Sele S - Standard HID Artw C - Custom Artwork - Back Packaging S - Standard | vork | Number ¹ | | | | H | |
| Key Numbering¹ (Sele M - Sequential Matchi N - No Printed Card N S - Sequential Encoded, R - Random Encoded, A - Sequential Matchi B - Sequential Encoded, C - Random Encoded, | ng Encoded/Printed (Inkjoumbering d/Sequential Non-Matchin/ Non-Matching Sequentia ng Encoded/Printed (Lase ed/Sequential Non-Matchi | ng Printed (Inkj I Printed (Inkjet er Engraved) ng Printed (Las | ted) ⁴ er Engraved) | | | | |
| Slot Punch ² N - None | | | | | | | |
| Enter your final Key optio | ns from check boxes abov | /e. Example: 143 | 34NSSNN | | I | | |
| Final Part Number | | | | S | | | N |
| 13.56 MHz Card Prog | ramming Information | | | | | | |
| | | | | | | | |
| Format Number | Field Name(s) a g | Value | OTV | Encoded Star | t Number | Encode | d Stan Number |

Facility Code

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Printed Start Number

Printed Stop Number

 $^{{}^{\}scriptscriptstyle 1}\text{The Printed}$ key number is placed on the back of the key.

²Key Ring sold separately (Part Number: 57-0001-02).

³Includes a permanent Unique MIFARE 32 Bit Serial number.

⁴Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.



MIFARE Classic Adhesive Tag - 1435

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

| Base Model | ☐ 1435 (1K) | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------|---------------|----------|---------|---------------------|--|
| Programming (Select on M - Programmed with H N - Unprogrammed MIFA S - Custom programmed | ID MIFARE ⁶ access contr ARE Classic | | required | | | | | |
| Front Packaging (Select one option) S - Standard HID Artwork C - Custom Artwork - Specify Custom Artwork Number ¹ | | | | | | | | |
| Back Packaging S - Standard | | | | | | | | |
| M - Sequential Matching N - No Printed Card Nur S - Sequential Encoded/ R - Random Encoded/N Slot Punch² N - None | | | | | | | | |
| Enter your final Tag options Final Part Number | from check boxes above | e. Example: 143 | 35NSSNN | s | | | N | |
| Final Fait Number | | | | 3 | | | N | |
| 13.56 MHz Card Progra | amming Information | 1 | | | | | | |
| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Star | t Number | Encode | d Stop Number | |
| | | | - | Printed Start | Number | Printed | Stop Number | |
| ¹ The Printed tag number is place to a black release paper. Please ² For new artwork files, contact C ³ The Tag is not for use on cards the substitution of the sub | consult your sales Account Customer Service for custom that use full insertion or trac IFARE 32 Bit Serial number. | Manager for mo artwork numbe | re information. r, lead-times, n | | | | white release paper | |

technologies. Compatibility should be confirmed prior to ordering.

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 Tag will work in every situation. Functional and non-functional Tags are available for compatibility testing with existing credential and reader

^{* =} Actual read range performance affected by mounting location, environment and the tags tuned resonant frequency.



MIFARE DESFire EV1 Card - 370 / 375 / 1450 / 1456

Based on open global standards for security, and is interoperable with existing MIFARE DESFire EV1 infrastructures. All MIFARE DESFire EV1 cards can be order either with or without SIO encoding. Use of a 1450 or 1456 for SIO encoding using the CP1000 will consume a chargeable credit.

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

| Card with SIO encoding | OR | Card without SIO encoding | | | | | |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| 3700 Standard PVC | | ☐ 1450 Standard PVC | | | | | |
| ☐ 3750 Composite 40% Polyester / PVC* | | ☐ 1456 Composite 40% Polyester | / PVC* | | | | |
| MIFARE DESFire EV1 Memory Size | MIFARE DESFire EV1 Memory Size | | | | | | |
| ☑ C - 8K Bytes MIFARE DESFire EV1 | | ▼ C - 8K Bytes MIFARE DESFire EV1 | | | | | |
| Programming | | Programming (Select one opti | ion) | | | | |
| □ P - Programmed Security Identity Object (SIO) for MIFARE DESFire EV1 | | N - Unprogrammed 13.56 MHz I SE Encoder (custom) | DESFire EV1 for use with iCLASS | | | | |
| | | □ S - Custom MIFARE DESfire EV1 programming - requires custom part number | | | | | |
| Front Packaging (Select one option) | : | | | | | | |
| ☐ G - Plain White with Gloss Finish | | | | | | | |
| C - Custom Artwork with Gloss Finish - Specify Custom Art | twork | | | | | | |
| Back Packaging (Select one option) G - Plain White with Gloss Finish ² | | 2.125" (5.4 cm) | Front Packaging | | | | |
| ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² | | | | | | | |
| ☐ C - Custom Artwork with Gloss Finish - Specify Custom Art | twork | Number ^{1,2} | | | | | |
| ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ^{1,2} | | , | 3,370" | | | | |
| Card Numbering ³ (Select one option) | | | (8.57 cm) | | | | |
| ■ M - Sequential Matching Encoded/Printed (Inkjetted) ⁴ | | 0.033" <u>†</u> [0.084 cm] | | | | | |
| ■ N - No Printed Card Numbering | | | | | | | |
| □ S - Sequential Encoded/Sequential Non-Matching Printed (| (Inkje | tted) ⁴ | | | | | |
| R - Random Encoded/Non-Matching Sequential Printed (In | ıkjette | ed) ⁴ | | | | | |
| ☐ A - Sequential Matching Encoded/Printed (Laser Engraved | Back Packaging | | | | | | |
| ■ B - Sequential Encoded/Sequential Non-Matching Printed (| (Lase | r Engraved) | Note: 340 credential image may vary. | | | | |
| ☐ C - Random Encoded/Non-Matching Sequential Printed (La | aser E | Engraved) | The state of the s | | | | |
| ☐ Z - Reversed UID (CSN) Decimal card numbering only (Las | Reversed UID (CSN) Decimal card numbering only (Laser Engraved) | | | | | | |

Slot Punch⁵

N - No Slot Punch. IMPORTANT - 3700, 3750, 1450, and 1456 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.



Option - Custom Artwork¹

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

(Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)

Final Part Number C (Options #)

13.56 MHz Card Programming Information

| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|-----------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| HID Elite ICE # | | | | Printed Start Number | Printed Stop Number |

^{*}HID Elite key not applicable to base parts 1431, 1441, 1437, or 1447.

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

²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

³The Printed card number is placed in the bottom right-hand corner on the back of the card. Permanent Unique MIFARE 56 Bit serial # cannot be printed on cards.

⁴Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

⁵Cards 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.

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



MIFARE DESFire EV1 + Prox Card - 380 / 385 / 1451 / 1457

Based on open global standards for security, and is interoperable with existing MIFARE DESFire infrastructures with the addition of Proximity technology for easier migration. All MIFARE DESFire EV1 cards can be order either with or without SIO encoding. Use of a 1451 or 1457 for SIO encoding using the CP1000 will consume a chargeable credit.

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

| Card with SIO encoding + Prox (Recommended) OR | Card without SIO encoding + Prox | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------|--|--|
| 3800 Standard PVC | ☐ 1451 Standard PVC | | | |
| ☐ 3850 Composite 40% Polyester / PVC* | 1457 Composite 40% Polyester / PVC* | | | |
| MIFARE DESFire EV1 Memory Size | *HITAG based cards are not available with composite | | | |
| C - 8K Bytes DESFire EV1 | MIFARE DESFire EV1 Memory Size | | | |
| Programming (Select one option) | | | | |
| P - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE DESFire EV1, unprogrammed 125 kHz HID Prox (for use with iCLASS SE Encoder) | Programming (Select one option) ☐ L - Programmed 125 kHz HID Prox or Indala, unprogrammed 13.56 MHz DESFire EV1 for SE Encoder (custom). | | | |
| ■ R - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE DESFire EV1, programmed 125 kHz HID Prox or Indala | N - Unprogrammed 13.56 MHz DESFire EV1 for iCLASS SE Encoder (custom), unprogrammed 125 kHz HID Prox for iCLASS SE Encoder. | | | |
| V - Unprogrammed 13.56 MHz with Secure Identity object (SIO) for MIFARE DESFire EV1 for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HIDProx for use with iCLASS SE | S - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HID Prox for iCLASS SE Encoder, custom par number required | rt | | |
| Encoder. | ☐ R - Custom programmed 13.56 MHz, programmed 125 kHz HI Prox or Indala, custom part number required | D | | |
| | ☐ F - Unprogrammed 13.56 MHz DESFire EV1 for use with iCLA SE Encoder (custom), unprogrammed HITAG 1 | SS | | |
| | ☐ G - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HITAG 1, custom part number required | | | |
| Front Packaging (Select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Back Packaging (Select one option) G - Plain White with Gloss Finish ² 1 - Plain White with Gloss Finish with Magnetic Stripe ² | 2.125" (5.4 cm) Front Packaging |] | | |
| C - Custom Artwork with Gloss Finish - Specify Custom Artwork 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹,² | 3.370" (8.57 cm) | → | | |
| 13.56 MHz DESFire Card Numbering³ (Select one option) ☐ M - Sequential Matching Encoded/Printed (Inkjetted)⁵ ☐ N - No Printed Card Numbering | 0.033" (0.084 cm) | | | |
| S - Sequential Encoded/Sequential Non-Matching Printed (Inkjett R - Random Encoded/Non-Matching Sequential Printed (Inkjett | |] | | |
| ▲ - Sequential Matching Encoded/Printed (Laser Engraved)⁴ ■ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)⁴ | | j | | |
| C - Random Encoded/Non-Matching Sequential Printed (Laser I | Engraved) ⁴ © COM MIFARE SE M1H 12345 YYYYYYYY-YY | хт | | |
| Slot Punch | | | | |
| IMPORTANT - MIFARE DESFire EV1 + prox credentials do not allow | | | | |
| a slot punch due to the antenna design, use a badge holder to attact this card to a lanyard or badge clip. | th 12345 = Card ID Number YYYYYYY-YY = Sales Order Number | er | | |
| X N - No Slot Punch | | | | |

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| 125 kHz Card Numbe | _ | | | | | | | | | | | |
|-------------------------------------------------------------|---------------------------------------------------------------------------------|-----------|-------------------|-------------|---------------------|-----------|-------------------|-----|---------------|------------|-----|---------------------|
| M - Sequential Matching Encoded/Printed (Inkjetted)⁵ | | | | | | | | | | | | |
| N - No Printed Card Numbering | | | | | | | | | | | | |
| S - Sequential Encod | S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁵ | | | | | | | | | | | |
| R - Random Encode | d/Non-l | Matching | g Sequen | itial Print | ed (Inkjet | tted)⁵ | | | | | | |
| 🗌 A - Sequential Matc | ning End | coded/P | rinted (L | aser Eng | raved) ⁴ | | | | | | | |
| ☐ B - Sequential Enco | ded/Sed | quential | Non-Mat | ching Pri | nted (Las | ser Engra | /ed) ⁴ | | | | | |
| C - Random Encode | d/Non-l | Matching | g Sequen | itial Print | ed (Lasei | r Engrave | d) ⁴ | | | | | |
| Option - Custom Art | work ¹ | | | | | | | | | | | |
| | Specify | Artwork | Number | - Refer t | o the Cus | stom Artv | vork Fo | rms | for new A | Artwork) | | |
| Enter your final card op | tions fro | om chec | k boxes a | above. Ex | ample: 3 | 850CPGG | NNN | | | | | |
| Final Part Number | | С | | | | | N | | | - | | (Options #) |
| | | | | | | | ' | | | | | |
| 13.56 MHz Card Pro | gramr | ming Ir | nformat | ion | | | | | | | | |
| | | | | | | | | | | | | |
| Format Number | | eld Nam | e(s) e.g. | ' | /alue | QTY | | E | ncoded St | tart Num | ber | Encoded Stop Number |
| | Fa | cility CC | Jue | | | | | | | | | |
| IIID Elita ICE # | | | | | | - | | - | winder of Che | ut Niveala | | Drinted Step Number |
| HID Elite ICE # | - | | | | | _ | | P | rinted Sta | rt Numbe | er | Printed Stop Number |
| | | | | | | | | | | | | |
| 125 kHz Card Progr | ammir | ng Info | rmation | า | | | | | | | | |
| | | | | | | | | | | | | |
| Format Number | | eld Nam | ie(s) e.g. ode | ' | /alue | QTY | | E | ncoded St | tart Num | ber | Encoded Stop Number |
| | | | | | | | | | | | | |
| | | | | | | | | Pı | rinted Sta | rt Numb | er | Printed Stop Number |
| | | | | | | | | | | | | |

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

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

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

³The Printed card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Proximity Programming only. Permanent unique MIFARE DESFire 56 Bit serial # cannot be printed on cards.

