Readers and Credentials

How to Order Guide

PLT-02630, Rev D.8 April 2024





Copyright

© 2016 - 2024 HID Global Corporation/ASSA ABLOY AB. All rights reserved.

This document may not be reproduced, disseminated or republished in any form without the prior written permission of HID Global Corporation.

Trademarks

HID GLOBAL, HID, the HID Brick logo, the Chain Design, Asure ID, Corporate 1000, DuoProx, EntryProx, FARGO, FlexCard, FlexKey, FlexSmart, HID Mobile Access, HID ORIGO, HID Signo, iCLASS, iCLASS SE, ISOProx, EDGE, Edge EVO, MaxiProx, MicroProx, MiniProx, multiCLASS, pivCLASS, ProxCard, ProxKey, ProxPass, ProxPoint, ProxPro, Secure Identity Object, Seos, SIO, U90, are the trademarks or registered trademarks of HID Global, ASSA ABLOY AB, or its affiliate(s) in the US and other countries and may not be used without permission. All other trademarks, service marks, and product or service names are trademarks or registered trademarks of their respective owners.

MIFARE Classic, MIFARE DESFire, and MIFARE DESFire EV1, are registered trademarks of NXP B.V. and are used under license.

Contacts

For technical support, please visit: https://support.hidglobal.com.

What's new

| Date | Description | Revision |
|------------|------------------------------|----------|
| April 2024 | Added Seos Bamboo Card - 574 | D.8 |

A complete list of revisions is available in Revision history.



Contents

| Sect | tion 01: Readers | 8. |
|------|--|----|
| Un | derstanding HID Global Readers | .9 |
| | Can I configure my reader product online? | .9 |
| | What should I know about security keysets? | .9 |
| | iCLASS SE Reader Standard Security Keysets | .9 |
| | HID Signo Reader Credential Profiles | 10 |
| | How can I order HID Elite configured readers? | 10 |
| | How can I check the status of my order? | 10 |
| Se | lecting the Right Reader | 11 |
| HII | D Signo Readers | 12 |
| | HID Signo Common and Popular orderable Part Numbers | 14 |
| | HID Signo Accessories and Credentials | 14 |
| | HID Signo Reader Configuration | 15 |
| | HID Signo PIV Readers | |
| | HID Signo Biometric Reader | 18 |
| | HID Signo Fingerprint Enrollment USB Reader | 19 |
| iCl | _ASS SE Readers | 20 |
| | iCLASS SE Readers - Seos Profile with Bluetooth Option | 20 |
| | iCLASS SE Readers - Standard Profile with Bluetooth | 22 |
| | iCLASS SE Readers - Standard Profile | 24 |
| | iCLASS SE Express Reader | 26 |
| | iCLASS SE Biometric Reader - Wiegand | 28 |
| | iCLASS SE Readers - Magnetic Stripe | 30 |
| | pivCLASS Readers - FIPS 201 Strong Authentication | |
| | pivCLASS Readers - Wiegand or OSDP | 34 |
| | iCLASS SE U90 - UHF Long Range Reader | 36 |
| | iCLASS SE Reader Accessories | 37 |
| | iCLASS Reader Accessories | 40 |
| HII | D Proximity Readers | 41 |
| | ProxPoint Plus Proximity Reader - 6005 / 6008 | 41 |
| | MiniProx Proximity Reader - 5365 / 5368 | 42 |
| | ProxPro Family Proximity Reader - 5455 / 5458 / 5355 / 5352 / 5358 | 43 |
| | ThinLine II Proximity Reader - 5395 / 5398 | |
| | MaxiProx Proximity Reader - 5375 | 45 |
| | EntryProx Proximity Reader - 4045 | |
| | HID Proximity Reader Accessories | 47 |



| I | ndala Proximity Readers | 49 |
|----|--|----|
| | Overview | 49 |
| | Advantage Series Reader - ASR 620 | 49 |
| | FlexPass Reader - FP Arch / Keypad | 50 |
| | FlexPass Accessories | 51 |
| Se | ction 02: HID Mobile Access | 52 |
| ٧ | Vhat is Mobile Access from HID? | 53 |
| C | Creating a HID Mobile Access User Account | 53 |
| 5 | Selecting the Right Mobile Access Subscription Type | 54 |
| | HID Mobile Identities Part Numbers | 54 |
| C | Ordering Information – Readers for HID Mobile Access | 55 |
| C | Ordering Information – Mobile Identities Service | 56 |
| F | Preparing for Renewal | 57 |
| Se | ction 03: Credentials | 58 |
| ι | Understanding HID Credentials | 59 |
| | Can I configure my credential product online? | 59 |
| | What should I know about security keysets? | 59 |
| | How can I order HID Elite configured credentials? | 59 |
| | How can I migrate from my current credential technology? | 60 |
| | What is the difference between Seos, iCLASS SE and iCLASS credentials? | 60 |
| C | Credentials Marking | 61 |
| | Credential Marking Technology | 61 |
| ι | Understanding Credential Formats | 61 |
| | Format Structure | 61 |
| | What format do I need? | 62 |
| | Common Formats | 62 |
| | Format Compatibility | 63 |
| | Indala Formats – Label Code | 63 |
| | Long Formats (HID Prox) | 63 |
| ι | Inderstanding Credential Programming | 64 |
| | How do I complete the programming section correctly? | 64 |
| | Examples | 64 |



| Eco Credentials | 65 |
|---|-----|
| Seos Bamboo Card - 574 | 65 |
| Seos Credentials | 66 |
| Seos Card - 500 | 66 |
| Seos + iCLASS Card - 522 | 68 |
| Seos + Prox Card - 510 | 70 |
| Seos + iCLASS + Prox Card - 520 | 72 |
| Seos 8K with MIFARE Classic or DESFire EV1 Implementation – 5806/5906 | 74 |
| Seos Key Fob - 526 | 75 |
| Seos Clamshell - 565 | 76 |
| Seos Essential Card - 550 | 77 |
| Seos Essential + Prox Card - 551 | 78 |
| iCLASS SE Credentials | 80 |
| iCLASS SE Card - 300 / 305 | 80 |
| iCLASS SE + Prox Card - 315 | 82 |
| iCLASS SE Key - 325 | 84 |
| iCLASS SE Tag - 330 | 85 |
| iCLASS SE Clamshell Card - 335 | 86 |
| iCLASS SE + MIFARE Classic - 391 | 87 |
| iCLASS SE + MIFARE Classic + Prox Card - 396. | 89 |
| iCLASS Credentials | 92 |
| iCLASS Card - 200 / 210 | 92 |
| iCLASS + Prox Card - 212 | 94 |
| iCLASS Key - 205 | 96 |
| iCLASS Tag - 206 | 97 |
| iCLASS Clamshell Card - 208 | 98 |
| iCLASS + MIFARE Classic - 242 | 99 |
| iCLASS + MIFARE Classic + Prox Card - 262 | 101 |
| UHF Credentials | 104 |
| UHF Card - 600 | 104 |
| UHF + iCLASS Card - 601 | 105 |
| UHF + MIFARE Classic Card - 603 | 107 |
| HID Proximity Credentials | 109 |
| ProxCard II Card - 1326 | 109 |
| DuoProx II Card - 1336 / 1536 | 110 |
| ProxKey III Keyfob - 1346 | 112 |
| ISOProx II Card - 1386 / 1586 | 113 |



| | ProxPass II Active Vehicle Identification Tag - 1351 | . 114 |
|----|--|-------|
| | MicroProx Tag Proximity - 1391 | . 115 |
| ln | dala 125 kHz Credential | . 117 |
| | FPISO - FlexPass Imageable Card | . 118 |
| | FPCRD - FlexCard Standard Card | . 119 |
| | FPTAG - FlexTag | . 120 |
| | FPKEY - FlexKey Keytag | . 121 |
| | FlexPass Formats | . 122 |
| M | IFARE DESFire® Credentials | . 123 |
| | MIFARE DESFire EV3 Card: High Security Profile – 802 | . 124 |
| | MIFARE DESFire EV3 Card: Compatibility Profile – 801 | . 125 |
| | MIFARE DESFire EV3 Card: Custom Profile - 800 | . 127 |
| | MIFARE DESFire EV3 + Prox Card: High Security Profile – 812. | . 129 |
| | MIFARE DESFire EV3 + Prox Card: Compatibility Profile - 811 | . 131 |
| | MIFARE DESFire EV3 + Prox: Custom Profile - 810. | . 133 |
| | MIFARE DESFire EV3 + iCLASS 32k Technology Card: High Security Profile - 822 | . 135 |
| | MIFARE DESFire EV3 + iCLASS Card: Compatibility Profile - 821 | . 137 |
| | MIFARE DESFire EV3 + iCLASS 32K Card: Custom Profile - 820 | . 139 |
| | MIFARE DESFire EV3 + iCLASS 32K + Prox Card: High Security Profile - 832 | . 141 |
| | MIFARE DESFire EV3 + iCLASS + Prox Card: Compatibility Profile - 831 | . 143 |
| | MIFARE DESFire EV3 + iCLASS 32k + Prox Card: Custom Profile - 830 | . 145 |
| M | IFARE Credentials | . 147 |
| | MIFARE Classic Card - 340 / 345 / 1430 / 1440 / 1436 / 1446 | . 147 |
| | MIFARE Classic + Prox Card - 350 / 355 / 1431 / 1441 / 1437 / 1447 | . 149 |
| | MIFARE Classic Keyfob - 1434 / 1444. | . 151 |
| | MIFARE Classic Adhesive Tag - 1435 | . 152 |
| CI | P1000 iCLASS SE Encoder | . 153 |
| | iCLASS SE Encoder Summary | . 153 |
| | iCLASS SE Encoder - How Does it Work? | . 153 |
| | iCLASS SE Encoder Ordering Basics | . 153 |
| | Step 1: Hardware | . 154 |
| | Step 2: Select Additional Credential Credits | . 155 |
| | Genuine HID Technology Credential Credits – Part Tables | . 155 |
| | Third Party HID Technology Credential Credits – Part Tables | . 156 |
| | Step 3: Select Additional Formats. | . 157 |
| | How to order FRMT-J1 (HID open, tracked or OEM format) | . 157 |
| | How to order FRMT-J2 (Corporate 1000 format) | . 157 |



| Step 4: Select Additional Keysets | 158 |
|--|-----|
| Step 5: Encoder Order Form | 159 |
| Embeddable Credentials | 160 |
| Overview | 160 |
| What is an Embeddable Card? | 160 |
| Why do I need an Embeddable Card? | 160 |
| Can I Configure my Embeddable Credential Product Online? | 160 |
| Credentials Marking | 160 |
| Embedding Capability | 160 |
| Embeddable Seos Credentials | 161 |
| Seos Embeddable Card - 501 | 161 |
| Seos + Prox Embeddable Card - 511 | 163 |
| Embeddable iCLASS SE Credentials | 165 |
| iCLASS SE Embeddable Card - 301 | 165 |
| iCLASS SE + Prox Embeddable Card - 311 | 167 |
| iCLASS SE + Other HF Embeddable Card - 392 | 169 |
| iCLASS SE + Other 13.56MHz + Prox Embeddable Card - 397 | 171 |
| Embeddable iCLASS Credentials | 174 |
| iCLASS Embeddable Card - 211 | 174 |
| iCLASS + Prox Embeddable Card - 213 | 176 |
| iCLASS + Other HF Embeddable Card - 243 | 178 |
| iCLASS + Other 13.56 MHz + Prox Embeddable Card - 263 | 180 |
| Embeddable HID Proximity Credentials | 183 |
| Smart ISOProx® II Card - 1597 | 183 |
| Smart DuoProx® II Card - 1598 | |
| Embeddable MIFARE Classic and MIFARE DESFire Credentials | 187 |
| MIFARE Embeddable Card - 345 / 1436 / 1446 | 187 |
| MIFARE DESFire Embeddable Card - 375 / 1456 | 189 |
| MIFARE + Prox Embeddable Card - 355 / 1437 / 1447 | 191 |
| MIFARE DESFire + Prox Embeddable Card - 385 / 1457 | |

Section 01

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 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 | • Seos (+ Prox) |
| | • iCLASS SE (+ Prox) |
| | • iCLASS SR (+ Prox) |
| | • iCLASS (+ Prox) |
| | MIFARE Classic (+ Prox) |
| | MIFARE DESFire EV1 (+ Prox) |
| Version 2 | • Seos (+ Prox) |
| | • iCLASS SE (+ Prox) |
| | MIFARE Classic (+ Prox) |
| | MIFARE DESFire EV1 (+ Prox) |