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

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



CP1000 iCLASS SE Encoder

iCLASS SE Encoder Summary

The iCLASS SE Encoder Platform for encoding contactless credentials is:

- Dynamic Support for a wide range of credential technologies, including iCLASS Seos, iCLASS SE, iCLASS, HID Prox, MIFARE Classic, and MIFARE DESFire EV1 from single encoder.
- Flexible Manage custom keys locally or leverage HID standard and Elite keys.
- Convenient On-site programming of card stock speeds up the delivery time to obtain and issue cards.
- Seamless Encode multi-tech credentials in a single pass, saving time and resources.

HID Global's iCLASS SE Encoder is an ideal solution for organizations to encode credentials and configure readers. Highly versatile, the encoder can locally manage HID Global standard Keys, Elite Keys or securely define and manage custom keys. The dynamic iCLASS SE Encoder has the capability to encode and manage a wide variety of credential technologies, interoperable with iCLASS SE readers. The solution allows users to upgrade existing card populations for use with higher security iCLASS SE Platform readers. That same flexibility also supports new credential technologies as they arise.

The iCLASS SE Encoder is available either as a desktop device as the CP1000D, or as an in-line encoder within a FARGO® card printer. The in-line encoder enables organizations to graphically and electronically personalize 13.56 MHz and 125 kHz HID Prox cards in one seamless process, saving time and energy. This How to Order Guide will provide details for ordering credential credits, formats, and key for both the desktop and in-line encoder. Contact your local Fargo sales representative for in-line encoder information.

iCLASS SE Encoder - How Does it Work?

The iCLASS SE Encoder solution is made up of following components:

- Hardware Encoder is available in either a desktop or in-line printer form factor
- Software The encoder solution is compatible with two editions of Asure ID™:
 - Asure ID CP1000 Edition This edition is included with the purchase of a desktop encoder (CP1000D) and is suitable for standalone desktop encoding. The solution enables data to be manually entered or to have it automatically increment after each encoded card.
 - Asure ID Exchange Edition This edition is purchased separately and in addition to supporting the desktop encoder is the only edition which supports the in-line encoder. This solution can also connect to external databases in real-time when reading/encoding contactless cards.
- Credential Credits The encoder utilizes credential credits to enable the encoding of contactless cards. The solution will decrement a credential credit each time a card has been encoded. Each credential technology and security combination will utilize a specific credential credit type (i.e. iCLASS Seos card secured with an Elite key). Credential credit part numbers are allocated for Genuine HID or Third Party Credentials. The iCLASS SE Encoder is able to determine the source of the credential during the encoding cycle and will decrement the appropriate counter accordingly. Select encoder ready MIFARE Classic and MIFARE DESFire EV1 part numbers to avoid consuming a chargeable credit.
- Formats Utilizes pre-defined format templates, eliminating the need to understand access control formatting and card numbering schemes. HID formats can be ordered using this HTOG but approval may be needed for proprietary formats.
- Keysets Supports HID Elite, Standard, or Custom keys. Standard and HID Elite keys can be ordered using this HTOG but approval will be needed for HID Elite keys.

iCLASS SE Encoder Ordering Basics

The iCLASS SE Encoder is available for sale without a renewable lease agreement since it utilizes a credential credit process to encode cards. Follow the 5 steps below to ensure the correct hardware, encoding and configuration card credits, programming format and keys are ordered. If at any time you require assistance, contact your local HID Global sales or pre-sales representative.





Step 1: Hardware

Part Number: CP1000D

Contains:

- USB Desktop Encoder
- Installation Guide
- USB Flash Drive containing:
 - Asure ID CP1000 Desktop Application
 - onfiguration package (*.ise file) that contatins default credits, format H10301 (26-bit) and standard keys listed in the table below
 - User documentation
- The following credits, formats, and sample cards (<u>included by default</u> with every CP1000D) if additional credits are needed, refer to Step 2 and add the required part numbers to the order form.

| Credits Included | | | | | | | |
|------------------|-------------|----------------------------------------------------------|--|--|--|--|--|
| Quantity | Part Number | Description | | | | | |
| 100,000 | CRDT-K0 | HID Prox Credential - Access Control | | | | | |
| 100,000 | CRDT-A0 | iCLASS Credential - Access Control | | | | | |
| 100,000 | CRDT-A3 | iCLASS SE Credential - Access Control | | | | | |
| 500,000 | CRDT-A5 | iCLASS Credential - Custom Data | | | | | |
| 30 | CRDT-D3 | iCLASS Seos Credential - Access Control | | | | | |
| 30 | CRDT-D5 | iCLASS Seos Credential - Custom Data | | | | | |
| 100,000 | CRDT-B0 | HID MIFARE Classic Credential - Access Control | | | | | |
| 100,000 | CRDT-B3 | HID MIFARE Classic Credential - Access Control (SIO) | | | | | |
| 500,000 | CRDT-B5 | HID MIFARE Classic Credential - Custom Data | | | | | |
| 100,000 | CRDT-F5 | Third Party MIFARE Classic Credential - Custom Data | | | | | |
| 100,000 | CRDT-C3 | HID MIFARE DESFire EV1 Credential - Access Control (SIO) | | | | | |
| 500,000 | CRDT-C5 | HID MIFARE DESFire EV1 Credential - Custom Data | | | | | |
| 100,000 | CRDT-G5 | Third Party MIFARE DESFire EV1 Credential - Custom Data | | | | | |
| 30 | CRDT-J0 | Configuration Card Generation | | | | | |

| Formats Included | |
|------------------|------------------------------------------------------|
| Format | Description |
| H10301 | 26-bit (Facility code range 0-255, ID range 0-65535) |

| Sample Cards Included | | | |
|-----------------------|-------------------------|------------------------------------------------------------------|--|
| Quantity | Part Number | Description | |
| 2 | 1386NGGNB | HID Prox | |
| 2 | 2000CGGNN and 2003CGGNN | iCLASS 2k and 32k | |
| 2 | 3000VGGNN and 3003VGGNN | iCLASS SE 2k and 32k | |
| 3 | 5005VGGNN | iCLASS Seos 16K | |
| 2 | 1430NGGNN and 1440NGGNN | MIFARE Classic 1K and 4k | |
| 2 | 1450CNGGNN | MIFARE DESFire EV1 8K | |
| 1 | 0501600475-READER | Reader Data Configuration Card (compatible with iCLASS SE Rev E) | |
| 1 | 0501600475-ELITE | HID Elite Prep Transport | |
| 1 | 2000PCCNN-LEGACY | iCLASS LegacyTransport | |

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Step 2: Select Additional Credential Credits

The iCLASS SE Encoder utilizes credential credits to enable the encoding of contactless credentials. Each credential technology, security combination and programming data will utilize a specific credential credit. Credits are loaded and strored in the CP1000D USB desktop encoder hardware.

The iCLASS SE Encoder is able to determine the source of the credential during the encoding cycle and will decrement the appropriate credit counter accordingly. A reader compatibility list is provided for each credential credit table. Select encoder ready MIFARE Classic and MIFARE DESFire EV1 part numbers to avoid consuming a chargeable credit.

Genuine HID Technology Credential Credits - Part Tables

What Credential Credits do I need?

Select credits based on HID technology type and required programming. Some credits are chargeable, please refer to the current price list for details. Add the required part numbers to the order form.

| Seos Technology | Кеу Туре | Programming | Credit Part Number | Chargeable? |
|-----------------|-------------|-------------|--------------------|-------------|
| Seos | Standard | SIO | CRDT-D3 | NO |
| Seos | HID Elite1 | SIO | CRDT-D4 | YES |
| Seos | Key Rolling | N/A | CRDT-D6 | NO |

| iCLASS Technology | Key Type | Programming | Credit Part Number | Chargeable? |
|--------------------|-------------|-------------|--------------------|-------------|
| iCLASS SE (V type) | Standard | SIO | CRDT-A3 | NO |
| iCLASS SE (V type) | HID Elite1 | SIO | CRDT-A4 | YES |
| iCLASS | Standard | Standard | CRDT-A0 | NO |
| iCLASS | HID Elite1 | Standard | CRDT-A1 | YES |
| iCLASS | N/A | Custom Data | CRDT-A5 | NO |
| iCLASS /iCLASS SE | Key Rolling | N/A | CRDT-A6 | NO |

| MIFARE CLASSIC Technology | Key Type | Programming | Credit Part Number | Chargeable? |
|----------------------------------------|-------------|-------------|--------------------|-------------|
| MIFARE CLASSIC (V Type) | Standard | SIO* | CRDT-B3 | NO |
| MIFARE CLASSIC (V Type) | HID Elite1 | SIO* | CRDT-B4 | YES |
| MIFARE CLASSIC (V Type) | Standard | HID MIFARE | CRDT-B0 | NO |
| MIFARE CLASSIC (V Type) | N/A | Custom Data | CRDT-B5 | NO |
| MIFARE CLASSIC/ SIO for MIFARE CLASSIC | Key Rolling | N/A | CRDT-B6 | NO |

^{*}Use encoder reader "V" type credentials only for SIO programming. Use of HID unprogrammed MIFARE CLASSIC cards will consume a chargeable third party credit.

| 125 kHz Technology | Key Type | Programming | Credit Part Number | Chargeable? |
|--------------------|----------|-------------|--------------------|-------------|
| HID Prox | N/A | Standard | CRDT-K0 | NO |

| MIFARE DESFire Technology | Key Type | Programming | Credit Part Number | Chargeable? |
|----------------------------------------|-------------|-------------|--------------------|-------------|
| MIFARE DESFire (V Type) | Standard | SIO* | CRDT-C3 | NO |
| MIFARE DESFire (V Type) | HID Elite1 | SIO* | CRDT-C4 | YES |
| MIFARE DESFire (V Type) | N/A | Custom Data | CRDT-C5 | NO |
| MIFARE DESFire/ SIO for MIFARE DESFire | Key Rolling | N/A | CRDT-C6 | NO |

^{*}Use encoder reader "V" type credentials only for SIO programming. Use of HID non-programmed MIFARE DESfire cards will consume a chargeable third party credit.

| Configuration Card | Key Type | Programming | Credit Part Number | Chargeable? |
|-------------------------|----------|--------------------|--------------------|-------------|
| SE Reader Configuration | N/A | Configuration Data | CRDT-J0 | NO |

¹Authorization is required by the end user or owner of the HID Elite (formerly iCLASS Elite) keys before these can be released. Contact customer services for information on the authorization process.



Third Party HID Technology Credential Credits - Part Tables

What Credential Credits do I need?

Select credits based on the third party card technology. Most credits are chargeable but regional variations exist, , please refer to the current price list for details. Add the required part numbers to the order form.

Note: Use of standard "N type" HID MIFARE Classic and MIFARE DESFire EV1 supplied cards will consume a chargeable credit. Order "V type" HID MIFARE Classic and MIFARE DESFire EV1 cards to avoid consuming a chargeable credit.

| MIFARE CLASSIC Technology | Key Type | Programming | Credit Part Number | Chargeable? |
|---------------------------|------------|-------------|--------------------|----------------|
| MIFARE Classic | Standard | SIO | CRDT-F3 | YES |
| MIFARE Classic | HID Elite1 | SIO | CRDT-F4 | YES |
| MIFARE Classic | Standard | HID MIFARE | CRDT-F0 | See Price List |
| MIFARE Classic | N/A | Custom Data | CRDT-F5 | See Price List |

| MIFARE DESFire Technology | Кеу Туре | Programming | Credit Part Number | Chargeable? |
|---------------------------|------------|-------------|--------------------|-------------|
| MIFARE DESFire | Standard | SIO | CRDT-G3 | YES |
| MIFARE DESFire | HID Elite1 | SIO | CRDT-G4 | YES |
| MIFARE DESfire | N/A | Custom Data | CRDT-G5 | YES |

Reader Compatibility Table

| Credential Part Number | Reader Compatibility |
|----------------------------|-----------------------------------------------------------------------------------|
| CRDT-A0 | iCLASS Rev A, B, C & iCLASS SE interpreter type "T" with keyset "O" |
| CRDT-A1 | iCLASS Rev A, B, C & iCLASS SE interpreter type "T" and matching Elite ICE keyset |
| CRDT-A3, CRDT-B3, CRDT-C3, | iCLASS SE readers only interpreter type "T" or "N" with keyset "O" or "2" |
| CRDT-D3, CRDT-F3, CRDT-G3, | |
| CRDT-H3 | |
| CRDT-A4, CRDT-B4, CRDT-C4, | iCLASS SE readers only interpreter type "T" or "N" with matching Elite ICE keyset |
| CRDT-D4, CRDT-F4, CRDT-G4, | |
| CRDT-H4 | |
| CRDT-A5 | iCLASS Rev A, B, C & iCLASS SE |
| CRDT-F0 | HID 6055B, FlexSmart™ 6071/6072, Smart ID 8030DSHM/8031DSHM |
| CRDT-B0 | (HID MIFARE Only) and specific models of iCLASS SE. |
| CRDT-B5, CRD-C5, CRDT-F5, | iCLASS SE Migration readers only with matching custom key and mapper profile |
| CRDT-G5 | |
| CRDT-K0 | HID Prox compatible readers including multiCLASS |

Authorization is required by the end user or owner of the HID Elite (formerly iCLASS Elite) keys before these can be released. Contact customer services for information on the authorization process.