HID Signo Reader Credential Profiles

HID Signo Readers are available with the following credential profile options.

| | | | Type NFC/BLE High Frequency | | | | | | | | | | | Low Frequency | | | |
|----------|--|----------------------------------|-----------------------------|-----------|-----------|--------|--------------------------------------|----------------------|--------------------------------------|----------------------|--|---------------------------------|------------|--------------------|----------------------|-------------------------|----------------------------|
| | Credentials Technologies Supported | Seos (Mobile IDs via NFC/BLE) | Seos | ICLASS SE | iCLASS SR | iclass | MIFARE DESFire EV1/ EV2/EV3 (SIO) | MIFARE Classic (SIO) | MIFARE DESFire EV1/ EV2/EV3 (CSN) | MIFARE Classic (CSN) | MIFARE DESFire EV1/ EV2/EV3 (Custom Data) | MIFARE Classic (Custom Data) | FeliCa IDm | CEPAS (CAN or UID) | 125kHz HID Proximity | 125kHz Indala Proximity | 125kHz EM4102 Proximity |
| | 00 - Standard Profile | • | • | • | • | • | • | • | • | • | _ | _ | _ | _ | • | • | • |
| Regular | O1 - Seos Profile | • | • | _ | _ | _ | - | - | - | - | _ | _ | _ | _ | _ | - | _ |
| Options | 02 - Smart Profile | • | • | • | • | • | • | • | - | - | _ | _ | _ | _ | _ | - | _ |
| | ☐ 03 - Custom Profile | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | ☐ T0 - Priority Standard Profile | • | • | • | • | • | • | • | • | • | _ | _ | _ | _ | _ | _ | _ |
| Priority | ☐ T1 - Priority Seos Profile | • | • | - | _ | _ | - | _ | - | _ | _ | _ | _ | _ | _ | _ | _ |
| Options | T2 - Priority Smart Profile | • | • | • | • | • | • | • | - | _ | _ | _ | _ | _ | _ | _ | _ |
| | T3 - Priority Custom Profile | • | • | • | • | • | • | • | • | • | • | • | • | • | - | _ | _ |

Supported

- Not 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 https://www.hidglobal.com/solutions/elite-key
- 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).

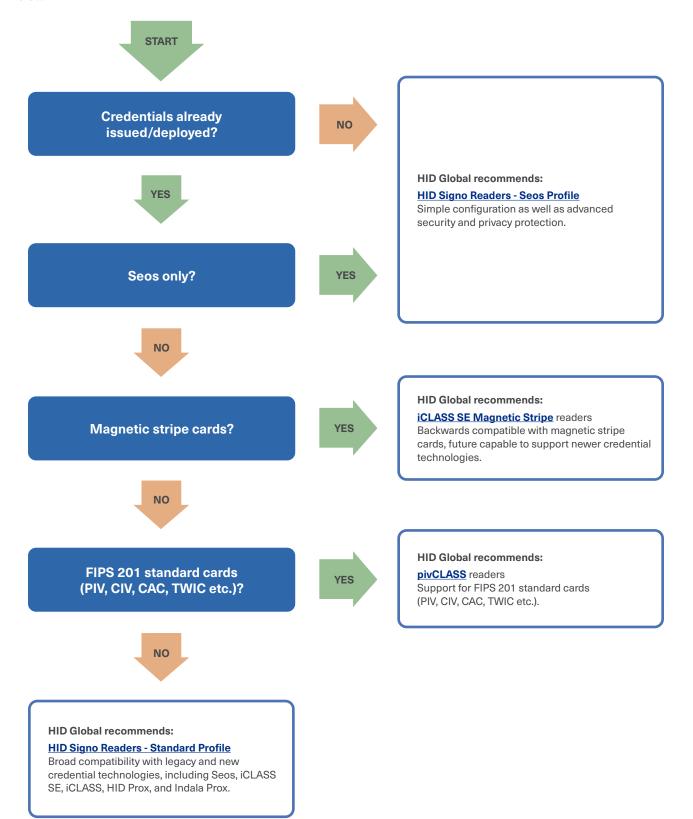
How can I check the status of my order?

• To check order status, go to: https://orderstatus.hidglobal.com/CCCOrderStatus



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: The versatility, performance, and connected capabilities of HID Signo Readers provide a 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.



Bluetooth°

1. Select hardware option (select one model)



20 - Designed for applications requiring a narrow card reader.



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



40 - Designed for applications requiring switch mounting.



■ 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 lyne | | FC/ BLE High Frequency | | | | | | | | | Low Frequency | | | | | |
|----------|--|-------------------------------|---------------------------|-----------|-----------|--------|--------------------------------------|----------------------|--------------------------------------|----------------------|--|---------------------------------|------------|--------------------|----------------------|-------------------------|----------------------------|
| | Credentials Technologies Supported | Seos (Mobile IDs via NFC/BLE) | Seos | ICLASS SE | ICLASS SR | iclass | MIFARE DESFire EV1/ EV2/EV3 (SIO) | MIFARE Classic (SIO) | MIFARE DESFire EV1/ EV2/EV3 (CSN) | MIFARE Classic (CSN) | MIFARE DESFire EV1/ EV2/EV3 (Custom Data) | MIFARE Classic (Custom Data) | FeliCa IDm | CEPAS (CAN or UID) | 125kHz HID Proximity | 125kHz Indala Proximity | 125kHz EM4102 Proximity |
| | 00 - Standard Profile | • | • | • | • | • | • | • | • | • | _ | _ | _ | _ | • | • | • |
| Regular | O1 - Seos Profile | | • | _ | _ | _ | - | - | - | - | _ | _ | _ | _ | _ | - | - |
| Options | 02 - Smart Profile | • | • | • | • | • | • | • | - | - | _ | _ | _ | _ | _ | - | - |
| | ☐ 03 - Custom Profile | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | To - Priority Standard Profile | • | • | • | • | • | • | • | • | • | _ | _ | _ | _ | _ | _ | - |
| Priority | T1 - Priority Seos Profile | • | • | _ | - | _ | - | _ | _ | - | _ | _ | _ | _ | _ | _ | - |
| Options | ☐ T2 - Priority Smart Profile | • | • | • | • | • | • | • | _ | _ | - | _ | - | - | _ | _ | - |
| | ☐ T3 - Priority Custom Profile | • | • | • | • | • | • | • | • | • | • | • | • | • | _ | _ | - |

■ Supported— Not supported



3. Select configuration option

| | | | Flexil | ation* | |
|---------|--------------------|---------------------------------|--------------------------------|---|-----------------------------|
| | Credential Profile | Default Reader Configuration | Key Input only (ICE or MOB) | Key (ICE or MOB) + Indala Format Input | Indala Format Input only |
| | Standard | 000000 | 001TCX | 001UX8 | 001UX4 |
| W: I | Seos | 000000 | 001UXB | - | - |
| Wiegand | Smart | 000000 | 001UXD | _ | _ |
| | Custom | 000000 | _ | _ | _ |
| | Standard | - | 0065H5 | 0065H7 | 0065H6 |
| OCDD V1 | Seos | - | 0065H8 | - | _ |
| OSDP V1 | Smart | - | 0065H9 | - | - |
| | Custom | - | - | - | - |
| | Standard | - | 0063HH | 0063HN | 0063HQ |
| OCDD VA | Seos | - | 0063HK | - | - |
| OSDP V2 | Smart | - | 0063HL | - | |
| | Custom | - | _ | _ | _ |

^{*}Flexible Default Reader Configuration options offer the same reader settings as the Default Reader Configuration, however they also allow for HID Elite keys (ICE), Mobile keys (MOB) and/or Indala formats to be provided at the time of order. This provides the option for HID Partners to reduce the number of HID Signo part numbers they need to support. A new configuration ID with this information preloaded will also be made available on the reader and documentation to simplify repeat ordering.

- · 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
- Wiegand, OSDP V1, or OSDP V2 controller communication

For any other configuration, including non-standard credential configurations, please use the interactive online <u>HID Product Configurator</u>. 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.

Note: No changes to reader configuration IDs are required when opting for the new counterpart priority credential profile. For example, if you are using "001TCX" with a Seos (01) profile reader, you can continue using the same configuration ID with a Priority Seos Profile (T1) reader.

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

| iCLASS SE / | Compatible HID Signo Reader | | | | | |
|--|------------------------------------|--|--|--|--|--|
| multiCLASS SE Part Number | Part Number (terminal strip) | | | | | |
| 900NTNTEK00000 (R10) 900PTNTEK00000 (RP10) 910NTNTEK00000 (R15) 910PTNTEK00000 (RP15) | Signo 20 20TKS-00-000000 | | | | | |
| 920NTNTEK00000 (R40) | Signo 40 | | | | | |
| 920PTNTEK00000 (RP40) | 40TKS-00-000000 | | | | | |
| 921NTNTEK00000 (RK40) | Signo 40 Keypad | | | | | |
| 921PTNTEK00000 (RPK40) | 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
- Seos
- iCLASS SE
- · iCLASS
- HID Prox
- Indala Proximity
- MIFARE DESFire
- 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 | | | |
| 7 7 | 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)

Google Play (Android devices)







HID Signo PIV Readers

Application: HID Signo PIV Readers are hardware variants of the flagship HID Signo line and are designed to support the authentication of FIPS 201 compliant smart cards such as PIV, PIV-I, CIV, CAC, FRAC, and TWIC in both government and non-government environments.

HID Signo PIV Readers are BAA Complaint and FICAM Certified. You do not need to be pivCLASS certified to resell HID Signo PIV Readers.

If you are connecting the Signo PIV Reader directly to a panel or intelligent controller for use with either Wiegand or OSDP, use this page to construct the appropriate part number.

Follow the steps below to determine a standard configuration HID Signo PIV Reader part number.



1. Select hardware option (select one model)



20 - Designed for applications requiring a narrow card reader.



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



40 - Designed for applications requiring switch mounting.



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

Federal Identity, Credential, and Access Management (FICAM) & Buy American Act (BAA) Certified Hardware

N H-BAA

Wiring Connection (select one option)

N - Pigtail

T - Terminal Strip

Body Color

X K - Black

Trim/Mounting Plate Color

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

HID Signo PIV Readers are only available with the Custom Credential Profile, which includes CHUID credential read support. Bluetooth (BLE) is disabled by default on all HID Signo PIV Readers.

| 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) | FIPS-201 CHUID | 125kHz HID Proximity | 125kHz Indala Proximity | 125kHz EM4102 Proximity |
| 03 - Custom Profile | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

Supported



3. Select configuration option

| Credential Profile | Prox Disabled | Prox Enabled | PAM mode ON |
|--------------------|---------------|--------------|-------------|
| CUSTOM | 00059X | 0004XR | 007CP5 |

- · Bluetooth (BLE) disabled
- OSDP Transparent Mode enabled
- · 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 work with your local HID representative. An example of a "non-standard" credential configuration would be where you would like to order a HID Signo PIV 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 | BAA | Wiring Connection | Body Color | Trim Color | | Credential Profile | | Configuration Option |
|-------------------|-----------------|-----|----------------------|---------------|------------|---|-----------------------|---|-------------------------|
| Example | 40K | Н | T | K | S | - | 03 | - | 0004XR |
| Final Part Number | | Н | | K | S | - | 03 | - | |

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 PIV Reader common and popular orderable part numbers

HID Signo PIV Reader part numbers below provide full compatibility with the associated pivCLASS readers.

| Compatible HID Signo PIV Reader Part Number (pigtail) | pivCLASS Reader Part Number | Compatible HID Signo PIV Reader Part Number (terminal strip) |
|---|--------------------------------|---|
| Signo PIV 20 | R10 | Signo PIV 20 |
| 20HNKS-03-00059X | 900NH(R/P)TEKxyyyy | 20HTKS-03-00059X |
| Signo PIV 40 | R40 | Signo PIV 40 |
| 40HNKS-03-00059X | 920NH(R/P)TEKxyyyy | 40HTKS-03-00059X |
| Signo PIV 20K / Signo PIV 40K 20KHNKS-03-00059X 40KHNKS-03-00059X | RK40 921NH(R/P)TEKxyyyy | Signo PIV 20K / Signo PIV 40K 20KHTKS-03-00059X 40KHTKS-03-00059X |
| Signo PIV 20 | RP10 | Signo PIV 20 |
| 20HNKS-03-0004XR | 900PH(R/P)TEKxyyyy | 20HTKS-03-0004XR |
| Signo PIV 40 | RP40 | Signo PIV 40 |
| 40HNKS-03-0004XR | 920PH(R/P)TEKxyyyy | 40HTKS-03-0004XR |
| Signo PIV 20K / Signo PIV 40K 20KHNKS-03-0004XR 40KHNKS-03-0004XR | RPK40 921PH(R/P)TEKxyyyy | Signo PIV 20K / Signo PIV 40K 20KHTKS-03-0004XR 40KHTKS-03-0004XR |
| Note: HID Signo 20K reader is mullion mount with 2 x 6 keypad | | Note: HID Signo 20K reader is mullion mount with 2 x 6 keypad |

HID Signo PIV Reader configuration

HID Signo PIV Readers can be configured using an Android smartphone with the HID Reader Manager™ application, a tool that provides powerful configuration and upgrade capabilities through a convenient smart phone application.

Notes: • An Android device is needed to enable BLE via NFC, BLE is then used to configure HID Signo PIV Readers via HID Reader Manager, after configuration is complete BLE can also be disabled with the tool.

Configuration of CHUID output formats is currently not supported in HID Reader Manager v1.8.0. – this feature will be added in a future version

Google Play (Android devices)





HID Signo Biometric Reader

Application: The HID Signo Biometric Reader is designed for "real-world" applications, where people have wet, dry, dirty or worn fingerprints. Using patented multispectral imaging technology, it is capable of capturing and reading fingerprints that other devices cannot.

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





1. Select hardware option



25B - Designed for door applications requiring a small footprint card reader.

Wiring Connection

N - Pigtail

Body Color

X - Black

Trim/Mounting Plate Color

X S-Silver

3. Select credential profile

| Communication | NFC/BLE | | | Hiç | gh Frequency | | |
|---|----------------------|------|-------------------------------------|-----|--------------|---|-------------------------|
| Credentials Supported | Seos (Mobile IDs) | Seos | Seos iCLASS SE iCLASS SR iCLASS DES | | | | MIFARE Classic (CSN) |
| ☑ 10 - Biometric Reader Credential Profile | • | • | • | • | • | • | • |

4. Select configuration option

- · Idle LED color is RED, flash GREEN on card read
- · Liveness detection enabled
- Template on Card Mode Enabled
- Tamper Enabled
- · Wiegand Enabled

Currently this is the only configuration option available from the factory. HID Biometric Manager is available to download for free with each device. This on-prem server based software can be used to configure and manage the reader, including firmware updates over the network and loading MOB or Elite keys in the field.

5. Final orderable SKU

Assembling the selections from Step 1 to 3.

Final Part Number: 25BNKS-10-000000

| | Reader Model | Wiring Connection | Body Color | Trim Color | | Credential Profile | | Configuration Option |
|-------------------|-----------------|----------------------|------------|------------|---|-----------------------|---|-------------------------|
| Final Part Number | 25B | N | K | S | - | 10 | ı | 000000 |

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



HID Signo Fingerprint Enrollment USB Reader

Application: HID multi-spectral imaging technology in a compact footprint. Multi-spectral imaging captures surface and subsurface biometric details, no matter the quality of the fingerprint (extra dry, wet, oily, dirty, aged, and damaged), enabling a superior user experience without sacrificing security.

The HID Signo Fingerprint Enrollment USB Reader offers a low cost pathway to decentralized enrollment. Users will no longer have to travel to a specific location to be enrolled in the system, accelerating set up times and lowering costs with a superior user experience.

| Image | Part Number | Compatible Reader |
|-------|-------------|---|
| HID | SIGNO-B-USB | To be used with HID Signo Biometric 25B and iCLASS SE RB25F readers |



iCLASS SE Readers

Note: See "Selecting the Right Reader" on page 10 for guidance.

iCLASS SE Readers - Seos Profile with Bluetooth Option

Application: Designed to instill confidence with advanced security and privacy protection.

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





part number

| 1. Select one option from each of the following sections to | o 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. | 921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input. |
| 125 kHz Credential Support (select one option) ☐ N - No 125 kHz support | |
| ☐ P - Support for HID Prox | |
| 13.56 MHz and Bluetooth credential support (select one option) S - Supports Seos cards, and Mobile IDs via NFC. | |
| ☐ B - Supports Seos cards, and Mobile IDs via NFC and Bluetooth Smart. | |
| Controller Communication | |

Wiring Connection (select one option) N - Pigtail

N - Wiegand ☐ P-OSDP

T - Terminal strip

Hardware Revision

E - Revision E

Color

X - Black

Keyset (select one option)

order, only Seos credentials with standard keys are supported.

| 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 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 Seos credentials with HID Elite keys are supported. If Mobile Reference (MOB) is given at time of

2 - Standard and Mobile-Ready - supports Seos credentials with standard keys. Prepared to support HID Mobile Access, but lacks the personalized

PLT-02630, Rev D.8 20 April 2024



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).
- · Wiegand only, for OSDP a non-standard configuration will be required.

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

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 | | Е | 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
- Seos
- · 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-CRD0 | 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 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 behavior 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 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 behavior 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 |

 $\textbf{Note:} \ \ \text{The above configuration cards are only intended for use with iCLASS SE Reader - Seos profile.}$



iCLASS SE Readers - 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.



supported.

| 1. se | lect one | e option from each of the following sections | |
|---------------------------|---|--|--|
| Reade | r Model (| (select one model) | |
| _ | 900 | - Model R10 - Designed for door applications requiring a small footprint card reader. - 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 | 9 - Model R40 - Designed for door applications requiring standard wall switch mounting. | 921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input. |
| | ☐ 95B | - Décor Model - Designed for door applications requiring low profile EU square wall switch mounting. | |
| □ N · | No 125 k | ntial Support (select one option) Hz support for HID Prox, AWID and EM4102 (32 bits) | |
| <mark>13.56</mark> ⊠ м | MHz and | l Bluetooth Credential Support | :- reader equipped with Bluetooth Smart module. Also supports Seos, (SIO) and ISO 14443 UID. |
| □ N - | Oller Com - Wiegand - Clock & E OSDP | | |
| □ N | • | tion (select one option) ot available on 95B) strip | |
| | Revision | | |
| | Grey (ava | ailable on 95B only) vailable on 95B only) | |
| □́м | - Mobile-F | one option) Ready: Prepared to support HID Mobile Access, but lacks the per ofiguration can be ordered at any time but will require field activa | sonalized configuration to read an organization's specific Mobile ion after the organization has completed registration for HID Mobile |

PLT-02630, Rev D.8 22 April 2024

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



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. Wiswand | N - No | Yes | ☐ A002 |
| N - Wiegand | D. Van | No | ☐ A003 |
| | P - Yes | Yes | □ A004 |
| | N. N. | No | ☐ A005 |
| P - OSDP | N - No | Yes | □ A006 |
| h - nanh | D. Voo | 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/documents/iclass-se-configuration-guide. 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
- · Seos
- iCLASS
- iCLASS SE
- MIFARE DESFire
- MIFARE Classic



iCLASS SE Readers - 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 applications requiring a small footprint card reader. | 921 - Model RK40 - Designed for door applications requiring standard wall switch mounting. Supports keypad input. |
| 910 - Model R15 - Designed for door applications requiring a mullion style mounting. | 940 - Model R90 - Designed for vehicle access applications requiring extended read range. |
| 920 - Model R40 - Designed for door applications requiring standard wall switch mounting. | 95A - Décor model - Designed for door applications requiring low profile EU square wall switch mounting. |

125 kHz Credential Support (select one option)

| _ | _ | | | | | | | | |
|---|---|---|-----|---|---|--|--|--|--|
| ı | 1 | N | NI. | _ | - | | | | |
| | | | | | | | | | |

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 the needed format at time of order. Not available on models 940 or 95A. Not available with OSDP communication and/or Custom Programming or Transit.

13.56 MHz Credential Support (select one option)

| | Seos | iCLASS SE | iCLASS SR | iCLASS | MIFARE Classic (SIO) | MIFARE DESFire EV1 (SIO) | Mobile IDs via NFC | Mobile IDs via Bluetooth Smart | ISO14443 UID | MIFARE Classic (Custom data) | MIFARE DESFire EV1 (Custom data) | FeliCa IDm | CEPAS CAN or UID |
|--|------|-----------|-----------|--------|----------------------|--------------------------|--------------------|-----------------------------------|--------------|---------------------------------|-------------------------------------|------------|------------------|
| ■ N - High security | • | • | • | _ | • | • | • | | | | _ | _ | |
| ☐ T - Maximum compatibility | • | • | • | • | • | • | • | _ | • | _ | _ | - | _ |
| ☐ R - FeliCa and CEPAS¹ | • | • | • | • | • | • | • | _ | • | _ | _ | • | • |
| ☐ W - Custom programming ² | 0 | 0 | 0 | 0 | 0 | 0 | 0 | _ | 0 | • | • | - | _ |

[●] Supported O Optionally supported — Not supported

Controller Communication (select one option)

| Ш | N · | - Wiegand |
|---|-----|-----------|
| | _ | 01 |

C - Clock & Data

P-OSDP

¹ Not available on model 940.

² Consult your local HID sales representative for non-standard credential configuration requests.



| Wi | ring Connection (select one option) |
|----|---|
| | N - Pigtail (Not available on models 940 or 95A) |
| | T - Terminal strip |
| На | ordware Revision |
| X | E - Revision E |
| Co | lor (select one option) |
| | K - Black |
| | W - White. Only available on 95A model. |
| | G - Gray. Only available on 95A model. |
| Ke | yset (select one option) |
| | 0 - 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. |
| Co | nfiguration Setting |
| | 0000 - Standard configuration: |
| • | 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) |
| | xxxx - Non-Standard configuration: ANY other options selected above require 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 <u>www.hidglobal.com/documents/iclass-se-</u> |
| | <u>configuration-guide</u> . 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.

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

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

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



iCLASS SE Express Reader

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

Technologies Supported: 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.

| | 5 kHz Credential Support N - No 125 kHz support |
|----|--|
| 13 | .56 MHz and Bluetooth credential support (select one option) |
| | S - Supports Seos cards, and Mobile IDs via NFC. |
| | B - Supports Seos cards, and Mobile IDs via NFC and Bluetooth Smart. |

D - Supports Seos cards, Mobile IDs via NFC and Bluetooth Smart and ISO14443 UID.

Controller Communication

N - Wiegand

Wiring Connection

N - Pigtail

Hardware Revision

F - Revision F

Color

X - Black

Keyset (select one option)

| | 2 - Standard and Mobile-Ready - supports 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 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 Seos credentials with HID Elite keys are supported. If Mobile Reference (MOB) is given at time of |
| order, only 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.

C - Supports Seos cards, Mobile IDs via NFC and ISO14443 UID.