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Step 3: Select Additional Formats

The iCLASS SE Encoder supports a wide range of HID formats; by default every encoder is supplied with H10301, the HID open 26-bit format with full facility code and ID range. Use this section as a guide to order additional HID open/tracked, Corporate 1000 or OEM formats. Add the required part number and details to the order form.

| Format Part Number | Format Type |
|--------------------|---------------------------------|
| FRMT-J1 | HID open/tracked or OEM formats |
| FRMT-J2 | HID Corporate 1000 formats |

Tracked ID Number Ranges

If you order a tracked format for example Corporate 1000, H10302 or H10304 the next available number range is automatically assigned. A limit of 10,000 ID numbers per order applies to H10302.

Read Only

If you have a requirement for format read-only functionality for example, to read the encoded format as part of the printing process, order the required format with a card ID range of one number. The availability of the format on the encoder provides read-only functionality for the entire format ID range and variable field values.

How to order FRMT-J1 (HID open, tracked or OEM format)

Example 1:

- I want to order H10301 (HID open 26-bit with facility code and number range)
- I want facility code 99
- I want 500 numbers starting at 1,001

| Part Number | |
|-------------|--|
| FRMT-J1 | |

| Format Number |
|---------------|
| H10301 |

| Field Name(s) e.g. Facility Code | Value |
|----------------------------------|-------|
| Facility Code | 99 |
| | |
| | |

| uantity |
|---------|
| 00 |
| |

Example 2:

- I want to order H10304 (HID tracked 37-bit with reserved facility code)
- I want facility code 99
- I want 1,000 numbers (since H10304 is tracked, the next available numbers will be allocated)

| Part Number |
|-------------|
| FRMT-J1 |

| Format Number | |
|---------------|--|
| H10304 | |

| Field Name(s) e.g. Facility Code | Value |
|----------------------------------|-------|
| Facility Code | 99 |
| | |
| | |

| Start Number | Quantity |
|--------------|----------|
| N/A | 500 |
| | |

How to order FRMT-J2 (Corporate 1000 format)

Example

- I want to order a Corporate 1000 format
- I want 10,000 numbers (since Corporate 1000 formats are tracked, the next available numbers will be allocated)

| Part Number | |
|-------------|--|
| FRMT-J2 | |

| Format Number |
|---------------|
| H2004095 |

| Company ID Code Value |
|-----------------------|
| 4095 |

| Start Number | Quantity |
|--------------|----------|
| N/A | 10,000 |



Step 4: Select Additional Keysets

Key Management is a complex subject that requires some understanding of the various technologies and how smart card applications are managed. For example, encoding data on an iCLASS or MIFARE Classic card requires, at a minimum, a single authentication key to gain access to the application area or sector. The application data may have additional security enhancements requiring additional keys. The HID Application for example, requires two DES keys, one key for authentication to the app area and another key for encryption of the application data, while the Secure Identity Object (SIO) requires AES keys for encryption and signing the credential. Each technology will differ in terms of the keys that need to be created and managed. The iCLASS SE Encoder includes utilities for managing individual keys as well as grouping those keys into key sets for ease of deployment.

To ensure your iCLASS SE Encoder is equipped with the correct keys it is necessary to order keysets appropriately. There are three classes of keysets available which are explained below.

Media Keyset

Media keysets provide all the cryptographic keys necessary to set up and encode cards. The keys delivered with each part number will vary depending on the needs of the technology. For instance part number CKEYMED-ICL-0 will deliver the iCLASS media Keyset for accessing the HID application area, the encryption key for the PACS data, and the key for accessing the SE application area. If you are using HID Elite Credentials, the part number will be CKEYMED-ICL-1.

Part number CKEYMED-MIF-n will deliver Key A and Key B for accessing the HID application on a MIFARE Classic card as well as transport keys for the MAD (MIFARE Application Directory).

Part number CKEYMED-DES-n will deliver keys for accessing the HID application on a MIFARE DESFire EV1 card including the PICC master key, the application master key and the application read and write keys.

Reader Configuration Keyset

The Reader configuration keyset provides the privacy and authentication keys necessary to create configuration cards. Typically, configuration cards are needed to push new keys and/or configuration data to the reader. In order to utilize this solution, programmable configuration card are needed to be ordered.

Part numbers for these cards are:

- **0501600475-READER** used for reader configuration
- **0501600475-ELITE** used for HID Elite key preparation.

SIO Keyset

The SIO Keyset provides the privacy and authentication keys for HID's Secure Identity Objects. Because SIOs are independent of card technology, their keys are ordered separately.

Default Keysets

The iCLASS SE Encoder is delivered with the following standard Keysets:

| Keysets | Security | Credit Part Number |
|-----------------------------|--------------|--------------------|
| Seos Media Keyset | HID Standard | CKEYMED-SEOS-0 |
| iCLASS Media Keyset | HID Standard | CKEYMED-ICL-0 |
| MIFARE Classic Media Keyset | HID Standard | CKEYMED-MIF-0 |
| MIFARE DESFire Media Keyset | HID Standard | CKEYMED-DES-0 |
| Reader Configuration Keyset | HID Standard | CKEYCFG-0 |
| SIO Keyset | HID Standard | CKEYSIO-0 |

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Additional HID Elite Keysets

Select the appropriate additional HID Elite keyset to encode HID or third party credentials or generate configuration cards with an HID Elite key. All HID Elite keysets are free of charge, however a suitable HID Elite credential credit is required to encode credentials with an HID Elite key. Add the required part number to the order form.

| Keysets | Security | Keyset Part Number | Chargeable? |
|-----------------------------|-----------|--------------------|-------------|
| Seos Media Keyset | HID Elite | CKEYMED-SEOS-1 | NO |
| iCLASS Media Keyset | HID Elite | CKEYMED-ICL-1 | NO |
| MIFARE Classic Media Keyset | HID Elite | CKEYMED-MIF-1 | NO |
| MIFARE DESFire Media Keyset | HID Elite | CKEYMED-DES-1 | NO |
| Reader Configuration Keyset | HID Elite | CKEYCFG-1 | NO |

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Step 5: Encoder Order Form

Complete the order form and submit it to your local HID Global order processing team

| Hardware | | |
|-------------|--------------------------------------------------------------------|-----|
| Part Number | Description | QTY |
| CP1000D | CP1000D USB encoder with H10301, standard keys and default credits | |

| Existing CP1000 Serial Number - [Only required to order formats, credits and keysets for an existing encoder] | | | | | |
|---------------------------------------------------------------------------------------------------------------|----|--|--|--|--|
| Serial Number (found on underside of USB device or inside door/bottom of printer): | СР | | | | |

| Additional Credits | |
|---------------------------|-----|
| Part Number | QTY |
| CRDT- | |

| Additional Open, Tracked of OEM Formats ^{1,2} Note: A limit of 10,000 numbers per order applies to format H10302 | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------|---------------|-------------|-------|-----------------|-----|--|--|
| Part Number | Format Number | Field Names | Value | ID Start Number | QTY | | |
| FRMT-J1 | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Part Number | Format Number | Field Names | Value | ID Start Number | QTY | | |
| FRMT-J1 | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Part Number | Format Number | Field Names | Value | ID Start Number | QTY | | |
| FRMT-J1 | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Additional Corporate 1000 Formats ^{3,4} | | | | | |
|--------------------------------------------------|---------------|-----------------|-----|--|--|
| Part Number | Format Number | Company ID Code | QTY | | |
| FRMT-J2 | | | | | |
| FRMT-J2 | | | | | |
| FRMT-J2 | | | | | |

| Additional HID Elite Media Keysets ⁵ | | | | | |
|-------------------------------------------------|-----------|-----|--|--|--|
| Part Number | ICE Key # | QTY | | | |
| CKEYMED1 | | 1 | | | |
| CKEYMED1 | | 1 | | | |
| CKEYMED1 | | 1 | | | |

| Additional HID Elite Reader Configuration Keyset ^{6,7} | | | | | | |
|-----------------------------------------------------------------|-----------|-----|--|--|--|--|
| Part Number | ICE Key # | QTY | | | | |
| CKCFG1 | | 1 | | | | |
| CKCFG1 | | 1 | | | | |
| CKCFG1 | | 1 | | | | |

¹OEM formats required owner authorization, H10304 facility codes are registered to a specific account. Contact customer services for information on the authorization process.

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²HID open formats such as H10301 and H10320 requires the customer to specify the required number range. HID does not track open formats.

³HID open, tracked formats such as H10302 and H10304 are tracked by HID, duplicates are not allowed.

⁴Authorization is required by the end user authorized contacts. Contact customer services for information on the authorization process.

⁵Corporate 1000 number ranges ordered for the CP1000 will not be available for future physical card orders.

^{6,7}Authorization is required by the end user or owner of the HID Elite (formerly iCLASS Elite) keys before these can be released. Contact customer services for information on the authorization process.



Embeddable Credentials

Overview

What is an Embeddable Card?

HID's Embeddable Cards offers customers an ISO Standard product that can be embedded with a contact chip according to ISO/IEC 7816 specifications. Contactless credential technologies such as Seos, iCLASS SE, iCLASS and Prox can be provided in an embeddable credential to ensure interoperability. If you would like to specify a card with both Contact and Contactless technologies please visit the Crescendo How to Order Guide.

Why do I need an Embeddable Card?

Embeddable Cards enable the option of adding a contact chip, when coupled with a system of contact chip readers they can be used to provide additional security to protect access to personal computers, IT networks, and data. Contact chip based solutions can facilitate faster data transactions, meaning higher levels of encryption can be used without compromising the overall transaction time, they can also be used for secure access to physical spaces and facilities. Embeddable Cards are manufactured to a very specific set of tolerances designed to accept a contact chip without compromising card integrity.

Can I Configure my Embeddable Credential Product Online?

Yes, HID Global® is now offering the HID Global Product Configurator. This online tool will guide customers and partners toward the most suitable product for their needs. There are two main features available with this tool:

- Find by part number allows customers to enter an exiting part number to see the specification of this credentials
- **Build a credential** helps customers construct a complete part number, including keyset and formatting information; everything needed to place an order. Customers will be able to download a PDF with all specifications of the credential they build to allow for a smooth ordering process.

HID Global Product Configurator: https://www.hidglobal.com/configure

Credentials Marking

For information on Card Identification Markings, please see the "Card Identification Application note", available for download at https://www.hidglobal.com/node/23025

Embedding Capability

All Cards should be embedded on the Front Only. If the Partner/End User wishes to embed on the back of the card, please note that a custom part number would be required.

For other Credential information click on the links below:

- What should I know about security keysets?
- How can I order HID Elite configured credentials?
- How can I migrate from my current credential technology?
- Understanding Credential Formats
- Understanding Credential Programming



Embeddable Seos Credentials

Seos Embeddable Card - 501

Increased security and interoperability cards for installation supporting HID Signo and iCLASS SE reader platform Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

| Base Model | Base Model 🗵 501 Composite 40% Polyester / PVC 60% | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------|---------------------|-------------|-----------------------------------------------------|------------------|--------------------------------------------------------------|--------------------|--------|------------------------|
| iCLASS Memory Size and 5 - 16K Bytes 6 - 8K Bytes Secure Identity Object Proprogrammed with Secure V - Unprogrammed, for use | ogrammii urity Ident | 1g Ity Object | | Cł | Optional tact Smart nip Module front Only) | | Front Pa Contac not inc | ct chip | | |
| Front Packaging (Select of G - Plain White with Gloss C - Custom Artwork with Specify Custom Artwork I | Finish Gloss Finis | | | | 033" 44 cm) | | 3.37 (8.57 | | | SHARED CARD EDGE |
| Back Packaging (Select o G - Plain White with Gloss C - Custom Artwork with Specify Custom Artwork I 1 - Plain White with Gloss | s Finish ² Gloss Finis Number ¹ | h - | Stripe ² | | 2.125" (5.4 cm) | | Back Pa | ckaging | | <u>·</u> |
| 3 - Custom Artwork with C Specify Custom Artwork I | | n with Mag | netic Strip | oe - | <u> </u> | (1/2" | Optional Mag HICO/High E ASS Seos JH | | 0 Oe) | |
| Card Numbering³ (Select N - No External Card Num A - Sequential Matching In B - Sequential Internal/Se C - Random Internal/Non- | nbering nternal/Ext quential N | ernal (Las on-Matchir | ng Externa | ıl (Laser E | | 12345 = YYYYY | ASS Seos Pr : Card ID Nu YYY-YY = Sa order is a var | mber ales Order | Number | |
| Slot Punch N - No Slot Punch Option - Custom Artwork | | | | | | | | | | |
| [Specify Artv | | | | | | for new Artv | work) | | | |
| Final Part Number | 501 | | Р | | | N | | - | (Optio | ons #) |



iCLASS Seos Card Programming Information

| Format Number (e.g. H10301) | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|--------------------------------|----------------------------------|-------|-----|-----------------------------|----------------------------|
| Bit Numbers (e.g. 26 bit) | | | | Printed Start Number | Printed Stop Number |
| ICE Number | | | | | |

Special Instructions:

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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

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

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

⁴Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for detail.



Seos + Prox Embeddable Card - 511

Migration solution from proximity to high security for support in HID Signo or iCLASS SE reader platform.

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

| Base Model 🗵 511 Composite 40% Pol | lyester / PVC | C | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----|
| iCLASS Memory Size and Allocation | | | |
| 5 - 16K Bytes6 - 8K Bytes | Optional | Front Packaging | |
| Secure Identity Object Programming (Select one option) P - Programmed with Security Identity Object (SIO), Prox non programmed | Contact Smart Chip Module – (Front Only) | Contact chip not included | |
| □ R - Both interfaces programmed: iCLASS Seos with Security Identity Object (SIO), Prox programmed with HID format | | 3.370" | |
| | 0.033" V | (8.57 cm) SHA CAR EDO | |
| Front Packaging (Select one option) G - Plain White with Gloss Finish | 1 | | J_ |
| ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ¹ | | Back Packaging | |
| Back Packaging (Select one option) G - Plain White with Gloss Finish ² | 2.125" (5.4 cm) | | |
| ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ¹ | | Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) © FIID iCLASS Seos JH Y 12345 YYYYYYYYYYY | |
| 1 - Plain White with Gloss Finish with Magnetic Stripe ² | <u> </u> | CE IIII ICLASS SEOS SIT | |
| | | V = iCL ASS Soos Drogramming | |
| 13.56 MHz iCLASS Card Numbering³ (Select one option) N - No External Card Numbering | | Y = iCLASS Seos Programming 12345 = Card ID Number YYYYYYYYYY = Sales Order Number Sales Order is a variable length | |
| A - Sequential Matching Internal/External (Laser Engraved) | | Sales Order is a variable length | |
| ■ B - Sequential Internal/Sequential Non-Matching External (Laser■ C - Random Internal/Non-Matching Sequential External (Laser | | | |
| Slot Punch | | | |
| 125 kHz Card Numbering³ (Select one option) N - No External Card Numbering | | | |
| ☐ A - Sequential Matching Internal/External (Laser Engraved) | | | |
| ■ B - Sequential Internal/Sequential Non-Matching External (Laser■ C - Random Internal/Non-Matching Sequential External (Laser | _ | | |
| Option - Custom Artwork ¹ [Specify Artwork Number - Refer to the Custom A | rtwork Forms fo | or new Artwork) | |



Readers and Credentials How to Order Guide

Enter your final card options from check boxes above. Example: 5015PGGNN

| Final Bart Number | E11 | | | N | _ | (Ontions #) | ı |
|-------------------|-----|--|--|---|---|-------------|---|
| Final Part Number | 511 | | | N | - | (Options #) | l |

QTY

iCLASS Seos Card Programming Information

| Format Number (e.g. H10301) |
|--------------------------------|
| |
| Bit Numbers (e.g. 26 bit) |
| |
| ICE Number |
| |

| Field Name(s) e.g. Facility Code | Value |
|-------------------------------------|-------|
| | |
| | |
| | |

| Encoded Start Number | Encoded Stop Number |
|-----------------------------|----------------------------|
| Printed Start Number | Printed Stop Number |
| | |

125 kHz Programming Information

| Format Number (e.g. H10301) |
|--------------------------------|
| Bit Numbers (e.g. 26 bit) |
| |

| Field Name(s) e.g. Facility Code | Value |
|----------------------------------|-------|
| | |
| | |
| | |
| | |

| YTÇ | Encoded Start Number | Encoded Stop Number | | |
|-----|-----------------------------|---------------------|--|--|
| | | | | |
| | Printed Start Number | Printed Stop Number | | |
| | | | | |

Special Instructions:

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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

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

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

⁴Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for detail.



Embeddable iCLASS SE Credentials

iCLASS SE Embeddable Card - 301

These embeddable cards offer heightened security for installations that do not contain standard iCLASS credentials.

This card is SIO only, it is not loaded with standard data payload and for this reason is not compatible with non iCLASS SE readers.

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

| Base Model | □ 3 | 01 Com | oosite 40 | 0% Polyes | ter / PVC | ** | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------|---------------------|-----------|-------------------------------------|--------------------|-------------------------------|---------|------------------------|
| iCLASS Memory Size and 0 - 2k Bits (256 Bytes) wi 3 - 32k Bits (4K Bytes) Ap 4 - 32k Bits (4K Bytes) Ap Secure Identity Object Pr P - Programmed with Sec V - Unprogrammed, for us | Allocation the 2 Application a | on (Check ation Areareas 16k/: areas 16k/ areas 16k/ | (One) as 2+16k/1 16+16k/1 (SIO) | 2.12 (5.4 c | 5" | | (Front Or | Contact rd Module | | |
| Front Packaging (Select of G - Plain White with Gloss ☐ C - Custom Artwork with Specify Custom Artwork I | Finish ² Gloss Finis | | | 0.033" (0.084 cm | | | 3.370' (8.57 cr | | • | SHARED CARD EDGE |
| Back Packaging (Select o G - Plain White with Gloss C - Custom Artwork with Specify Custom Artwork I 1 - Plain White with Gloss 3 - Custom Artwork with Specify Custom Artwork I | s Finish ² Gloss Finis Number ¹ Finish with Gloss Finis | h - n Magnetio | | pe - | | Note: 305 | (1/2" HICO/F | aging image may ligh Energy - | 4000 Oe | |
| Card Numbering³ (Select N - No External Card Num A - Sequential Matching II B - Sequential Internal/Se C - Random Internal/Non- | nbering nternal/Ext quential N | ternal (Las on-Matchi | ng Externa | al (Laser Eng | graved) | Y = iCLASS 12345 = Ca YYYYYYY | rd ID Num | - | umber | |
| Slot Punch ⁴ (Select one o N - No Slot Punch (Printer V - Vertical Slot Punch B - No Slot Punch - Horizo H - Horizontal Slot Punch | d location ontal Punc | | · | | | nd Horizont | tal slot pun | nch will rem | nain)⁵ | |
| Specify Artv | vork Numb | | | | | new Artw | ork) | | | |
| Enter your final card options Final Part Number | rrom the a | pove selec | ctions. Exa | mpie: 3014P | GGAN | | | - | (Op | tions #) |



iCLASS Card Programming Information

| Format Number (e.g. H10301) | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|--------------------------------|----------------------------------|-------|-----|-----------------------------|---------------------|
| Bit Numbers (e.g. 26 bit) | | | | Printed Start Number | Printed Stop Number |
| ICE Number | | | | | |

Special Instructions:

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

²Cards 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.

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

⁴Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

⁵The 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.



iCLASS SE + Prox Embeddable Card - 311

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

This card is SIO only, it is not loaded with standard data payload and for this reason is not compatible with non iCLASS SE readers.

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

| Base Model 311 Composite 40% Polyester / PVC | ** |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| iCLASS Memory Size and Allocation (Select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Secure Identity Object Programming (Select one option) 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 Optional Contact Smart Card Module (Front Only) Module not included 3.370" (8.57 cm) SHARED CARD |
| Front Packaging (Select one option) G - Plain White with Gloss Finish - Specify Custom Artwork Number¹ | Back Packaging |
| Back Packaging (Select one option) G - Plain White with Gloss Finish ² C - Custom Artwork with Gloss Finish - | Note: 305 credential image may vary Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) |
| 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 | Y 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY |
| 13.56 MHz iCLASS Card Numbering³ (Select one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Non-Matching Sequential External (Laser Engraved) | 12345 = Card ID Number YYYYYYYYY = Sales Order Number |
| Slot Punch⁴ (Select one option) ■ N - No Slot Punch (Printed location of vertical slot punch will remain) ■ V - Vertical Slot Punch | |
| 125 kHz Card Numbering³ (CSelect one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Non-Matching Sequential External (Laser Engraved) Option - Custom Artwork¹ | |

____ (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)





Enter your final card options from check boxes above. Example: 3114PGGNNN

| Final Part Number P - (Options |
|--------------------------------|
|--------------------------------|

QTY

QTY

iCLASS Card Programming Information

| Format Number (e.g. H10301) |
|--------------------------------|
| |
| Bit Numbers (e.g. 26 bit) |
| |
| ICE Number |
| |

| Field Name(s) e.g. Facility Code | Value |
|----------------------------------|-------|
| | |
| | |
| | |
| | |

| Encoded Start Number | Encoded Stop Number |
|-----------------------------|---------------------|
| Printed Start Number | Printed Stop Number |
| | |

125 kHz Card Programming Information

| Format Number (e.g. H10301) |
|--------------------------------|
| Bit Numbers (e.g. 26 bit) |
| |

| Field Name(s) e.g. Facility Code | Value |
|----------------------------------|-------|
| | |
| | |
| | |
| | |

| Encoded Start Number | Encoded Stop Number |
|-----------------------------|---------------------|
| | |
| Printed Start Number | Printed Stop Number |
| | |

Special Instructions:

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

²Cards 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.

⁴Cards 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 SE + Other HF Embeddable Card - 392

The SIO-Enabled iCLASS with MIFARE or MIFARE DESFire embeddable smart card offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects.

This card offers maximized compatibility with added security into installations that do not contain standard iCLASS or MIFARE/MIFARE DESFire credentials.

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

| Base Model | ☐ 392 Composite 40% Pol | yester / PVC* | * | |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------|------|
| O - 2k Bits (256 Bytes) wi (only available with MIFA 3 - 32k Bits (4K Bytes) A | ARE CLASSIC 1K) | 2.125" (5.4 cm) | Front Packaging Optional Contact Smart Card Module (Front Only) | |
| Card Programming (Selection R - iCLASS programmed 2nd Technology programmed P - iCLASS programmed | | 0.033" | Module not included 3.370" (8.57 cm) | |
| (HID MIFARE or custom e ■ K - iCLASS programmed 2 nd Technology programm or custom MIFARE Classie ■ A - iCLASS unprogramme | | (0.084 cm) | Back Packaging | EDGE |
| 2 nd Technology unprogram (HID MIFARE or custom e | ed for use with iCLASS SE Encoder, mmed for use with iCLASS SE encoder | | Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) IIII iCLASS 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY | |
| _ | nology (Select one option) ly available with iCLASS 2k bits) 8K Bytes | | 12345 = Card ID Number YYYYYYYYY = Sales Order Number | |
| Front Packaging (Select of G - Plain White with Gloss C - Custom Artwork with | • | Number ¹ | | |
| 1 - Plain White with Gloss | - | | work Number¹ | |



| iCLASS Card Numberi | ing³ (Sel | ect one | option |) | | | | | | | |
|-----------------------------------|-----------|----------------|------------|-------------|---------|---------------------------------------|-------------|------------|----------|----------|---------------|
| ■ N - No External Card | Numberir | ng | | | | | | | | | |
| 🗌 A - Sequential Matchi | ng Intern | al/Extern | nal (Lase | r Engrave | d) | | | | | | |
| ☐ B - Sequential Interna | al/Sequen | tial Non- | Matching | g Externa | l (Las | er Engraved) | | | | | |
| C - Random Internal/ | Non-Matc | hing Sec | quential E | External (| Laser | Engraved) | | | | | |
| | | | | | | | | | | | |
| Slot Punch | | | | | | | | | | | |
| IMPORTANT - Dual Hi | gh Frequ | uency c | redenti | als do no | ot all | ow a slot pu | nch due | to the ai | ntenna d | esign. U | se a badge |
| holder to attach this o | ard to a | lanyard | d or bad | lge clip. | | | | | | | |
| ■ N - No Slot Punch | | | | | | | | | | | |
| | | | | | | | | | | | |
| 2 nd High Frequency Te | chnolog | v Card | Numbe | rina³ (Ch | neck | One) | | | | | |
| ■ N - No External Card | | | | 9 (0. | | · · · · · · · · · · · · · · · · · · · | | | | | |
| ■ A - Sequential Matchi | | | nal (Lase | r Engrave | d) | | | | | | |
| ☐ B - Sequential Interna | _ | | | _ | | er Engraved) | | | | | |
| ☐ W - UID (CSN) HEX n | | | | | | og.a.oa, | | | | | |
| X - UID (CSN) Decima | | - | _ | - | | D 4 | | | | | |
| | ai number | ing only | (Eligrave | ea). 7 byt | es Oii | | | | | | |
| O | 1 | | | | | | | | | | |
| Option - Custom Artw | | یده ما مصریا ۸ | Dofort | o +b o Culo | | uturadi Farmi | for pour / | الماسمين | | | |
| (Specify | Artwork | Number - | - Reier to | o the Cusi | LOIII A | Artwork Forms | s for new A | (rtwork) | | | |
| | | | | | | | | | | | |
| Enter your final card opti | ons from | check bo | oxes abo | ve. Examp | ole: 39 | 924PNGGANN | | | | | |
| Final Part Number | 392 | | | | | | | N | | - | (Options #) |
| | | | | | | | | | | | |
| iCLASS Programmin | a Inform | mation | | | | | | | | | |
| TOE, (SO I TOGICATION) | | | | | | | | | | | |
| Format Number | Field | Name(s |) | Valu | e | QTY | Enco | ded Start | Number | Encode | d Stop Number |
| (e.g. H10301) | | acility C | | | | | | | | | · |
| | | | | | | | | | | | |
| Bit Numbers | | | | | | | Printe | ed Start N | lumber | Printed | Stop Number |
| (e.g. 26 bit) | | | | | | 1 | | | | | • |
| | | | | | | - | | | | | |
| ICE Number | | | | | | | | | | | |
| ICE Hallibel | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 2 nd 13.56 MHz Progra | amming | Inform | ation | | | | | | | | |
| | | | | | | 1 | 1 | | | 1 | |
| Format Number | | Name(s | | Valu | е | QTY | Enco | ded Start | Number | Encode | d Stop Number |
| (e.g. H10301) | e.g. F | acility C | ode | | | | | | | | |
| | | | | | | | | | | | |
| Bit Numbers | | | | | | _ | Printe | ed Start N | lumber | Printed | Stop Number |
| (e.g. 26 bit) | | | | | | _ | | | | | |
| | | | | | | | | | | | |
| ICE Number | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Special Instructions: | | | | | | - | | | | | |



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

²Cards 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.