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 require 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
- Seos
- Seos + Prox



iCLASS SE Biometric Reader - Wiegand

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

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

1. select one option from each section below

Reader Model (select one model)



928 - Model RKLB40 - Designed for door applications requiring multi-factor authentication including biometric. Featuring an LCD display, biometric sensor and keypad.

| 125 kHz Credential Support ☑ N - No 125 kHz support |
|--|
| 13.56 MHz credential support (select one option) S - Supports biometric template on Seos credentials F - Supports biometric template on Seos, iCLASS SR and iCLASS credentials |
| Controller Communication (select one option) N - Wiegand C - Clock & Data |
| Controller Connection ☑ T - Terminal strip |
| Hardware Revision E - Revision E |

Color

X - Black

iCLASS Support/Keyset (select one option)

- 0 Standard v1 Supports Seos, iCLASS SR and iCLASS credentials with default HID keys.
- 2 Standard v2 Supports Seos credentials with default HID keys.
- ☐ E HID Elite Supports 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.
- 13.56 MHz Credential Support = S Seos or F 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 - Wiegand | S - Seos | □ оотс |
| N - Wieganu | F - Seos, iCLASS SR and iCLASS | □ 00TE |

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: https://www.hidglobal.com/documents/iclass-se-configuration-guide. 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 | 928 | N | F | N | Т | Е | K | 0 | XXXX |
| Final Part Number | 928 | | | | Т | 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
- Seos
- · iCLASS
- iCLASS SE
- MIFARE DESFire
- MIFARE Classic



iCLASS SE Readers - 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 one r | nodel) |
|--------------|---------------|--------|
|--------------|---------------|--------|

| | ☐ 922 - Model RI |
|---|------------------|
| - | |

 \perp **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 suppor | ı | П | Ν- | Nο | 125 | kНz | sun | nor |
|-----------------------|---|---|----|----|-----|-----|-----|-----|
|-----------------------|---|---|----|----|-----|-----|-----|-----|

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

13.56 MHz Credential Support (select one option)

| | Seos | iCLASS SE | iCLASS SR | icLASS | MIFARE Classic (SIO) | MIFARE DESFire EV1 (SIO) | Mobile IDs via NFC | Mobile IDs via Bluetooth Smart | ISO14443 UID | MIFARE Classic (Custom data) | MIFARE DESFire EV1 (Custom data) |
|------------------------------------|------|-----------|-----------|--------|----------------------|--------------------------|--------------------|-----------------------------------|--------------|------------------------------|-------------------------------------|
| ☐ T - Maximum compatibility | • | • | • | • | • | • | • | _ | • | _ | - |
| ■ N - High security Wiegand | • | • | • | - | • | • | • | _ | _ | _ | _ |
| ■ W - Custom programming* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | _ | 0 | • | • |

[■] SupportedO Optionally supportedNot supported

Controller Communication (select one option)

| Ш | N - Wiegand |
|---|--------------------|
| | C - Clock & Data |
| | P - OSDP |

Wiring Connection (select one option)

N - Pigtail

T - Terminal strip

Hardware Revision

E - Revision E

Color

X - Black

^{*}Consult your local HID sales representative for non-standard credential configuration requests.



| 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. |

Configuration Settings

To determine configuration options, use the **Select** tab on the iCLASS SE Configuration Guide spreadsheet at the following link: https://www.hidglobal.com/documents/iclass-se-configuration-guide. 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 Mode | I | 125 kHz | 13.56 MHz | Communication | Wiring | HW Rev | Color | Keyset | Config Setting |
|-------------------|-----|---------|-----------|---------------|--------|--------|-------|--------|-------------------|
| Example | 922 | N | N | N | Т | Е | K | 2 | XXXX |
| Final Part Number | | | | | | 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 include (depending on options chosen above):

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



pivCLASS Readers - 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.



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.



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



920 - Model R40 - Designed for door applications requiring standard wall switch mounting.



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



921 - Model RK40 - 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) (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 |
| K10/K40 | P - Yes | □ 0007 |
| RK40 | N - No | □ 033A |
| RR40 | P - Yes | □ 033B |
| RKCL40 | N - No | □ 032V |
| RRGL40 | 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 | Е | 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):

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



pivCLASS Readers - 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, 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. This option is only available for model RKCL40.

Controller Communication (select one option)

- R Wiegand; Configurable to support RS-485 full duplex for communication with pivCLASS Authentication Module (PAM).
- P Wiegand or OSDP via RS-485 half duplex; selectable through configuration. Not available for model with RKCL40.

Controller Connection (select one option)

N - Pigtail

T - Terminal strip

Hardware Revision

X E - Revision E

Color

K - Black

iCLASS Support/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

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 | Е | K | 0 | XXXX |
| 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: http://www.hidglobal.com/customer-service

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

- Seos
- · <u>iCLASS</u>
- iCLASS SE
- HID Prox
- MIFARE DESFire
- 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 - Black

Keyset (select one option)

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

0 - 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 https://www.hidglobal.com/documents/iclass-se-configuration-guide 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 0 = 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 | SEC9X-CRD- | 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 | | E = HID Elite Key ² | -P001 = HID Elite credential keys | |
| HID Elite Downgrade Cards ³ | | E = HID Elite Key ² | -P002 = Standard reader admin keys | |
| Setup iCLASS SE or multiCLASS SE readers for standard credential keys or reader admin keys | SEC9X-CRD- | 0 = Standard-1 key or standard-2 key | -P003 = Standard-1 credential keys -P004 = Standard-2 credential keys | |

¹ Configuration Settings

All standard readers ship with the following features - 13.56 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/documents/iclass-se-configuration-guide. 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.

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

³ HID 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-XXXX(0, 1, 2, 3) is also required to modify configuration options other than Elite keys, for example modification of 125 kHz or 13.56 MHz interpreters.

⁴ Keys

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

² Keys



Accessories

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

| Part Number | Description |
|------------------------------|--|
| Mounting Plates, Spacers, Sc | rews 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 Metallic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model R10 or RP10 | BLEOSDP-UPG-A-900 |
| Reader Module and Metallic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model R15 or RP15 | BLEOSDP-UPG-A-910 |
| Reader Module and Metallic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model R40 or RP40 | BLEOSDP-UPG-A-920 |
| Reader Module and Metallic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model RK40 or RPK40 | BLEOSDP-UPG-A-921 |



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:

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

00 = Beep on, LED normally red, reader flashes green on tag read 04 = Beep on, LED normally red, host must flash green

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

02 = Beep on, LED normally off, reader flashes green on tag read 06 = Beep on, LED normally off, host must flash red and/or green

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

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

² Consult Factory

³ An 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 factory for pricing and lead-times.



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:

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

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

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

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

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

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

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

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

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

² Consult Factory

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 | Configuratio Setting Option | | 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) | 01 02 | 04 05 06 07 | XXXX Y |
| ProxPro Proximity Reader ^{5,6} with Wiegand output with Clock & Data Output | 5355 5358 | A | G = Charcoal Gray | N = No Keypad, Terminal Strip K = Keypad³, Terminal Strip | 10 14 20 | 09 11 19 21 23 | XXXX Y |
| ProxPro Proximity Reader with Serial output ⁷ | 5352 | A | B = Beige | S = Keypad ⁴ , Terminal Strip | 10 14 20 | 09 11 19 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 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

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

00 = Buffer one key, no parity, 4 bit message

09 = Buffer one key, add compliment, 8 bit message (Dorado)

10 = Buffer six keys and add parity

11 = Buffer one key and add parity

14 = Buffer one to five keys (Standard 26 bit output)

19 = Buffer four keys and add parity

20 = Single Key buffering

21 = Supervision Mode

23 = Buffer one to 11 keys

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

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

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

² Consult Factory

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

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

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

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

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



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:

¹ Configuration 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

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

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

² Consult Factory



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:

¹ Configuration 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.

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

² Consult 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 | U0 | XXXX Y |

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

Notes:

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

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

² Consult Factory



HID Proximity Reader Accessories

| Part Number | Description |
|-----------------------|--|
| ProxPro Family | |
| 5455AGM00 | 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 |
| 5395-104-04 | Classic cover, ThinLine II Reader (Rev. C) - Charcoal Gray |
| New Look ² | Designer sourt Third in all Deader (Dev. C). Plants |
| 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 |



| Part Number | Description |
|-----------------------|--|
| 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) |

¹ MiniProx 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).

³ ProxPoint 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:

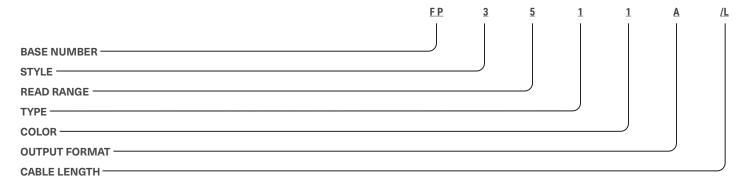
- BASE MODEL NUMBER
- STYLE
- READ RANGE
- TYPE
- COLOR
- OUTPUT FORMAT (reader's format or format number must also be given at time of order)

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 |



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
- **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
- **B** = Buffered or 8-Bit Burst (must be specified) available only in Keypad STYLE and TYPE (Membrane or Heavy Duty)
- M = 3 x 4 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 |

Section **02**HID Mobile Access





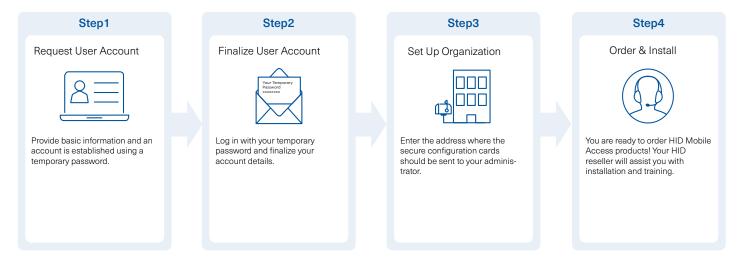
What is Mobile Access from HID?

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.
- · Mobile end point:
 - HID Mobile Access app: Easily downloaded on <u>Google Play</u> and <u>Apple App Store</u> and proven compatibility with the most popular mobile phones, tablets, and wearables.
 - HID Technology Partner app: With support for mobile access. For example, solutions for commercial real estate/prop tech, building automation and controls, app consolidation for corporations, and more.
 - · Mobile Wallet: Currently supporting Apple Wallet and Google Wallet.
- · Mobile IDs: Powered by Seos credential technology, Mobile IDs are the virtual equivalent of the traditional contactless smart card.
- Signo™ iCLASS SE® and multiCLASS® SE Readers: These flexible readers can be configured to securely authenticate with an organization's Mobile IDs via Bluetooth Smart and/or NFC communication standards.

Creating a 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:

| Identifier | 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. |



Selecting the Right Mobile Access Subscription Type

HID Origo Mobile Identities is a Software as a Service (SaaS) model where you purchase subscription user licenses.

The differences between the three tiers of product subscriptions are noted in the feature matrix below. Note that these tiers are not available in all the product subscriptions.

| Features | Essentials | Enterprise | Premium | |
|-------------------------------|------------|------------|-----------|--|
| Platform Service | | | | |
| Formats per org | 1 | Unlimited | Unlimited | |
| MOB keys per org | 1 | Unlimited | Unlimited | |
| # Credentials per user | 1 | 10 | 10 | |
| # Devices per user | 1 | 5 | 5 | |
| Opening features | | | | |
| Тар | Yes | Yes | Yes | |
| Twist & Go | No | Yes | Yes | |
| Widget | No | Yes | Yes | |
| NFC on iOS | No | No | Yes | |
| Portal features | | | | |
| Photo ID | Yes | Yes | Yes | |
| Enterprise policy enforcement | No | Yes | Yes | |
| Custom Data | No | Yes | Yes | |
| Analytics | No | Yes | Yes | |
| Custom invitation email | No | Yes | Yes | |
| Credentials in Apple wallet | No | No | Yes | |

HID Mobile Identities Part Numbers

Currently there are two types of contract for purchasing subscription user licenses:

Prepaid Subscription

You purchase a set of subscription user licenses which is then consumed as you activate users (active credentials in their device). The Minimum Order Quantity (MOQ) for the Purchase Order (PO) is 20. Your subscription will be automatically renewed unless otherwise stated. There are two period terms, one year or thee years.

HID offers three tiers of product subscriptions, Essentials, Enterprise, and Premium. Note that you can only subscribe for one tier.

| Essentials 1 year | MID-SUB-T050 | Enterprise 1 year | MID-SUB-T100 |
|--------------------------------|------------------|--------------------------------|------------------|
| Essentials 1 year add on users | MID-SUB-T050-ADD | Enterprise 1 year add on users | MID-SUB-T100-ADD |
| Essentials 3 year | MID-SUB-T053 | Enterprise 3 year | MID-SUB-T103 |
| Essentials 3 year add | MID-SUB-T053-ADD | Enterprise 3 year add | MID-SUB-T103-ADD |

Activation Based Subscription

You place a Purchase Order (PO) with an order quantity equal to 1, just to establish the contract, the part numbers below, and the pricing. The subscription will be indefinitely valid until year 2099. You will be charged monthly, in-arrears, only for users that have an active mobile access credential in their device at some point during the invoiced calendar month.

HID offers two tiers of product subscriptions, Enterprise and Premium, and you are automatically subscribed for both.

| Enterprise 1 month | MID-ACT-T100 |
|--------------------|--------------|
| Premium 1 month | MID-ACT-T200 |
| Apple fee 1 year | FEE-AAPL-01 |



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 IDs. 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>HID Signo Readers,</u> iCLASS SE Readers | |
| Mobile-Enabled Readers | Mobile-Enabled readers are 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 HID Mobile Access or HID Elite program. MOB or ICE Mobile Keyset will be required at time of order. | See <u>HID Signo Readers,</u> iCLASS SE Readers | MOB or ICE: Org Name: |
| Mobile Key Card Note: Only suitable for iCLASS SE Readers (Use HID Reader Manager for HID Signo) | 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: |



Ordering Information – Mobile Identities Service

Natively tracked formats (e.g. Corporate 1000TM) 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.

| Prepaid One & Three Year User License Subscriptions | | | | |
|--|---|---|--|--|
| Order Type | Details | Part Number | Supplemental Information Needed for Order | |
| Initial Order | When starting a one or three year subscription for HID Origo Mobile Identities, an order for User Licenses must be placed. The Minimum Order Quantity (MOQ) is 20. The service start date begins on the date the order is processed by HID. User Licenses will be valid for one or three years and the service term end date will be set to the last day of month. | 1-year subscription MID-SUB-T050 MID-SUB-T100 3-year subscription MID-SUB-T053 MID-SUB-T103 | Org ID: Org Name: MOB or ICE: Format*: Subscription Start Date: (Optional) (DD MMMM, YYYY) | |
| Adding Additional User Licenses | 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 the number of whole months remaining in term. They will co-terminate and expire along with previously purchased licenses on the contract. | 1-year subscription MID-SUB-T050-ADD MID-SUB-T100-ADD 3-year subscription MID-SUB-T053-ADD MID-SUB-T103-ADD | Org ID: Org Name: Contract ID: Subscription Start Date: (Optional) (DD MMMM, YYYY) | |
| Changing subscription tier or term midterm | Upgrading from MID-SUB-T05x to MID-SUB-T10x during a subscription term is possible under certain circumstances, e.g. upgraded tier with the same or more end users. This will result in the cancellation of the original contract line, crediting the remaining term time, and generation of a new contract line on the same contract with the upgraded item. Note: An organization cannot be on more than one subscription plan simultaneously. Downgrading from MID-SUB-T10x to MID-SUB-T05x can only be completed at the time of renewal. | Upgrade from MID-SUB-T050 to MID-SUB-T100: MID-SUB-T100-UPG Upgrade from MID-SUB-T053 to MID-SUB-T103: MID-SUB-T103-UPG | Org ID: Org Name: Contract ID: Subscription Start Date: (Optional) (DD MMMM, YYYY) | |
| Adding 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*: | |
| Renewal | When renewing a subscription for HID Origo Mobile Identities service, an order for User Licenses must be placed. A change in HID reseller will generate a new contract ID. | 1-year subscription MID-SUB-T050 MID-SUB-T100 3-year subscription MID-SUB-T053 MID-SUB-T103 | Org ID: Org Name: | |
| Changing subscription tier or term at the renewal date | To change between subscription plans at renewal, please order the corresponding part number and the number of licenses needed. This will generate a new contract ID. | 1-year subscription MID-SUB-T050 MID-SUB-T100 3-year subscription MID-SUB-T053 MID-SUB-T103 | Org ID: Org Name: MOB or ICE: Format*: | |
| | Activation Based Subscription | ıs | | |
| Initial Order | When starting an Activation Based subscription for HID Origo Mobile Identities, an order for User Licenses must be placed with an order quantity equal to 1, just to establish the contract, the part numbers, and the pricing. The service start date begins on the date the order is processed by HID. User Licenses will be indefinitely valid and the service term end date will be set to 2099. Monthly in arrears invoices will be automatically sent regarding the monthly consumption for the previous calendar month. | 1-month subscription MID-ACT-T100 MID-ACT-T200 1-year Apple fee FEE-AAPL-01 | Org ID: Org Name: MOB or ICE: Format*: Subscription Start Date: (Optional) (DD MMMM, YYYY) | |



Preparing for Renewal

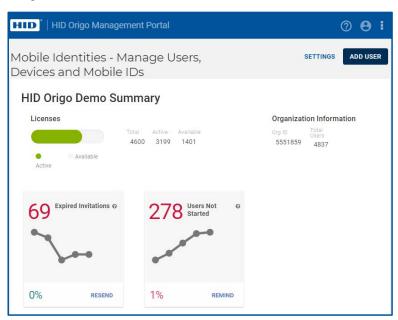
For your convenience, subscription contracts can be set to auto or manual renewal. For those with manual renewals it's important that any changes are captured, that key information is supplied, and that the renewal order is placed early enough to be processed by HID prior to the expiration date. We recommend that end user administrators place renewal orders with their HID resellers at least a month prior to expiration.

Should you have any questions, the HID Mobile Access FAQ is a great starting point.

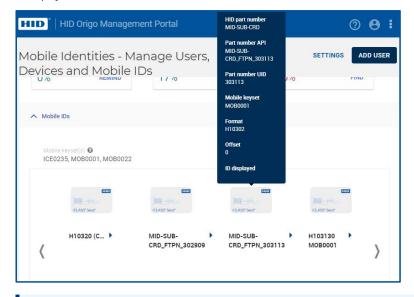
https://doc.origo.hidglobal.com/faq/portal/HID_Mobile_Access_FAQ.pdf

To find your MOB-key, facility code, or format:

- As an End User administrator, log in to the HID Origo Portal: https://cloudservices.hidglobal.com/mobile-identities/#/home
- 2. Select the Mobile Identities Services option. This will take you to Mobile Identities Manage Users, Devices and Mobile IDs. The organization summary section displays license information, including:
 - a. License counts e.g. Total, Active, and Available Licenses
 - b. Org ID



3. Information about your current MOB-key, facility code, and format is available in the **Mobile IDs** section. Hover over the card image to display all relevant information.



Note: To avoid delays, please include all relevant information when contacting your reseller.

Section 03 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 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/EV3 (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 | Seos (+ Prox) |
| | • iCLASS SE (+ Prox) |
| | • iCLASS SIO encoded (+ Prox) |
| | • iCLASS (+ Prox) |
| | MIFARE Classic (+ Prox) |
| | MIFARE DESFire EV1/EV3 (+ Prox) |
| Version 2 | Seos (+ Prox) |
| | • iCLASS SE (+ Prox) |
| | MIFARE Classic (+ Prox) |
| | MIFARE DESFire EV1/EV3 (+ 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 https://www.hidglobal.com/solutions/elite-key
- Ensure the HID Elite flag is set in the part number (of readers, credentials and configuration cards).
- · All Purchase Orders for HID Elite components must be ordered with the HID Elite reference number (starts with ICE).



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 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 Seos only cards.
- 4. Once all cards in the population are Seos, readers can be configured to support only 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 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 Seos, iCLASS SE and iCLASS credentials?

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 in its delivery of data between the smart card and the reader which helps to prevent sensitive/personal data from being intercepted or cloned. 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 |
|------------------|---|---|--|--|
| Seos Card | Seos | Yes | No | Advanced 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.



Credentials Marking

Standard physical credentials are printed with the HID logo (with basic technology identifiers) and dynamic (laser marked) information such as the sales order number, format ID number range (e.g., matching, non-matching etc.), along with other additional markings used to identify certain programming attributes. For information on card identification markings, please see, please see *HID Global Credential Identification Markings Application Note* (AN0109).

Non-Matching ID Number Marking

If you wish to order a non-programmed credential (such as Seos genuine media "V" part number or unprogrammed DESFire EV3) but would like a printed number range (for example, to match later field programmed values), please select the sequential, non-matching part number option and provide the desired printed range on your order.

Sales Order Number Marking

Regardless of the programming option selected, most credentials include a printed sales order number; if you do not want the sales order number printed, please request a custom part number through your local HID customer service team.

Credential Marking Technology

As a part of our commitment to continuous enhancements of world-class products and solutions, HID Global has completed the transition to laser card marking technology.

This state-of-the-art laser engraving technology results in a more appealing look and feel and reduces the ecological footprint of card production.

Key benefits:

- · Marking quality and durability of the cards will be enhanced and more consistent.
- · New engraving technology reflects HID Global's commitment to sustainability by eliminating the use of solvents.
- · Improved Proof-of-Authenticity since engraved markings cannot be removed or modified.

Existing Inkjet Part Numbers

HID will continue to supply ink jet-based part numbers but with laser marking as we have been doing already, in many locations. Over time we will phase out ink jet part numbers and replace them with laser marked part numbers. No action is required at this time, you may continue to order ink jet part numbers.

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 (for example, 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

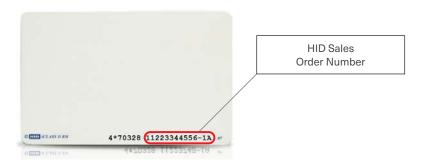
Many formats share the same bit length but differ in structure and for this reason it is not possible to determine the required format number from the bit length alone. If an incorrect format is programmed into the card may not operate correctly with the access control system.



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 inhouse 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/solutions/corporate-1000

Common Formats

HID has many active Corporate 1000, OEM and open formats. A list of common formats is 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 | 0-99999999 (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.

^{*} Prior to March of 2015, all Corporate 1000 formats were assigned using the 35 bit structure. From March 2015 all Corporate 1000 formats use a 48 bit structure. No new H5 formats will be created although they remain available. For further information refer to HID Corporate 1000 Program Frequently-Asked Questions (PLT-02372).



Format Compatibility

HID Global formats for example H10301, H10302 and Corporate 1000 are compatible across multiple credential product lines such as 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 |
| | | iCLASS, iCLASS SE, Seos | HID Signo/iCLASS SE |
| 1110 | H10301,H10302, | MIFARE Classic with SIO encoding | HID Signo/iCLASS SE |
| HID | H10304, 35-bit Corporate 1000 & OEM formats | MIFARE DESFire with SIO encoding | HID Signo/iCLASS SE |
| 1.000 | | 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 |
| EM | 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/EV3 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 |
|-------------------------|--|-----------------------------------|--|
| Long Formats (>37-bits) | H2xxxxx 48-bit Corporate 1000, all other formats >37 bits | | eProx Lock, Serial ProxPro®, EntryProx™, ProxPass™ II |



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 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 |
| | |
| | |

| Quantity | |
|----------|--|
| 500 | |

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

Part Number: 5006PGGNN (programmed 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

| 0999123 |
|----------------------|
| HID Elite ICE number |
| ICE0999 |

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

| 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.



Eco Credentials

Seos Bamboo Card manufactured with sustainable FSC certified natural bamboo - 574

Slot punched contactless smart card manufactured from sustainable FSC certified natural bamboo. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

| Base Model | [| × 574 | | | | | | | | | | | |
|---|-----------|--------------------------------|-------------|-------|-----------|-----------|--|-----------------|------------|----------------|--|--|--|
| Memory Size ☑ 6 - 8K Bytes | | | | | | | A C | Back | | Front | | | |
| Secure Identity Object Progr P - Programmed with Secur | e Identit | y Object (SIC | 0) | | | | YYY 12345 YYYYYYYYYYYY | | | | | | |
| V - Unprogrammed, for use with iCLASS SE Encoder Front Packaging ☑ G - Bamboo¹ with Seos logo | | | | | | | | 8") | | | | | |
| Back Packaging G - Bamboo¹ | | | | | | | | | | | | | |
| Card Numbering² (Select one N - No external ID number (A - Sequential Matching Encoded/Sec | SO Num | ber not print Printed (Lase | r Engraved) | | | 5mm (0.65 | 5") | | → | 5.4 cm (2.13") | | | |
| C - Random Encoded/Non- | - | | _ | | - | | YYY = Seos Programming | | | | | | |
| Slot Punch V - Vertical Slot Punch | | | | | | | 12345 = Card ID Number YYYYYYYYYYY = Sales Order Number | | | | | | |
| Enter your final card options | from t | he check bo | oxes above. | Examp | le: 5746l | PGGNV | | | | | | | |
| Final Part Number | | 574 | 6 | | | | G | G | N | V | | | |
| Seos Programming Info | matio | n | | | | | | | | | | | |
| Format Number | | lame(s) cility Code | Va | alue | QT | ' | Enco | ded Start Numbe | r Encoded | Stop Number | | | |
| HID Elite ICE | | | | | | | Printe | ed Start Number | Printed St | top Number | | | |

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.

¹ Bamboo is a natural material; variations in color and texture are expected.

² A sales order number and dynamic identifiers are printed on the card, unless indicated otherwise.