³The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for the second technology on the back of the card.

⁴MIFARE Classic UID length is by default 4 bytes, 7 bytes for MIFARE DESFire EV1.

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

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iCLASS SE + Other 13.56MHz + Prox Embeddable Card - 397

The SIO-enabled card with MIFARE or MIFARE DESFire embeddable smart card as well as HID Proximity offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects.

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

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

| Base Model | ☐ 397 Composite 40% Pol | yester / PVC | * | |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------|
| iCLASS Memory Size | e and Allocation (Select one option) | | | |
| ☐ 0 - 2k Bits (256 Byt | es) with 2 Application Areas MIFARE CLASSIC 1K) | 1 | Front Packaging | |
| | res) Application areas 16k/2+16k/1 | 2.125" | Optional Contact Smart Card Module | |
| | | (5.4 cm) | [[[]] (Front Only) | |
| | gy Card Programming (Select one option | on) | Module not included | |
| | nmed with Secure Identity Object (SIO), grammed with Secure Identity Object (SIO). | <u> </u> | 3.370" | <u> </u> |
| | nmed with Secure Identity Object (SIO), rogrammed for use with iCLASS SE encoder stom encoding). | 0.033" (0.084 cm) | (8.57 cm) | SHARED CARD EDGE |
| , - | rammed for use with iCLASS SE Encoder, grammed with Secure Identity Object (SIO). | I | | <u> </u> |
| 2 nd Technology unp | rammed for use with iCLASS SE Encoder, rogrammed for use with iCLASS SE encoder r custom encoding). | | Back Packaging | |
| _ | (13.56 MHz) Technology (Select one op es (only available with iCLASS 2k bits) es | tion) | Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) IIID ICLASS 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY | |
| K - MIFARE DESFire | e EV1 8K Bytes | | 125 KHz# <i>iCLASS</i> # | |
| | Card Programming (Select one option) rammed 125 kHz Technology. ng Information. |) | 12345 = Card ID Number | |
| ☐ C - "Indala/Casi Pro Specify Programmin | x" Programmed 125 kHz Technology. ng Information. | | YYYYYYYYY = Sales Order Number | |
| N - Initialized 125 kl Programming Inform | Hz Technology. mation Not Required. | | | |
| Front Packaging (Se | | | | |
| _ | with Gloss Finish - Specify Custom Artwork | Number ¹ | | |
| Back Packaging (Sel | | | | |
| C - Custom Artwork | with Gloss Finish - Specify Custom Artwork | Number ¹ | | |
| _ | Gloss Finish with Magnetic Stripe ² | | | |
| 3 - Custom Artwork | with Gloss Finish with Magnetic Stripe - Spe | cify Custom Arty | work Number¹ | |



| iCLASS Card Number | • | | option) | | | | | | | | | |
|-----------------------------------|-----------|------------|------------|------------|---------------------|------------|-------|---------|-----------|----------|----------|---------------|
| ■ N - No External Card | Number | ing | | | | | | | | | | |
| ☐ A - Sequential Match | ing Inter | nal/Exterr | nal (Laser | Engrave | (b | | | | | | | |
| ☐ B - Sequential Interna | al/Seque | ntial Non- | Matching | External | (Laser | Engraved | 1) | | | | | |
| C - Random Internal/ | 'Non-Mat | ching Sec | quential E | xternal (L | .aser Ei | ngraved) | | | | | | |
| Slot Punch | | | | | | | | | | | | |
| IMPORTANT - Dual Hi | igh Fred | quency c | redentia | ils do no | t allov | v a slot p | ounc | h due t | to the a | ntenna d | esign. U | se a badge |
| holder to attach this | card to | a lanyaro | d or bad | ge clip. | | | | | | | | |
| X N - No Slot Punch | | | | | | | | | | | | |
| 2 nd High Frequency Te | chnolo | gy Card | Number | ing³ (Se | lect or | ne optio | n) | | | | | |
| ■ N - No External Card | Number | ing | | | | | | | | | | |
| 🗌 A - Sequential Match | ing Inter | nal/Exterr | nal (Laser | Engraved | d) | | | | | | | |
| ☐ B - Sequential Interna | al/Seque | ntial Non- | Matching | External | (Laser | Engraved | l) | | | | | |
| C - Random Internal/ | 'Non-Mat | ching Sec | quential E | xternal (L | aser E | ngraved) | | | | | | |
| ☐ W - UID (CSN) HEX r | numberir | g only (E | ngraved): | 7 bytes U | JID ⁴ | | | | | | | |
| X - UID (CSN) Decim | al numbe | ering only | (Engrave | d): 7 byte | es UID ⁴ | | | | | | | |
| | | | | | | | | | | | | |
| 125 kHz Card Number | ing³ (Se | elect one | option |) | | | | | | | | |
| ■ N - No External Card | Number | ing | | | | | | | | | | |
| ☐ A - Sequential Match | ing Inter | nal/Exterr | nal (Laser | Engraved | d) | | | | | | | |
| ☐ B - Sequential Interna | al/Seque | ntial Non- | Matching | External | (Laser | Engraved | 1) | | | | | |
| C - Random Internal/ | Non-Mat | ching Sec | quential E | xternal (L | .aser Ei | ngraved) | | | | | | |
| | | | | | | | | | | | | |
| Option - Custom Artw | ork¹ | | | | | | | | | | | |
| | | Number | - Refer to | the Cust | om Art | work Forr | ns fo | r new A | rtwork) | | | |
| | | | | | | | | | | | | |
| Enter your final card opt | ions fron | n check bo | oxes abov | e. Examp | le: 3974 | 4PNPGGN | INNA | | | | | |
| | | | | | | | | | | | | |
| Final Part Number | | | | | | | | | N | | - | (Options #) |
| | | | | | | | | | | | | |
| iCLASS Programmir | ng Infoi | mation | | | | | | | | | | |
| Format Number | Fiel | d Name(s |) | Value | a | QTY | | Fncoc | ded Start | Number | Encode | d Stop Number |
| (e.g. H10301) | | Facility C | | Value | | . | | | | | | a otop mannet |
| | | | | | | | | | | | | |
| Bit Numbers | | | | | | | | Printe | d Start N | lumber | Printed | Stop Number |
| (e.g. 26 bit) | | | | | | | | | | | | |
| | | | | | | | | | | | 1 | |
| ICE Number | 1 🗀 | | | I | | | | | | | | |
| | 1 | | | | | | | | | | | |
| | _ | | | | | | | | | | | |

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2nd 13.56 MHz Programming Information

| Format Number (e.g. H10301) | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|--------------------------------|----------------------------------|-------|-----|-----------------------------|---------------------|
| Bit Numbers | | | | Printed Start Number | Printed Stop Number |
| (e.g. 26 bit) | | | | | |
| ICE Number | | I | J | | |
| | | | | | |

125 kHz Programming Information

| Format Number (e.g. H10301) | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Numbe |
|------------------------------|-------------------------------------|-------|-----|-----------------------------|---------------------|
| Bit Numbers (e.g. 26 bit) | | | | Printed Start Number | Printed Stop Number |
| ICE Number | | | | | |

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

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²Cards 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.

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

 $^{^4\}text{MIFARE}$ Classic UID length is by default 4 bytes, 7 bytes for MIFARE DESFire EV1.

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

(Options #)



Embeddable iCLASS Credentials

iCLASS Embeddable Card - 211

iCLASS cards can be ordered either with both SIO and iCLASS programming or iCLASS programming only.

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

| Base Model | ☑ 211 Composite 40% Pol | yester / PVC* | | |
|---------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------|------------------------|
| | and Allocation (Select one option) | | | |
| | s) with 2 Application Areas | | | |
| 3 - 32k Bits (4K Bytes | s) Application areas 16k/2+16k/1 | | Front Packaging | |
| ☐ 4 - 32k Bits (4K Byte: | s) Application areas 16k/16+16k/1 | Optional Contact Smart Chip Module | Contact chip | |
| Programming (Select | one option) | (Front Only) | not included | |
| ☐ HP - Programmed w | ith Security Identity Object (SIO) and less Control Application (Recommended) ¹ | | | |
| C - Configured, Non-l Programming Inform | - | | 3.370" (8.57 cm) | <u> </u> |
| P - Programmed iCLA | ASS. Specify Programming Information | 0.033" (0.084 cm) | | SHAREI CARD EDGE |
| Front Packaging (Sele | ect one ontion) | | \ | |
| G - Plain White with | | 1 | | |
| C - Custom Artwork/ | Contact Module with Gloss Finish – vork/Contact Module Number¹ | | Back Packaging | |
| | | 2.125" | | |
| Back Packaging (Sele | ct one option) | (5.4 cm) | | |
| G - Plain White with (| - | | Optional Magnetic Stripe | |
| C - Custom Artwork | with Gloss Finish - | | (1/2" HICO/High Energy - 4000 Oe) | |
| Specify Custom Artw | | <u>*</u> | iCLASS 12345 YYYYYYYYYYYY | |
| ☐ 1 - Plain White with G | Bloss Finish with Magnetic Stripe ² | | | |
| 3 - Custom Artwork v | with Gloss Finish with Magnetic Stripe - | | 12345 = Card ID Number | |
| Specify Custom Artw | | | YYYYYYYYY = Sales Order Number | |
| Card Numbering ³ (Sel | lect one option) | | | |
| ■ N - No External Card | Numbering | | | |
| A - Sequential Match | ing Internal/External (Engraved) | | | |
| ☐ B - Sequential Interna | al/Sequential Non-Matching External (Lase | er Engraved) | | |
| C - Random Internal/ | Non-Matching Sequential External (Laser | Engraved) | | |
| H - Horizontal Slot Pu | rinted location of vertical slot punch will re | | ndicators | |
| Option - Custom Artw | | rtwork Forms for | new Artwork) | |

Enter your final card options from check boxes above. Example: 2111CGGNN

211

Final Part Number



Special Instructions:_

iCLASS Card Programming Information

| Format Number (e.g. H10301) | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|--------------------------------|----------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| Bit Numbers | | | | Printed Start Number | Printed Stop Number |
| (e.g. 26 bit) | | | 1 | | |
| | | |] | | |
| PIN: Sequential: Start | # Random: L | enath | _ | | |

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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

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

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

⁴Cards are provided with an optional vertical slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

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



iCLASS + Prox Embeddable Card - 213

iCLASS + Prox cards can be ordered either with both SIO and iCLASS programming or iCLASS programming only, a composite fee applies to this card.