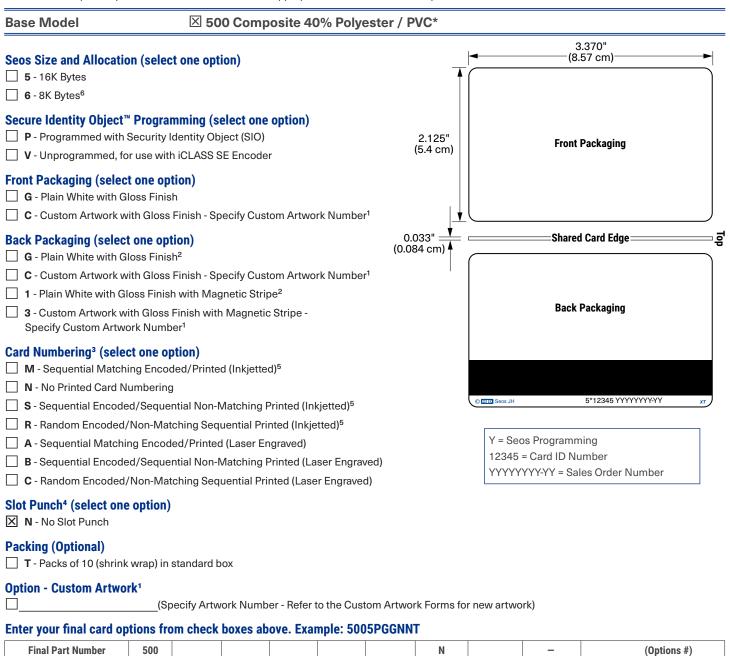
Seos Credentials

Note: See "Understanding HID Credentials" on page 56 for guidance.

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.





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 |
| | | | | | |

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

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

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

⁴ Cards are not available with any slot punch option.

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

⁶ 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 details.



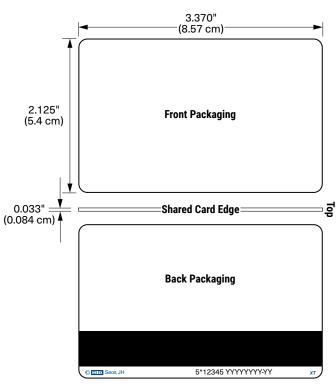
Seos + iCLASS Card - 522

Option - Custom Artwork¹

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% Polyeste | er / PVC* | |
|--|--|--------------------|--|
| Seos and Memory Size ar ☑ 6 - 8K Bytes ⁶ | d Allocation | - | 3.3 (8.5 |
| □ 0 - iCLASS 2k Bits (256 E □ 3 - CLASS 32k Bits (4K B □ 4 - CLASS 32k Bits (4K B Seos Programming (select □ P - Programmed with Se | curity Identity Object (SIO) | 2.125" (5.4 cm) | Front Pa |
| iCLASS Programming (se ☐ S - Programmed with Se | curity Identity Object (SIO) | 0.033" (0.084 cm) | Shared C |
| ☐ P - Programmed with Se☐ H - Programmed with sta | SS Access Control Application (recommended) curity Identity Object (SIO) andard iCLASS Access Control Application use with iCLASS SE Encoder | | Back Pa |
| Front Packaging (select of G - Plain White with Glos C - Custom Artwork with | | 1 | |
| 1 - Plain White with Glos | s Finish ² Gloss Finish - Specify Custom Artwork Number ¹ s Finish with Magnetic Stripe ² Gloss Finish with Magnetic Stripe - | | Y = Seos Programmii 12345 = Card ID Nun YYYYYYYYY = Sale |
| ☐ B - Sequential Encoded/ | • • | | |
| B - Sequential Encoded/ | | • | |



ng nber s Order Number

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



Enter your final card options from check boxes above. Example: 52263PSGGAAN

| Final Part Number | 522 6 | | | | N | _ | (Options #) |
|-------------------|-------|--|--|--|---|---|-------------|
|-------------------|-------|--|--|--|---|---|-------------|

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 |
| | | | | | |

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

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

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

⁴ Cards are not available with any slot punch option.

⁵ Inkjetted option is not available for these cards.

⁶ 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 details.

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



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 C | Compos | ite 40% | Polyes | ster , | / PV | C* | | | | | |
|--|--|---|--|---------------------------------------|-----------------------------------|-----------------|-------|-------------------------------|----------------|-------------|--------|---|-------------|
| Seos Memory Size and A 5 - 16K Bytes 6 - 8K Bytes ⁶ | llocatio | n (select | one opti | on) | | | | | - | | | 3.370" (8.57 cm) | > |
| Programming (select one □ P - Programmed with So HID Prox non programm □ R - Both interfaces prog 125 kHz programmed w □ V - Unprogrammed Seo | ecurity Id ned rammed: vith HID c | entity Objo Seos with r Indala fo | n Security ormat | | | | | 2.125" (5.4 cm | | | | Front Packaging | |
| Front Packaging (select G - Plain White with Glo C - Custom Artwork wit | ss Finish | · | ecify Cust | om Artwo | rk Numbe | er ¹ | | 033" = 84 cm) ⁴ | | | | —Shared Card Edge | |
| Back Packaging (select of G - Plain White with Gloon C - Custom Artwork with Gloon 3 - Custom Artwork with Specify | ss Finish h Gloss F ss Finish n Gloss F | inish - Spe with Magi inish with | netic Strip | e ² | rk Numbe | er ¹ | | | | | | Back Packaging | |
| Seos Card Numbering ³ (s | g Encode | - | • | d) ⁵ | | | | | © E | HID Seos JH | 1 | 5*12345 YYYYYYYY | YYY XT |
| ■ N - No Printed Card Nut ■ S - Sequential Encoded ■ R - Random Encoded/N ■ A - Sequential Matching ■ B - Sequential Encoded ■ C - Random Encoded/N | /Sequen Ion-Matc g Encode /Sequen | hing Sequ d/Printed tial Non-W | ential Prir (Laser En latching P | nted (Inkje graved) Printed (La | etted) ⁵ iser Engra | | | | | 12345 | 5 = Ca | rogramming ard ID Number -YY = Sales Order Numb | er |
| Slot Punch⁴ ☑ N - No Slot Punch | | | | | | | | | | | | | |
| 125 kHz Card Numbering M - Sequential Matchin N - No Printed Card Num S - Sequential Encoded R - Random Encoded/N A - Sequential Matching | g Encode mbering /Sequent Ion-Matc | ed/Printed tial Non-W hing Sequ | I (Inkjetted Iatching P Iential Prir | Printed (Inl | | | (Lase | er Engra | ved) Encode | | · | ntial Non-Matching Print | |
| Option - Custom Artwork | | cify Artwo | ork Numbe | er - Refer t | to the Cus | stom / | Artwo | rk Form | s for ne | ew artw | vork) | | |
| Enter your final card opti | I | n check l | ooxes ab | ove. Exai | mple: 51 | 05PG | GNN | | | | | I | /0 ct |
| Final Part Number | 510 | | | | | | | N | | | _ | | (Options #) |



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 |
| | | | | | |

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 |
| | | | | | |

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

PLT-02630, Rev D.8 71 April 2024

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

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

⁴ Cards are not available with any slot punch option.

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

⁶ 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 details.

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



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 Solution Solut | |
|--|---|
| Seos Memory Size and Allocation ☑ 6 - Seos 8K Bytes ⁶ | 3.370" (8.57 cm) |
| iCLASS Memory Size and Allocation 0 - iCLASS 2k Bits (256 Bytes) with 2 Application Areas 3 - CLASS 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - CLASS 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Seos Programming (select one option) | Front Packaging |
| ▶ - Programmed with Security Identity Object (SIO) V - Unprogrammed, for use with iCLASS SE Encoder | |
| iCLASS Programming (select one option) S - Programmed with Security Identity Object (SIO) and with standard iCLASS Access Control Application (recommended) P - Programmed with Security Identity Object (SIO) H - Programmed with standard iCLASS Access Control Application C - Unprogrammed, for use with iCLASS SE Encoder | Shared Card Edge Back Packaging |
| 125 kHz Programming (select one option) ☐ P - Programmed with HID or Indala format ☐ N - HID Prox unprogrammed 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 | Y = Seos Programming |
| Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ | 12345 = Card ID Number YYYYYYYYYY = Sales Order Number |
| Seos Card Numbering³ (select one option) N - No Printed Card Numbering A - Sequential Matching Encoded/Printed (Laser Engraved)⁴ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)⁴ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)⁴ | |
| iCLASS Card Numbering³ (select one option) □ N - No Printed Card Numbering □ A - Sequential Matching Encoded/Printed (Laser Engraved)⁴ □ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)⁴ □ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)⁴ Prox Card Numbering³ (select one option) □ N - No Printed Card Numbering □ A - Sequential Matching Encoded/Printed (Laser Engraved)⁴ □ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)⁴ | |

☐ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)⁴



| Slot Punch⁵ ☑ N - No Slot Punch | | | | | | | | | | | | | |
|----------------------------------|-----------------------------|----------|-------------|----------|--------|--------|--------|----------|---------|--------|-------|---------------------|----|
| Option - Custom Artwork | (Specify Artwo | ork Numb | oer - Refer | to the C | Custom | Artwor | k Form | s for ne | w artwo | ork) | | | |
| Enter your final card opti | | | | | | | | | | · | | | |
| Final Part Number | 520 6 | | | Ì | | | | | | N | _ | (Options | #) |
| | | | | | | | | | | | | | |
| Seos Card Programm | ing Informatio | n | | | | | | | | | | | |
| Format Number | Field Name(s) Facility Code | e.g. | Value | ; | | ΥΥ | | Enco | ded St | art Nu | ımber | Encoded Stop Number | er |
| HID Elite ICE number | | | | | | | | Print | ed Stai | t Nun | nber | Printed Stop Number | |
| | | | | | | | | | | | | | |
| iCLASS Card Program | nming Informat | tion | | | | | | | | | | | |
| Format Number | Field Name(s) Facility Code | e.g. | Value | | G | QTY | | Enco | ded St | art Nu | ımber | Encoded Stop Number | ər |
| | | | | | | | | | | | | | |
| HID Elite ICE number | | | | | | | | Print | ed Stai | t Nun | nber | Printed Stop Number | |
| | | | | | | | | | | | | | |
| 125 kHz Card Program | nming Informa | tion | | | | | | | | | | | |
| | Field Name(s) | 0.0 | | | | | | | | | | | |
| Format Number | Facility Code | e.g. | Value | | 0 | QTY | | Enco | ded St | art Nu | ımber | Encoded Stop Number | er |
| | | | | | 4 L | | | | | | | | |
| | | | | | | | | Print | ed Stai | t Nun | nber | Printed Stop Number | |
| | | | | | | | | | | | | | |

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

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

⁴ Inkjetted option is not available for these cards.

⁵ Cards are not available with any slot punch option.

⁶ 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 details.

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

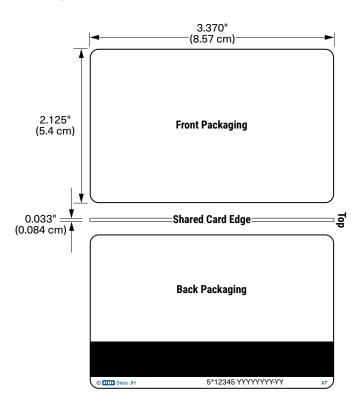


Seos 8K with MIFARE Classic or DESFire EV1 Implementation - 5806/5906

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



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.

× 526 Base Model

Memory Size

6-8K Bytes

Secure Identity Object Programming (select one option)

- P Programmed with Secure Identity Object (SIO)
- ☐ **V** Unprogrammed, for use with iCLASS SE Encoder

Front Packaging

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

Back Packaging

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)

1.56" (39.5 mm) KID

Front Packaging

1.25" (31.75 mm)



Back Packaging



Y = Seos Programming 12345 = Card ID Number

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

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

² 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.



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.

× 565 Base Model **Memory Size ★ 6**-8K Bytes Back Front **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** S - ABS Base with Molded HID Logo seos ☐ 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 | 5656 | | | | | V |
|-------------------|------|--|--|--|--|---|
|-------------------|------|--|--|--|--|---|

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 |
| | | | | | |

¹ For 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.

² The 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.

Secure Identity Object™ programming²

P - Programmed with Secure Identity Object (SIO)

Front packaging

X G - Plain white with gloss finish

Back packaging³

X G - Plain white with gloss finish

Card numbering4 (select one option)

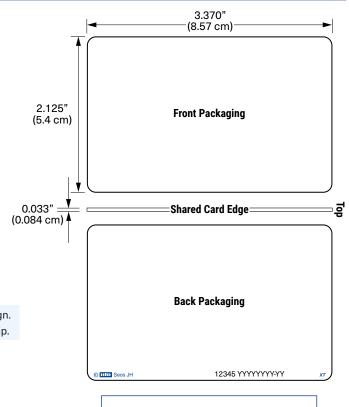
- N No printed card numbering, sales number marking only
- ☐ A Sequential matching encoded/printed (laser engraved)
- B Sequential encoded/sequential non-matching printed (laser engraved)
- □ C Random encoded/non-matching sequential printed (laser engraved)

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 YYYYYYYYYY = Sales Order Number

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

| | | • | • | | | |
|-------------------|-----|---|---|---|---|---|
| Final Part Number | 550 | Р | G | G | N | 1 |

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 |
| | | | | | |

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

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

³ A 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 the sales order number regardless of the card numbering option.

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



Seos Essential + Prox Card - 551

HID Elite ICE #

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.

| Ensure caeri required optio | iii ilaa beeli elleekee | a vvitii tiic a | ppropriate crit | olde to familia t | complete | u oruci | 101111. | | |
|--|---|----------------------------|-----------------|-------------------|--------------------|--------------------|------------------------------------|---------------------|-------------|
| Base Model ⊠ 551 | Composite (40 |)% poly∈ | ester/PVC) | | | | | | |
| Secure Identity Object™ ▼ P - Programmed with S 125kHz programming (second programmed with H | ecure Identity Object elect one option) | | | | _ | <u></u> ← | (| 3.370" (8.57 cm) | - |
| N - HID Prox® unprogra Front packaging | ammed for use with | iCLASS SE | Encoder | | | | | | |
| ⊠ G - Plain white with glo | ss finish | | | | 2.125" (5.4 cm) | | Froi | nt Packaging | |
| Back packaging ³ G - Plain white with glos | ss finish | | | | | | | | |
| Seos card numbering ⁴ (s N - No printed card num | | | g only | 0. | 033" | <u> </u> | Ch o | and Count Educa | |
| ■ A - Sequential matching ■ B - Sequential encoded (laser engraved) ■ C - Random encoded/n (laser engraved) | I/sequential non-ma | tching prin | ited | | 34 cm) 🖡 | | Snai | ed Card Edge | |
| Slot punch N - No Slot Punch | | | | | | | Вас | k Packaging | |
| IMPORTANT: 551 crede Use a bad | ntials do not allow a ge holder to attach t | | | | | | | | |
| 125kHz card numbering ☐ N - No printed card num ☐ A - Sequential matching ☐ B - Sequential encoded (laser engraved) | mbering, sales numb g encoded/printed (l/sequential non-ma | per marking laser engra | aved) ated | | | 1 | 12345 = Card ID I YYYYYYYYY = S | | |
| C - Random encoded/n (laser engraved) | non-matching seque | ntial printe | d | | | L | | | |
| Enter your final card opt | ions from check b | oxes abo | ve. For exam | ple, 551PPG | GANA | | | | |
| Final Part Number | 551 | Р | | G | (| G | | N | |
| Seos Programming I | nformation | | | | | | | | |
| Format Number | Field Name(s) Facility Code | e.g. | Value | QTY | | Encod | ded Start Numbe | er Encoded | Stop Number |

Printed Start Number

Printed Stop Number



125kHz 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 |
| | | | | | |

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

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

³ A 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 the sales order number regardless of the card numbering option.

⁴ The 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.

| Base Model | | 300 Sta | ndard P\ | /C | □ 305 | Composi | te 40% Po | olyeste | r / PVC* | | |
|--|---------------------|------------------------|-------------------|------------------------|--------------|-------------------|-----------------|-------------|-----------------------|----------------|--|
| iCLASS Memory Size and A 0 - 2k Bits (256 Bytes) with 3 - 32k Bits (4K Bytes) App 4 - 32k Bits (4K Bytes) App | n 2 Application | on Areas s 16k/2+16 | 6k/1 | | | | | | | | |
| Secure Identity Object Prop P - Programmed with Security V - Unprogrammed, for us | urity Identity | - | | | | 2.125" 5.4 cm) | Front Packaging | | | | |
| Front Packaging (select on G - Plain White with Gloss C - Custom Artwork with C | Finish | Specify Cu | ıstom Artw | ork Numbe | -1 | <u> </u> | • | (| 3.370" (8.57 cm) | | |
| Back Packaging (select on ☐ G - Plain White with Gloss ☐ C - Custom Artwork with C | Finish ² | Specify Cu | ıstom Artw | ork Numbe | 0.0 (0.08 | | | | | | |
| ☐ 1 - Plain White with Gloss☐ 3 - Custom Artwork with G Specify Custom Artwork N | Gloss Finish v | • | • | | | | | Bac | k Packaging | ı | |
| Card Numbering³ (select of M - Sequential Matching In N - No Printed Card Numbers | Encoded/Pri | nted (Inkjet | ted) ⁷ | | | | 01 | o-Fignal | NA ONE-LO | OTRIDE | |
| S - Sequential Encoded/S | _ | n-Matching | g Printed (Ir | nkjetted) ⁷ | | | | | MAGNETIC SH ENERGY | | |
| R - Random Encoded/Nor | | | | | | C | HID iCLASS | 1 | 2345 | 12345 ҮҮҮҮҮҮҮҮ | |
| A - Sequential Matching EB - Sequential Encoded/SC - Random Encoded/Nor | equential No | n-Matching | g Printed (L | aser Engra | • | | 12345 = | ASS Progr | Number | N | |
| Slot Punch⁵ (select one op N - No Slot Punch. This ca B - No Slot Punch. This ca V - Vertical Slot Punch H - Horizontal Slot Punch | rd can be slo | | | | | | 77777 | 1 1-1 Y = S | Sales Order | number | |
| Option - Custom Artwork¹ | (Specify A | rtwork Nun | nber - Refer | to the Cus | tom Artworl | c Forms for | new artwork |) | | | |
| Enter your final card option | ns from che | ck boxes a | above. Exa | ample: 300 | 0PGGNN | | | | | | |
| Final Part Number | | | | | | | | _ | | (Options #) | |



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 |
| | | | | | - |

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

PLT-02630, Rev D.8 81 April 2024

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

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

⁴ For Laser Engraved Printed numbers, contact customer service for lead times and cost.

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

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

⁷ Please note that cards shipped within 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

☐ 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)

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 optic | of the section colored with the appropriate choice to te | iiiii a compicted c | Jidei ioiiii. | | |
|---|---|---------------------|------------------------|--|-----|
| Base Model | ☑ 315 Composite 40% Polyeste | er / PVC* | | | |
| □ 0 - 2k Bits (256 Bytes) v □ 3 - 32k Bits (4K Bytes) v □ 4 - 32k Bits (4K Bytes) v Secure Identity Object P □ P - Programmed with S 125 kHz HID Prox unpr □ R - Both interfaces prog | Application areas 16k/2+16k/1 Application areas 16k/16+16k/1 Programming (select one option) Security Identity Object (SIO), | 2.125" (5.4 cm) | | Front Packag | ing |
| Front Packaging (select G - Plain White with Glo | one option) | 0.033" | - | 3.370" (8.57 cm) | , |
| 1 - Plain White with Glo | oss Finish ² th Gloss Finish - Specify Custom Artwork Number ¹ oss Finish with Magnetic Stripe ² th Gloss Finish with Magnetic Stripe - | (0.084 cm) | | Back Packagi | ing |
| | Numbering ³ (select one option) ng Encoded/Printed (Inkjetted) ⁵ | | | TIONAL MAGNET CO/HIGH ENERO | |
| S - Sequential Encoded/I R - Random Encoded/I A - Sequential Matchin B - Sequential Encoded | d/Sequential Non-Matching Printed (Inkjetted) ⁵ Non-Matching Sequential Printed (Inkjetted) ⁵ Ig Encoded/Printed (Laser Engraved) d/Sequential Non-Matching Printed (Laser Engraved) Non-Matching Sequential Printed (Laser Engraved) | 4 | Y = iCLAS 12345 = 0 | S Programming Card ID Number Y-YY = Sales Orde | |
| Slot Punch ⁴ (select one N - No Slot Punch. This V - Vertical Slot Punch | option) s card can be slotted vertically, Printed Vertical Slot Inc | dicators | | | |
| N - No Printed Card NuS - Sequential Encoded | ng Encoded/Printed (Inkjetted) ⁵ | | | | |



| Option - Custom Artwork | k¹ | | | | |
|---------------------------|-------------------------------------|---------------------|---------------|------------------------|---------------------------------------|
| | (Specify Artwork Number | er - Refer to the C | ustom Artwork | Forms for new artwork) | |
| Enter your final card opt | ions from check boxes abo | ove. Example: 3 | 150PGGNNN | | |
| Final Part Number | | | | _ | (Options #) |
| iCLASS Card Prograr | mming Information | | | | |
| 3 | 3 | | | | |
| 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 |
| 405111.0.110 | | | | | |
| 125 kHz Card Prograi | mming information | | | | |
| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
| | | | | Printed Start Number | Printed Stop Number |
| | | | _ | | · · · · · · · · · · · · · · · · · · · |

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

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

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

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

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

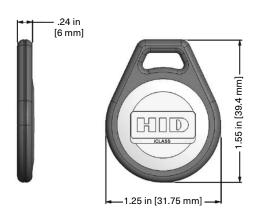


iCLASS SE Key - 325

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.

X 325 Base Model 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) ☐ **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 **Key Numbering** ■ 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)



Shown - Front Packaging Option N

Additional Options³

X N - None

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

| Final Part Number | 325 | | | N | N | | N | |
|-------------------|-----|--|--|---|---|--|---|--|
|-------------------|-----|--|--|---|---|--|---|--|

iCLASS Key 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 |

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

PLT-02630, Rev D.8 84 April 2024

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

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



iCLASS SE Tag - 330

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.

| iCLASS Memory Size and 0 - 2k Bits (256 Bytes) wit 3 - 32k Bits (4K Bytes) Ap 4 - 32k Bits (4K Bytes) Ap | h 2 Applicati plication are plication are | on Areas as 16k/2+1 as 16k/16+ | 6k/1 16k/1 | | | | <i> </i> ` | HID [®] | y Tu | 1.285" (32.639mm |
|--|---|--------------------------------------|---------------|-------|---------------|-------------|-----------------|------------------|---------|---------------------|
| Secure Identity Object Pro ☐ P - Programmed with Sec ☐ V - Unprogrammed, for us | ure Identity | Object (SIO |)). |) | | | | TAG | | (02.0031111) |
| Front Packaging (select of K - Black with HID Standar C - Custom Artwork - Speleack Packaging S - Adhesive Backing | rd Artwork | Artwork Nu | umber² | | | | Fron | t Packag | ing | 0.070" (1.78 mm) |
| Tag Numbering1(select on | Encoded/Prering Bequential N | on-Matchir | ng Printed | | 4 | | | | | |
| Slot Punch N - None | | | | | | | | | | |
| Option - Custom Artwork¹ Enter your final Tag option | | | | | ustom Artwork | c Forms for | new artwor | k) | | |
| Final Part Number | 330 | | 250101 27 | | S | | N | _ | | (Options #) |
| iCLASS Tag Programm | ing Infori | nation | | | | | | | | |
| Format Number | Field Na e.g. Faci | me(s) lity Code | | Value | QTY | Enc | oded Start I | Number | Encod | ed Stop Number |
| HID Elite ICE # | | | | | | Prin | ted Start No | umber | Printed | d Stop Number |

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



Contact Smart Chip

Magnetic Swipe card

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

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

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

2.125"

(5.4 cm)

(Base)

Back Packaging

12345 YYYYYYYYYYYYY

0.070

(0.18 cm)

3.370" (8.57 cm)



iCLASS SE Clamshell Card - 335

Added security into installations that do not contain standard iCLASS readers, these cards are not available with iCLASS programming.