| Base Model ☑ 213 Composite 40% Poly | yester / PVC* | * | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---|----------------------------------------------|-----------------|------------------------|
| iCLASS Memory Size and Allocation (Select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 | Optional Contact Smart Chip Module (Front Only) | F | ront Packagi Contact chip not included | 0 | |
| Programming (Select one option) ☐ HP - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 25 kHz Unprogrammed ⁵ ☐ HB - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 125 kHz programmed with HID Prox or Indala format. | 0.033" (0.084 cm) | | 3.370" (8.57 cm) | | SHAREI CARD EDGE |
| P - Programmed with standard iCLASS access control application 125 kHz HID Prox unprogrammed for use with iCLASS SE Encode B - 125 kHz Programmed with HID Prox or Indala format, iCLASS programmed with standard access control application. C - iCLASS Unprogrammed, for use with iCLASS SE Encoder, HID Prox unprogrammed for use with iCLASS SE Encoder A - iCLASS Unprogrammed, for use with iCLASS SE Encoder, 125 kHz programmed with HID Prox or Indala format. M - iCLASS Programmed, HITAG2 blank. I - iCLASS configured field programmable, HITAG2 blank. | er. | | 3ack Packagii (1/2" HICO/High E 12345 1234 | nergy - 4000 Oo | |
| Front Packaging (Select one option) G - Plain White with Gloss Finish C - Custom Artwork/Contact Module with Gloss Finish - Specify Custom Artwork/Contact Module Number¹ Back Packaging (Select one option) G - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish - Specify Custom Artwork 1 - Plain White with Gloss Finish with Magnetic Stripe² | k Number¹ | | rd ID Number -YY = Sales O | | er |
| 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ iCLASS Card Numbering³ (Select one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Internal/Sequential Non-Matching External (Laser C - Random Internal/Non-Matching Sequential External (Laser Engraved) Slot Punch⁴ N - No Slot Punch. (Printed location of vertical slot punch will rendered) V - Vertical Slot Punch | ingraved) | | | | |



| 125 kHz Card Number | | | | | | | | | |
|---------------------------------|-------------|-----------------|-------------------|------------|--------|------------|--------------|-------------|-------------|
| N - No External Card | | | | | | | | | |
| A - Sequential Match | - | | _ | | | | | | |
| ☐ B - Sequential Interna | al/Sequent | ial Non-Matchin | g External (Laser | Engraved) |) | | | | |
| C - Random Internal/ | Non-Match | ning Sequential | External (Laser E | ngraved) | | | | | |
| | | | | | | | | | |
| Option - Custom Artw | | | | | | | | | |
| [Specify | Artwork N | umber - Refer t | o the Custom Ar | :work Form | ns for | r new Artw | ork) | | |
| | | | | | | | | | |
| Enter your final card opti | ions from c | heck boxes abo | ve. Example: 213 | 3CGGNNN | | | | | |
| Final Part Number | 213 | | | | | | | - | (Options #) |
| | | | • | | | | | | • |
| iCLASS Programmir | ng Inform | nation | | | | | | | |
| | | | | | | | | | |
| Format Number | | Name(s) | Value | QTY | | Encoded | Start Number | Encoded S | top Number |
| (e.g. H10301) | e.g. Fa | cility Code | | | | | | | |
| | | | | | | | | | |
| Bit Numbers | | | | | | Printed S | tart Number | Printed Sto | p Number |
| (e.g. 26 bit) | | | | | | | | | |
| | | | | | | | | | |
| PIN: Sequential: Star | t# | 🗌 Random | n: Length | | | | | | |
| | | | | | | | | | |
| 125 kHz Programmir | ng Inform | nation | | | | | | | |
| | | | | | | | | | |
| Format Number | | Name(s) | Value | QTY | | Encoded | Start Number | Encoded S | top Number |
| (e.g. H10301) | e.g. Fa | cility Code | | | | | | | |
| | | | | | | | | | _ |
| Bit Numbers | | | | | | Printed S | tart Number | Printed Sto | p Number |
| (e.g. 26 bit) | | | | | | | | | |
| | | | | | | | | | |
| Special Instructions: | | | | | | | | | |

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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

²Cards 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.

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

⁴Cards are provided with an optional vertical slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

⁵Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2130PGGNNN.

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



iCLASS + Other HF Embeddable Card - 243

The iCLASS with MIFARE or MIFARE DESFire embeddable 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.

| Base Model | | olyester / PVC | 2* | |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------|
| | | with MIFARE CI | LASSIC 1K) | |
| | , , , , , , , , , , , , , , , , , , , , | † | Front Packaging |) |
| and iCLASS standard access | h Security Identity Object (SIO) | 2.125" (5.4 cm) | Optional Contact Smart Card Module (Front Only) | |
| | | | Module not included | |
| ■ B - iCLASS programmed wit control application, 2 nd Tech HID MIFARE (MIFARE Classi | | 0.033" (0.084 cm) | 3.370" (8.57 cm) | SHAREI CARD EDGE |
| ☐ P - iCLASS programmed wit control application, 2 nd Tech | | (6.66) (6.11) | | \searrow |
| C - Unprogrammed iCLASS, Non-programmed 2 nd Techn | for use with iCLASS SE Encoder, ology. | | Back Packaging | |
| ■ A - iCLASS unprogrammed, 2nd Technology programmed (MIFARE Classic) or custom | | | Note: Illustrated marking is for DESFire cards. MIFARE Classic cards indicate MIFARE | |
| 2 nd High Frequency Technol | ogy (Select one option) (only available with iCLASS 2k bit | rs) | Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) IIID ICLASS 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY | |
| ■ N - MIFARE 4K Bytes | | | 125 KHz# <i>iCLASS</i> # | |
| ☐ K - MIFARE DESFire EV1 8K | Bytes | | | |
| Front Packaging (Select on | inish | | | |
| C - Custom Artwork with Glo | oss Finish - Specify Custom Artwor | k Number¹ | | |
| Back Packaging (Select one G - Plain White with Gloss F | · · · · · · · · · · · · · · · · · | | | |
| C - Custom Artwork with Gl | oss Finish - Specify Custom Artwor | k Number¹ | | |
| 1 - Plain White with Gloss Fin | nish with Magnetic Stripe² | | | |
| 3 - Custom Artwork with Glo Specify Custom Artwork Nu | oss Finish with Magnetic Stripe - mber¹ | | | |
| iCLASS Card Numbering ³ (S | | | | |
| N - No External Card Number | | | | |
| | ernal/External (Laser Engraved) | or Engraved | | |
| _ | ential Non-Matching External (Lase atching Sequential External (Laser | | | |
| ☐ C - Kandom mternal/Non-M | atening sequential External (Laser) | Engraved) | | |



Slot Punch

| M - No Slot Punch. | g a bad | lge hold | der to a | attach | this card | d to a l | anyard | d or badg | e clip. | | | |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------|------------------------|---------|-------------------------|----------|--------|-----------|------------|-----------|------------|-------------|
| 2 nd High Frequency Ted N - No External Card N A - Sequential Matchin B - Sequential Interna C - Random Internal/N | Numberi ng Interr I/Sequer | ing nal/Exte ntial Nor | ernal (Las n-Matchi | ser Eng | graved) ternal (Lase | er Eng | raved) | | | | | |
| Option - Custom Artwo | Artwork | | | | | | | for new A | rtwork) | | | |
| | 43 | | | | Example: 2 | 245411 | | | N | | - | (Options #) |
| iCLASS Programmin | | | | | Value | | FV. | Frank | ad Chaub I | Ni maka w | Fundad | Stan Number |
| (e.g. H10301) | | d Name(Facility | • • | | Value | Q | ΓY | Encod | ed Start I | Number | Encoded | Stop Number |
| Bit Numbers (e.g. 26 bit) | | | | | | | | Printe | d Start Ni | umber | Printed St | op Number |
| ICE Number | | | | | | | | | | | | |
| PIN: Sequential: Starts | # | | Rando | m: Lei | ngth | | | | | | | |
| 2 nd 13.56 MHz Progra | mming | g Inforr | mation | 1 | | | | | | | | |
| Format Number | Field | d Name(| (s) | | Value | Q | ΓY | Encod | ed Start I | Number | Encoded S | Stop Number |

IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design.

Special Instructions:

(e.g. H10301)

Bit Numbers (e.g. 26 bit)

e.g. Facility Code

Printed Start Number

Printed Stop Number

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

²Cards 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.

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

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



iCLASS + Other 13.56 MHz + Prox Embeddable Card - 263

The iCLASS + Prox with MIFARE or MIFARE DESFire embeddable smart card offers multiple High & Low 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.

| Base Model M 263 Composite 40% Pol | yester / PVC | <i></i> | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------|------------------------|
| iCLASS Memory Size and Allocation (Select one option) O - 2k Bits (256 Bytes) with 2 Application Areas (only available v | with MIFARE C | LASSIC 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 (Select one option) J - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology programmed with Security Identity Object (SIO). | 2.125" (5.4 cm) | Front Packaging Optional Contact Smart Card Module (Front Only) | |
| | <u> </u> | Module not included | <u></u> |
| K - iCLASS programmed with Secure Identity Object (SIO) and iCLASS standard access control application, ^{2nd} Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESfire). | 0.033" (0.084 cm) | 3.370" | SHAREI CARD EDGE |
| ■ B - iCLASS programmed with iCLASS standard access control application, 2 nd Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESfire). | | Back Packaging | <u>′</u> |
| □ P - iCLASS programmed with iCLASS standard access control application, 2 nd Technology unprogrammed. | | Note: Illustrated marking is for DESFire cards. MIFARE Classic cards indicate MIFARE | |
| $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | | Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) | |
| | | 125 KHz# <i>iCLASS</i> # | |
| 2 nd High Frequency Technology (Select one option) ☐ M - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits) | | | |
| ■ N - MIFARE 4K Bytes | | | |
| | | | |
| 3rd Low Frequency Technology (Select one option) P - Programmed with HID Prox or Indala format C - Programmed with Indala CX (Casi Prox) N - Unprogrammed HID Prox, for use with iCLASS SE Encoder | | | |
| Front Packaging (Select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork | Number ¹ | | |
| | | | |



| PIN: Sequential: S | Start# _ | | | Randon | n: Le | ngth | | | | | | | | | |
|--------------------------------------------------------|----------|----------|---------------------|-----------|-------|--------------|------|--------|-----------------|-----|--------|---------|-----------------|-------------|-------------|
| ICE Number | | | | | | | | | | | | | | | |
| Bit Numbers (e.g. 26 bit) | | | | | | | | | | | Print | ed Stai | rt Number | Printed St | op Number |
| | | | | | | | | | | | Dulent | ad C+- | ut Muusala au | Drinte d Ct | on Number |
| Format Number (e.g. H10301) | | | Name(s acility C | | | Value | | QTY | (| | Enco | ded St | art Number | Encoded S | Stop Number |
| iCLASS 13.56 MH | z Prog | gramn | ning In | ıforma | tion | | | | | | | | | | |
| | | | <u>'</u> | | | | _ | | | _ | | | | | |
| Final Part Number | 263 | | | | F | • | | | | T | N | | | - | (Options #) |
| Enter your final card | options | s from t | he abov | e select | ions. | Example: 2 | 263 | 4JNF | GGAN | 11 | ٧ | | | | |
| Option - Custom A | | | lumber - | - Refer t | o the | Custom A | rtv | vork F | orms f | or | new A | Artworl | k) | | |
| Outline Contains | | ı_1 | | | | | | | | | | | | | |
| C - Random Inter | | | | | | | | | | | | | | | |
| ■ A - Sequential Ma ■ B - Sequential Int | | | | | | | er E | Engra | ved) | | | | | | |
| N - No External C | | | |) (Lace | r En | arayod) | | | | | | | | | |
| 3 rd High Frequency | | | | Numbe | ring | Select | one | e opt | ion) | | | | | | |
| C - Random Inter | nal/Noi | n-Match | ning Sec | quential | Exte | 'nal(Laser I | Eng | graved | d) | | | | | | |
| B - Sequential Int | - | • | | | - | | | - | - | | | | | | |
| 🗌 A - Sequential Ma | tching | Interna | l/Exterr | nal (Lase | er En | graved) | | | | | | | | | |
| 2nd High Frequency N - No External C | | | | Numbe | ring | ³ (Select | on | e opt | tion) | | | | | | |
| N - No Slot Punch | ۱. | | | | | | | | | | | | | | |
| HID recommends | | a badg | e hold | er to at | tach | this card | to | a la | nyard | OI | r bad | ge clip |) . | | |
| IMPORTANT: Dual | _ | - | - | | | | | | - | | | | | sign. | |
| Slot Punch | | | | | | | | | | | | | | | |
| C - Random Inter | nal/No | n-Matcł | ning Sec | quential | Exte | nal (Laser | En | grave | d) | | | | | | |
| ☐ B - Sequential Int | ernal/S | equent | ial Non- | Matchin | g Ex | ternal (Lase | er E | Engra | ved) | | | | | | |
| 🗌 A - Sequential Ma | tching | Interna | l/Exterr | nal (Lase | er En | graved) | | | | | | | | | |
| ■ N - No External C | _ | | | Option | ', | | | | | | | | | | |
| iCLASS Card Num | herina | ع (حماء | oct one | ontion | .) | | | | | | | | | | |
| 3 - Custom Artwo | ork with | Gloss | Finish w | ith Mag | netic | Stripe - Sp | ec | ify Cu | ıstom A | ٩rt | work | Numbe | er ¹ | | |
| 🔲 1 - Plain White wi | th Glos | s Finish | with Ma | agnetic | Strip | e² | | | | | | | | | |
| C - Custom Artwo | ork with | n Gloss | Finish - | Specify | Cust | om Artwoi | rk N | Numb | er ¹ | | | | | | |
| G - Plain White w | | _ | | | | | | | | | | | | | |
| Back Packaging (S | elect | one op | otion) | | | | | | | | | | | | |



2nd 13.56 MHz Programming Information

| Format Number (e.g. H10301) | | Field Name(s) e.g. Facility Code | Value | QTY | | Encoded Start Number | Encoded Stop Number |
|--------------------------------|--|-------------------------------------|-------|-----|---|----------------------|---------------------|
| Bit Numbers | | | | | , | Printed Start Number | Printed Stop Number |
| (e.g. 26 bit) | | | | | | Filited Start Humber | Frinted Stop Number |
| | | | | | | | |

QTY

Special Instructions:

125 kHz Card Programming Information

| Format Number (e.g. H10301) | Field N e.g. Fac |
|--------------------------------|---------------------|
| Bit Numbers (e.g. 26 bit) | |
| | |

| Field Name(s) e.g. Facility Code | Value |
|-------------------------------------|-------|
| | |
| | |
| | |
| | |

| | Encoded Start Number | Encoded Stop Number |
|--|-----------------------------|----------------------------|
| | | |
| | Printed Start Number | Printed Stop Number |
| | | |

Special Instructions:

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 $^{^{1}\}text{For new artwork files}$, contact Customer Service for custom artwork number, lead times and cost.

²Cards 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. 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 MIFARE while it is in the bottom center for 125 kHz Proximity on the back of the card.

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



Embeddable HID Proximity Credentials

Smart ISOProx® II Card - 1597

| Base Model | [| ▼ 1597 Compo | site 40% P | olyester / PV | C* | | | |
|------------------------------------------|--------------|---------------------|-----------------|------------------------------|------------|--------------------|---------------|-------------------|
| Programming (Select | t one optic | on) | | | | | | _ |
| L - Programmed, Lo | | | | Reserved for | | Front Pack | aging | |
| Specify Programmin | - | | | Contact Smart Chip Module | J | Contact o | :hip | |
| N - Non-Programme Programming Inform | | | | (Embed on Front Only) | | not includ | | |
| Front Packaging (Sel | | | | | | | | |
| ☐ G - Plain White with | | | | | | | | |
| C - Custom Artwork Specify Custom Arty | | | | 1 | 4 | 3.370" (8.57 cm |) | → 1 |
| Specify Custom Arti | WOLK INGLIER | 2 1 | | 0.033" | <u></u> | | | SHARED CARD |
| Book Bookswing (Sale | | tion) | | (0.084 cm) | | | | EDGE |
| Back Packaging (Selo G - Plain White PVC | | | | - I | | | | \longrightarrow |
| C - Custom Artwork | | | | Ť | | | | |
| Specify Custom Arty | | | | | | | | |
| _ | | | | 2.125" (5.4 cm) | | Back Packa | aging | |
| Card Numbering ³ (Se | | - | | (5.4 CIII) | | | | • |
| ■ N - No External Card | | | | | | | | |
| ☐ A - Sequential Match | | | | | HID | 1 | 2345 YYYYYYYY | -YY) |
| ■ B - Sequential Intern | | | | | | | | |
| C - Random Internal | /Non-Match | ing Sequential Ex | ternal (Engrav | red) | | | | |
| | | | | | 12345 = | Card ID Numb | er | |
| Slot Punch⁴ | | | | | YYYYY | YYY-YY = Sales | order Num | ber |
| ■ N - No Slot Punch (F | | ion of vertical slo | t punch will re | main) | | | | |
| ☐ V - Vertical Slot Pun | ch | | | | | | | |
| | | | | | | | | |
| Option - Custom Arty | | | | | | 1.5 | | |
| [Specify | y Artwork N | umber - Refer to | the Custom Ar | twork Forms for | r new Artw | ork) | | |
| | | | | | | | | |
| Enter your final card opt | tions from c | heck boxes above | e. Example: 159 | 7LGGAN | | | | |
| Final Part Number | 1597 | | | | | | - | (Options #) |
| | | | | | | | | |
| 125 kHz Card Progra | amming I | nformation | | | | | | |
| Format Number | | Name(s) | Value | QTY | Encoded | Start Number | Encoded S | top Number |
| (e.g. H10301) | e.g. Fa | cility Code | | | | | | |
| | | | | | | | | |
| Bit Numbers | | | | | Printed S | tart Number | Printed Sto | p Number |
| (e.g. 26 bit) | | | | | | | | |
| | | | | | | | | |
| Special Instructions: | | | | | | | | |



For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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

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²Cards 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.

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

⁴Cards are provided with an optional vertical slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.

^{*}The composite construction is recommended for all cards that will have an over-laminate applied.



Smart DuoProx® II Card - 1598

smart chip module.

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

| Base Model | | | omposite | e 40% P | olyester / PV | C* | | | | | | |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|-------------|-----------------------------------------------------------|----------------------------|---------------------------------------|--------------------|------------------------|--|--|--|
| Programming (Select | one opt | ion) | | | | | | | | | | |
| L - Programmed, Los Specify Programming | | , , | | | | | | | | | | |
| N - Non-Programmed Programming Inform | | | kHz). | | Reserved for Contact Smart Chip Module (Embed on | | ont Packa Contact ch ot include | nip | | | | |
| Front Packaging (Selo | | | | | Front Only) | | | | | | | |
| C - Custom Artwork Specify Custom Artw | | | | | | 3.370" (8.57 cm) | | | | | | |
| Back Packaging (Sele | | | | | 0.033" (0.084 cm) | | | | SHARED CARD EDGE | | | |
| C - Custom Artwork Specify Custom Artw | | | | | 1 | | | | | | | |
| Card Numbering³ (Select one option) N - No External Card Numbering Back Packaging (5.4 cm) | | | | | | | | | | | | |
| <u> </u> | A - Sequential Matching Internal/External (Engraved) B - Sequential Internal/Sequential Non-Matching External (Engraved) Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) | | | | | | | | | | | |
| C - Random Internal/ | 'Non-Mato | ching Sequen | tial Extern | al (Engrav | ved) | | <u> </u> | | | | | |
| Slot Punch ⁴ (Select of N - No Slot Punch (P V - Vertical Slot Punch | rinted loc | | cal slot pur | nch will re | emain) | 12345 = Card YYYYYYYY-Y | | er Order Number | | | | |
| Option - Custom Artw | | Number - Ref | er to the C | Custom A | rtwork Forms for | new Artwork) | | | | | | |
| Enter your final card opt | | check boxes | above. Exa | ample: 159 | 98LGGAN | | | | | | | |
| Final Part Number | 1598 | | | | | | - | (Optional A | twork #) | | | |
| 125 kHz Card Progra | amming | Informatio | n | | | | | | | | | |
| Format Number (e.g. H10301) | | Name(s) Facility Code | V | alue | QTY | Encoded Start | Number | Encoded Stop | Number | | | |
| Bit Numbers (e.g. 26 bit) | | | | | | Printed Start N | lumber | Printed Stop N | umber | | | |
| Special Instructions: | | | | | | | | | | | | |
| For Contact Smart Chip | selection | , contact you | r Regional | l Sales Re | presentative. St | andard configur | ration doe | es not include a c | contact | | | |

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

²Cards 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.

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

⁴Cards are provided with an optional vertical slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.

*The composite construction is recommended for all cards that will have an over-laminate applied.

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Embeddable MIFARE Classic and MIFARE DESFire Credentials

MIFARE Embeddable Card - 345 / 1436 / 1446

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. All MIFARE Classic cards can be ordered with or without SIO encoding.

Use of a 1430, 1440, 1436, or 1446 for SIO encoding using the CP1000 will consume a chargeable credit.

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

| MIFARE Classic cards with SIO en (Recommended) | ncoding | OR | MIFARE CI | | ls <u>without</u> e 40% Polye | | _ | | |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------|-----------------------------------------------------------------------------|-------------|----------------------------------|----------------------------------------------------|--------------|-------------|--|
| 3450 (1K) Composite 40% Polyest | er / PVC* | | | | - | | | | |
| 3456 (4K) Composite Polyester 4 | 0% / PVC* | | ☐ 1446 (4K) Composite Polyester 40% / PVC* Programming (Select one option) | | | | | | |
| Programming* (Select one option | • | | _ | | D MIFARE6 | | trol applica | ation | |
| ☐ P - Programmed with Security Ide for MIFARE Classic | | | ■ N - Unpr | | MIFARE Cla | | | | |
| | | | S - Custo | , 0 | nmed MIFAR | RE Classic, r | equires cus | stom | |
| *A marker is placed in sector 6 and will r | not be available for other | data | | | | | | | |
| Front Packaging (Select one opt If Custom Artwork is desired, specify E - Contact Module Embeddable F | Custom Artwork Number | | 2.125" (5.4 cm) | | Smart C | ckaging al Contact Card Modul or Back sid | | | |
| Back Packaging (Select one opti ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish w | · | | | Co | ntact chip | not includ | ed | | |
| C - Custom Artwork with Gloss Fin Specify Custom Artwork Number ¹ | ,2 | | | - | 3.37 (8.57 | | | SHARED CARD | |
| 3 - Custom Artwork with Gloss Fin Magnetic Stripe Specify Custom A | | | 0.033" 0.084 cm) | | | | | EDGE | |
| Card Numbering³ (Select one op Z - Reversed UID (CSN) Decimal of N - No External Card Numbering A - Sequential Matching Internal/E | ard numbering only (La External (Laser Engrave | d) ⁴ | | | Back Pa | ckaging | | | |
| ■ B - Sequential Internal/Sequential ■ C - Random Internal/Non-Matchin | | | | Magnetic S | stripe 1/2" HICC |)/High Energy | - 4000 Oe | | |
| C Random Internal, Non Material | g sequential External (i | Laser L | ingravea) | HID | | 12345 YYYY | ryyyy-yy | | |
| Slot Punch⁵ (Select one option) ☐ N - No Slot Punch (Printed locatio ☐ V - Vertical Slot Punch | n of vertical slot punch | will rer | main) | | - Card ID Nu YYY-YY = Sa | | Number | | |
| Option - Custom Artwork ¹ (Specify Artwork Nur | nber - Refer to the Cust | tom Art | twork Forms | for new Art | work) | | | | |
| Enter your final card options from che | eck boxes above. Examp | ole: 143 | ONEGNN | | T | | | | |
| Final Part Number | E | | | | | - | (Optio | ons #) | |

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13.56 MHz Card Programming Information

| Format Number (e.g. H10301) | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|--------------------------------|----------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | |
| Bit Numbers | | | | Printed Start Number | Printed Stop Number |
| (e.g. 26 bit) | | | | | |
| | | | | | |

Special Instructions:

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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

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

³The external card number is placed in the bottom right-hand corner on the back of the card on Prox Format Programming only. Permanent Unique MIFARE 32 Bit serial # cannot be printed on cards.

⁴When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).

⁵Cards 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.

⁶Includes a permanent Unique MIFARE 32 Bit Serial number.

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



MIFARE + Prox Embeddable Card - 355 / 1437 / 1447

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. All MIFARE Classic + Prox cards can be ordered with or without SIO encoding. Use of a 1431, 1441, 1437, or 1447 for SIO encoding using the CP1000 will consume a chargeable credit.

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

| MIFARE Classic + Prox card OR | MIFARE Classic + Prox card |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| with SIO encoding (Recommended) | without SIO encoding |
| 3550 (1K) Composite 40% Polyester / PVC* | 1437 (1K) Composite 40% Polyester / PVC* |
| 3556 (4K) Composite 40% Polyester / PVC* | ☐ 1447 (4K) Composite 40% Polyester / PVC* |
| Programming* (Select one option) | Programming (Select one option) |
| □ P - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder | ■ L - Programmed 125 kHz with HID Prox or Indala Format6, unprogrammed 13.56 MHz MIFARE Classic (for use with iCLASS SE Encoder custom or HID) |
| R - Programmed 13.56 MHz Security Identity Object (SIO) for MIFARE Classic, programmed 125 kHz with HID Prox or Indala format | |
| $\hfill \hfill $ | ■ B - Programmed 13.MHz with HID MIFARE6 access control application, programmed 125 kHz with HID Prox or Indala format |
| *A marker is placed in sector 6 and will not be available for other data | N - Unprogrammed 13.56 MHz MIFARE (for use with SE Encoder custom or HID), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder |
| | ■ S - Custom Programmed 13.56 MHz MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder, requires custom part number |

▼ E - Contact Module Embeddable Plain Gloss White Finish

Back Packaging (Select one option)

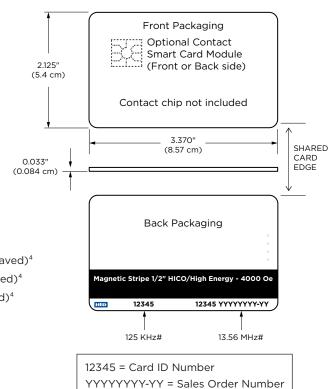
- ☐ **G** Plain White with Gloss Finish²
- 1 Plain White with Gloss Finish with Magnetic Stripe²
- 3 Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number^{1, 2}
- C Custom Artwork with Gloss Finish -Specify Custom Artwork Number^{1, 2}

13.56 MIFARE Card Numbering³ (Select one option)

- N No External Card Numbering
- ☐ A Sequential Matching Internal/External (Laser Engraved)⁴
- ☐ B Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴
- ☐ C Random Internal/Non-Matching Sequential External (Laser Engraved)⁴
- ☐ **Z** Reversed UID (CSN) Decimal card numbering only (Laser Engraved)⁴

Slot Punch⁵ (Select one option)

- N No Slot Punch (Printed location of vertical slot punch will remain)





| 125 kHz Prox Card Num N - No External Card N A - Sequential Matching B - Sequential Internal/ C - Random Internal/N | umbering g Internal, 'Sequentia | /External (al Non-Ma | (Laser Er tching Ex | ngraved)⁴ xternal (La | aser E | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------------|--------------------------|----------|--------|----------|----------------------|-------------|-------------|-----------|---------------------|--|
| Option - Custom Artwo | rtwork Nu | | | | | | | or ne | ew Artwork | <) | | | |
| Enter your final card options from check boxes above. Example: 1441NEGNNN | | | | | | | | | | | | | |
| Final Part Number | | | E | | | | | | | | - | (Options #) | |
| 13.56 MHz Programm | ing Infor | rmation | | | | | | | | | | | |
| | | | | 1 | | | | | | | 1 | | |
| Format Number (e.g. H10301) | | lame(s) cility Code | е | Value | | QTY | | Encoded Start Number | | | Encod | Encoded Stop Number | |
| | | | | | | | | _ | | | | | |
| Bit Numbers (e.g. 26 bit) | | | | | \dashv | | | P | rinted Star | t Number | Printe | d Stop Number | |
| | | | | | - | | | | | | | | |
| | | | | | | | | | | | | | |
| 125 kHz Programming | Inform | ation | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Format Number (e.g. H10301) | | lame(s) cility Code | e | Value | | QTY | | E | ncoded Sta | art Number | Encod | ed Stop Number | |
| | | | | | | | | | | | | | |
| Bit Numbers (e.g. 26 bit) | | | | | _ | | | P | rinted Star | t Number | Printe | d Stop Number | |
| (e.g. 20 bit) | | | | | \dashv | | | | | | | | |
| | | | | | | | | | | | | | |
| Special Instructions: | | | | | _ | | | | | | | | |
| For Contact Smart Chip se smart chip module. | election, c | ontact yo | ur Regio | nai Saies | Repr | esenta | itive. S | stan | dard config | guration do | es not in | clude a contact | |
| ¹ For new artwork files, cont | act Custo | mer Servi | ce for cu | stom artw | vork r | numbe | r, lead | time | es, and cos | t. | | | |
| ² Cards ordered with plain w | | | | | | | | | | | | _ | |

back of the card on Prox Programming only. Permanent unique MIFARE 32 Bit serial # cannot be printed on cards.

⁴When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).

⁵Cards 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.

³The external card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the

⁶Includes a permanent Unique MIFARE 32 Bit Serial number.

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

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MIFARE DESFire Embeddable Card - 375 / 1456

Based on open global standards for security, and is interoperable with existing MIFARE DESFire EV1 infrastructures. All MIFARE DESFire

EV1 cards can be order either with or without SIO encoding. Use of a 1450 or 1456 for SIO encoding using the CP1000 will consume a chargeable credit.

| Card with SIO encoding | g | | | OR Card without SIO encoding | | | | | | | | | |
|-----------------------------------------------------------------------------|-------------|-------------|---------------|------------------------------|-----------------------------------------------------------------------------------|-------------|-----------------------------|----------------------------------------|------------|----------------------------------------------|--|--|--|
| 3750 Composite 40% Pol | yester / P\ | /C* | | [|] 1456 Co | mposite 40 | % Polyester | / PVC* | | | | | |
| MIFARE DESFire EV1 Men | nory Size | | | | MIFARE DI | ESFire EV1 | Memory S | Size | | | | | |
| ☑ c - 8K Bytes MIFARE DES | Fire EV1 | | | [| C - 8K Bytes MIFARE DESFire EV1 | | | | | | | | |
| Programming | | | | | Programming (Select one option) | | | | | | | | |
| | Identity O | bject (SIO |) for | [| ■ N - Unprogrammed 13.56 MHz DESFire EV1 for use with iCLA SE Encoder (custom) | | | | | | | | |
| ∇ - Unprogrammed Secur DESFire EV1, for use with | - | • | - | | ☐ S - Custom MIFARE DESfire EV1 programming – requires custom part number | | | | | | | | |
| Front Packaging (Select | one optio | n) | | | | | | | | | | | |
| If Custom Artwork is desired, | | | | | 1 | | Front Pa | ckaaina | |) | | | |
| specify Custom Artwork Num | | | Vhite Finish | | 2.125" | | Optiona Smart C | al Contact Card Modu or Back sic | | | | | |
| Back Packaging (Select of G - Plain White with Gloss | | 1) | | | (5.4 cm) | C. | ontact chip | not includ | lod | | | | |
| ☐ 1 - Plain White with Gloss | Finish with | n Magnetic | : Stripe² | | | | лиаст спір | not includ | leu | | | | |
| C - Custom Artwork with Specify Custom Artwork | | sh - | | | <u> </u> | | 3.37 | | | / | | | |
| ☐ 3 - Custom Artwork with Specify Custom Artwork | | h with Ma | gnetic Strip | O. | .033" v | | (8.57 | cm) | | CARD EDGE | | | |
| | | | | | Ţ | | | | | <u>, </u> | | | |
| Card Numbering³ (Select ☐ N - No External Card Num | = | on) | | | | | Back Pa | ckaging | | | | | |
| A - Sequential Matching I | nternal/Ex | ternal (Las | ser Engrave | d) ⁴ | | | Backira | citagiiig | 0 | | | | |
| ☐ B - Sequential Internal/Se | equential N | on-Matchi | ng External | (Laser E | ngraved) ⁴ | | | | • | | | | |
| C - Random Internal/Non | -Matching | Sequentia | l External (I | Laser En | graved)4 | | | | • | | | | |
| Z - Reversed UID (CSN) | ecimal car | d number | ing only (La | ser Engr | raved) ⁴ | Magnetic S | Stripe 1/2" HICC | D/High Energy | - 4000 Oe | | | | |
| | | | | | | HID | | 12345 YYY | YYYYY-YY _ |) | | | |
| Slot Punch ⁵ (Select one o | = | of vortical | مام سیسمام | معرمها النبيد | nin) | | | | | | | | |
| N - No Slot Punch (PrinteV - Vertical Slot Punch | a location | oi verticai | siot punch | wiii rema | airi) | | | | | | | | |
| ☐ V - Vertical Slot Punch | | | | | | | = Card ID Nu YYY-YY = Sa | | Numbor | | | | |
| Option - Custom Artwork | 1 | | | | | | 111-11 - 3 | ales Order i | Number | | | | |
| Specify Arty | | er - Refer | to the Cust | om Artw | ork Forms | for new Art | work) | | | | | | |
| Enter your final card options | from checl | k boxes ab | ove. Examp | ole: 14560 | CNEGNN | | | | | | | | |
| Final Part Number | 1456 | С | | E | | | | - | (Opt | ions #) | | | |



13.56 MHz Card Programming Information

| Format Number (e.g. H10301) | | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|--------------------------------|---|----------------------------------|-------|-----|-----------------------------|---------------------|
| | | | | | | |
| Bit Numbers (e.g. 26 bit) | - | | | | Printed Start Number | Printed Stop Number |
| (e.g. 20 bit) | - | | | | | |

Special Instructions:

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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

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

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

⁴Please update Format - Reference Page 112 from PACS HTOG PLT-02630. should show two columns of the base item and programming.

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

⁶Includes a permanent Unique MIFARE 56 Bit Serial number.



MIFARE DESFire + Prox Embeddable Card - 385 / 1457

Based on open global standards for security, and is interoperable with existing MIFARE DESFire infrastructures with the addition of Proximity technology for easier migration. All MIFARE DESFire EV1 cards can be order either with or without SIO encoding. Use of a1451 or 1457 for SIO encoding using the CP1000 will consume a chargeable credit.

| Card with SIO encoding + Prox (Recommended) OR | Card without SIO encoding + Prox | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| 3850 Composite 40% Polyester / PVC* | ☐ 1457 Composite 40% Polyester / PVC* | | | | | | | |
| MIFARE DESFire EV1 Memory Size | *HITAG based cards are not available with composite | | | | | | | |
| ☑ C - 8K Bytes DESFire EV1 | MIFARE DESFire EV1 Memory Size | | | | | | | |
| Programming (Select one option) | ▼ C - 8K Bytes DESFire EV1 | | | | | | | |
| ☐ P - Programmed 13.56 MHz with Security Identity Object (SIO) | Programming (Select one option) | | | | | | | |
| for MIFARE DESFire EV1, unprogrammed 125 kHz HID Prox (for use with iCLASS SE Encoder) | L - Programmed 125 kHz HID Prox or Indala, unprogrammed 13.56 MHz DESFire EV1 for SE Encoder (custom). | | | | | | | |
| ■ R - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE DESFire EV1, programmed 125 kHz HID Prox or Indala | N - Unprogrammed 13.56 MHz DESFire EV1 for iCLASS SE Encoder (custom), unprogrammed 125 kHz HID Prox for iCLASS SE Encoder. | | | | | | | |
| V - Unprogrammed 13.56 MHz with Secure Identity object (SIO) for MIFARE DESFire EV1 for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HIDProx for use with iCLASS SE | ■ S - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HID Prox for iCLASS SE Encoder, custom part number required | | | | | | | |
| Encoder. | ☐ R - Custom programmed 13.56 MHz, programmed 125 kHz HID Prox or Indala, custom part number required | | | | | | | |
| | ☐ F - Unprogrammed 13.56 MHz DESFire EV1 for use with iCLASS SE Encoder (custom), unprogrammed HITAG 1 | | | | | | | |
| | ☐ G - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HITAG 1, custom part number required | | | | | | | |
| Front Packaging If Custom Artwork is desired, specify Custom Artwork Number below ■ E - Contact Module Embeddable Plain Gloss White Finish Back Packaging (Select one option) ■ G - Plain White with Gloss Finish² ■ 1 - Plain White with Gloss Finish with Magnetic Stripe² ■ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹.² ■ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹.² | Front Packaging Optional Contact Smart Card Module (Front or Back side) Contact chip not included 3.370" (8.57 cm) SHARED CARD EDGE | | | | | | | |
| 13.56 MIFARE DESFire Card Numbering³ (Select one option N - No External Card Numbering A - Sequential Matching Internal/External (Engraved)⁴ B - Sequential Internal/Sequential Non-Matching External (Engraved) C - Random Internal/Non-Matching Sequential External (Engraved) Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved) Slot Punch⁵ (Select one option) N - No Slot Punch (Printed location of vertical slot punch will remain the company of the punch of the pun | Back Packaging aved) ⁴ ed) ⁴ graved) ⁴ Magnetic Stripe 1/2" HICO/High Energy - 4000 Oe 12345 12345 YYYYYYYYYYYY | | | | | | | |
| | 12345 = Card ID Number YYYYYYYY-YY = Sales Order Number | | | | | | | |



| 125 kHz Prox Card Num N - No External Card Nu A - Sequential Matching B - Sequential Internal/ C - Random Internal/No | umbering g Internal/I Sequential | External (Non-Mat | (Engraved) ⁴ tching External (E | | | | |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|-----------------------------------------------|----------------|------------------------------|---------------------|-----------------|
| | rtwork Nui | | | | for new Artwork) | | |
| Enter your final card option | ı | | Г | 1457CNEGNNN | | | |
| Final Part Number | 1457 | С | E | | | - | (Options #) |
| 13.56 MHz Programmi | ng Infori | mation | | | | | |
| Format Number (e.g. H10301) | Field Name(s) e.g. Facility Code | | Value | QTY | Encoded Start Number | Encoded Stop Number | |
| Bit Numbers | | | | | Printed Start Number | Printe | d Stop Number |
| (e.g. 26 bit) | | | | | | | |
| | | | | | | | |
| 125 kHz Programming | Informa | ition | | | | | |
| Format Number (e.g. H10301) | Field Na e.g. Fac | ame(s) ility Code | Value | QTY | Encoded Start Number | Encod | ed Stop Number |
| | | | | | | _ | |
| Bit Numbers (e.g. 26 bit) | | | | | Printed Start Number | Printe | d Stop Number |
| | | | | | | | |
| Special Instructions: For Contact Smart Chip se smart chip module. | lection, co | ontact yo | ur Regional Sales | Representative | . Standard configuration doe | s not in | clude a contact |

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

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

³The external card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Prox Programming only. Permanent unique MIFARE 56 Bit serial # cannot be printed on cards.

⁴When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).

⁵Cards 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.

⁶Includes a permanent Unique MIFARE 56 Bit Serial number.

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