2.060

(5.23 cm)

(Cover)

Front Packaging

Y = iCLASS Programming

12345 = Card ID Number

YYYYYYYYY = Sales Order Number

3.310

(8.41 cm

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

| V | 225 | Base | NЛ | مطما |
|--------|-------|------|-----|------|
| \sim | .5.55 | Base | IVI | naei |

iCLASS Memory Size and Allocation (select one option) ☑ 0 - 2k Bits (256 Bytes) with 2 Application Areas Secure Identity Object Programming (select one option) ☐ P - Programmed with Security Identity Object (SIO) ☐ V - Unprogrammed, for use with iCLASS SE Encoder

Front Packaging (select one option)

- M Plain White Vinyl with Matte Finish
- G Plain White with Gloss Finish
- ☐ **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

Card Numbering² (select one option)

- N No Printed Card Numbering
- S Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)³
- □ 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: 3350PMSMV

| Final Part Number | 335 | | | 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 |
| | | | | | |

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

PLT-02630, Rev D.8 86 April 2024

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

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



iCLASS SE + MIFARE Classic - 391

The SIO-Enabled iCLASS with MIFARE Classic 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.

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

Base Model □ 391 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE Classic 1K) 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 2.125" Front Packaging **Card Programming (select one option)** (5.4 cm) R - iCLASS programmed with Secure Identity Object (SIO), MIFARE Classic programmed with Secure Identity Object (SIO) P - iCLASS programmed with Secure Identity Object (SIO), MIFARE Classic unprogrammed for use with iCLASS SE encoder 3.370 (HID MIFARE or custom encoding) (8.57 cm) K - iCLASS programmed with Secure Identity Object (SIO), MIFARE Classic programmed with HID MIFARE Classic 0.033" or custom MIFARE Classic (option M or N 2nd HF only). (0.084 cm) A - iCLASS unprogrammed for use with iCLASS SE Encoder, MIFARE Classic programmed with Secure Identity Object (SIO) **B** - iCLASS unprogrammed for use with iCLASS SE Encoder, **Back Packaging** MIFARE Classic unprogrammed for use with iCLASS SE encoder (HID MIFARE or custom encoding) MIFARE Classic unprogrammed for use with iCLASS SE encoder (SIO, HID MIFARE or custom encoding) MIFARE Classic (select one option) 12345 HID iCLASS M - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits) ■ N - MIFARE Classic 4K Bytes 12345 = Card ID Number Front Packaging (select one option) 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 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number¹



| iCLASS SE Card Numberin | • | · ′ | | | | | | | |
|--------------------------------------|--|--------------------------|-----------------------------|-----------------|---------|---------------|----------|-----|---------------------|
| M - Sequential Matching | | (Inkjetted) ⁶ | 3 | | | | | | |
| N - No Printed Card Numl | bering | | | | | | | | |
| S - Sequential Encoded/S | Sequential Non-Ma | atching Pri | nted (Inkjetted | d) ⁵ | | | | | |
| R - Random Encoded/No | n-Matching Seque | ential Printe | ed (Inkjetted) ⁵ | | | | | | |
| ☐ A - Sequential Matching B | Encoded/Printed (| Laser Engr | raved) | | | | | | |
| ☐ B - Sequential Encoded/S | Sequential Non-Ma | atching Pri | nted (Laser Er | ngraved) | | | | | |
| C - Random Encoded/No | n-Matching Seque | ential Printe | ed (Laser Eng | raved) | | | | | |
| Slot Punch | | | | | | | | | |
| IMPORTANT: Dual High F HID recomn | requency credenti nends using a bad | | | | | | | | |
| N - No Slot Punch | | | | | | | | | |
| MIFARE Classic Card Num | bering³ (select o | ne option | 1) | | | | | | |
| ☐ M - Sequential Matching | Encoded/Printed | (Inkjetted) ⁵ | 5 | | | | | | |
| ■ N - No Printed Card Numl | bering | | | | | | | | |
| S - Sequential Encoded/S | Sequential Non-Ma | atching Pri | nted (Inkjetted | d) ⁵ | | | | | |
| R - Random Encoded/No | n-Matching Seque | ential Printe | ed (Inkjetted) ⁵ | | | | | | |
| ☐ A - Sequential Matching E | Encoded/Printed (| Laser Engr | raved) | | | | | | |
| ☐ B - Sequential Encoded/S | Sequential Non-Ma | atching Pri | nted (Laser Er | ngraved) | | | | | |
| C - Random Encoded/No | n-Matching Seque | ential Printe | ed (Laser Eng | raved) | | | | | |
| Option - Custom Artwork ¹ | | | | | | | | | |
| | (Specify Artwo | k Number | - Refer to the | Custom Artw | ork For | ms for new ar | twork) | | |
| Enter your final card option | ns from the abov | e selection | ons. Example | e: 3914RNG | CMNM | l | | | |
| Final Part Number | | | | | N | | _ | | (Options #) |
| | | | | | | | | | |
| iCLASS SE Card Progra | amming Inforr | nation | | | | | | | |
| | | | | | | | | | |
| Format Number | Field Name(s) e.g. Facility Co | | Value | QTY | | Encoded S | tart Num | ber | Encoded Stop Number |
| HID Elite ICE # | | | | | | Printed Sta | ort Numb | er | Printed Stop Number |
| THE LINE ISE # | | | | | | T Time Cu Ott | | - | Timed Otop Humber |
| | | | | | | | | | |
| MIFARE Classic Card F | Programming | Informat | tion | | | | | | |
| Format Number | Field Name(s) | | Value | QTY | | Encoded S | tart Num | ber | Encoded Stop Number |
| | e.g. Facility Co | | | | | | | | P - 1 - 1 - 1 |
| | | | | | | | | | |
| HID Elite ICE # | | | | | | Printed Sta | rt Numb | er | Printed Stop Number |
| | | | | | | | | | |

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

² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. Most part numbers are marked with the 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 + MIFARE Classic + Prox Card - 396

The SIO-enabled card with MIFARE Classic or 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.

| Base Model | | ter / PVC* | | | |
|---|---|--------------------|---|--|-----------|
| □ 0 - 2k Bits (256 Bytes) w (only available with MIF. □ 3 - 32k Bits (4K Bytes) A □ 4 - 32k Bits (4K Bytes) A ■ 13.56 MHz Technology C □ R - iCLASS programmed MIFARE Classic program | ARE Classic 1K) pplication areas 16k/2+16k/1 pplication areas 16k/16+16k/1 ard Programming (select one option) d with Secure Identity Object (SIO), mmed with Secure Identity Object (SIO) | 2.125" (5.4 cm) | | Front Packagi | ng |
| | with Secure Identity Object (SIO), rammed for Use with iCLASS SE encoder a encoding) | <u>*</u> | - | 3.370" (8.57 cm) | - |
| MIFARE Classic program V - iCLASS unprogramm | ned for use with iCLASS SE Encoder, mmed with Secure Identity Object (SIO) ned for use with iCLASS SE Encoder, rammed for use with iCLASS SE encoder stom encoding) | 0.033" (0.084 cm) | | | |
| MIFARE Classic (select o M - MIFARE Classic 1K N - MIFARE Classic 4K I | Bytes (only available with iCLASS 2k bits) | | | Back Packagii | ng |
| 125 kHz Technology Card P - Programmed with HI C - Programmed with C N - Unprogrammed HID | ASI Prox. | | | IONAL MAGNET CO/HIGH ENERG 12345 | |
| Front Packaging (select of G - Plain White with Glo | | | | Card ID Number Y-YY = Sales Orde | er Number |
| 1 - Plain White with Glos | ss Finish ² n Gloss Finish - Specify Custom Artwork Number ¹ ss Finish with Magnetic Stripe ² n Gloss Finish with Magnetic Stripe - | | | | |



| iCLASS SE Card Num | bering³ | (select o | ne opti | ion) | | | | | | | | | |
|------------------------------|-----------|-------------------------|---------------------|-----------------------|------------|-----------------|--------------|--------|------------|-----------|--------|----------|--------------------|
| M - Sequential Mat | ching End | coded/Pri | inted (In | kjetted) ⁵ | | | | | | | | | |
| N - No Printed Card | Numberi | ing | | | | | | | | | | | |
| S - Sequential Enco | ded/Seq | uential No | on-Matc | hing Print | ed (Inkjet | ted)4 | | | | | | | |
| R - Random Encode | d/Non-N | 1atching S | Sequent | ial Printed | (Inkjette | d) ⁴ | | | | | | | |
| A - Sequential Mate | hing Enc | oded/Pri | nted (La | ser Engrav | /ed) | | | | | | | | |
| ☐ B - Sequential Enco | ded/Seq | uential No | on-Matc | hing Print | ed (Laser | Engrave | ed) | | | | | | |
| C - Random Encode | ed/Non-N | 1atching 9 | Sequent | ial Printed | (Laser E | ngraved |) | | | | | | |
| Slot Punch | | | | | | | | | | | | | |
| IMPORTANT: Dual HID re | | - | | | | | due to the a | | _ | | | | |
| X N - No Slot Punch | | | | | | | | | | | | | |
| MIFARE Classic 13.5 | 6 MHz C | ard Num | bering ³ | s (select o | one opti | on) | | | | | | | |
| M - Sequential Mat | ching End | coded/Pri | inted (In | kjetted) ⁵ | | | | | | | | | |
| ■ N - No Printed Card | Numberi | ing | | | | | | | | | | | |
| S - Sequential Enco | ded/Seq | uential No | on-Matc | hing Print | ed (Inkjet | ted)4 | | | | | | | |
| R - Random Encode | d/Non-N | latching S | Sequent | ial Printed | (Inkjette | d) ⁴ | | | | | | | |
| A - Sequential Mate | hing Enc | oded/Pri | nted (La | ser Engrav | /ed) | | | | | | | | |
| ☐ B - Sequential Enco | ded/Seq | uential No | on-Matc | hing Print | ed (Laser | Engrave | ed) | | | | | | |
| C - Random Encode | ed/Non-N | latching 9 | Sequent | ial Printed | (Laser E | ngraved |) | | | | | | |
| 125 kHz Card Numbe | ring³ (se | lect one | option |) | | | | | | | | | |
| M - Sequential Mat | ching End | coded/Pri | inted (In | kjetted) ⁵ | | | | | | | | | |
| ■ N - No Printed Card | Numberi | ing | | | | | | | | | | | |
| S - Sequential Enco | ded/Seq | uential No | on-Matc | hing Print | ed (Inkjet | ted)4 | | | | | | | |
| R - Random Encode | d/Non-N | latching S | Sequent | ial Printed | (Inkjette | d) ⁴ | | | | | | | |
| A - Sequential Mate | hing Enc | oded/Pri | nted (La | ser Engra | /ed) | | | | | | | | |
| ☐ B - Sequential Enco | ded/Seq | uential No | on-Matc | hing Print | ed (Laser | Engrave | ed) | | | | | | |
| C - Random Encode | ed/Non-N | 1atching S | Sequent | ial Printed | (Laser E | ngraved |) | | | | | | |
| Option - Custom Arty | ork¹ | | | | | | | | | | | | |
| <u> </u> | | Specify A | rtwork l | Number - I | Refer to t | he Custo | om Artwork | k Form | ns for new | artwork) |) | | |
| Enter your final card | options 1 | from the | above | selection | ıs. Exam | ple: 39 | 64PNPGG | NNM | | | | | |
| Final Part Number | | | | | | | | N | | | | _ | (Options #) |
| | | | | | | | | | | | | <u> </u> | |
| iCLASS SE Progra | mming | Inform | ation | | | | | | | | | | |
| Format Number | | Field Ner | ma(a) | | Value | | OTV | | Encodo | d Ctort N | umbar | En | and ad Stan Number |
| Format Number | | Field Nar e.g. Facil | | e | value | | QTY | | Encode | d Start N | uniber | Enc | coded Stop Number |
| | | | | | | | | | | | | | |
| HID Elite ICE # | | | | | | | | | Printed | Start Nu | mber | Pri | nted Stop Number |
| | | | | | | | | | | | | 1 | |



MIFARE Classic 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 |

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 |
| | | | | | |

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

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

³ The 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.

⁴ 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 Credentials

iCLASS Card - 200 / 210

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

| Base Model: | | ☐ 200 St | tandard l | PVC | □ 210 | Composi | ite 40% Po | lyeste | r / PVC* |
|--|---|--|--|--|-------------|--------------------|--------------|-----------|--|
| iCLASS Memory Size a ☐ 0 - 2k Bits (256 Bytes) ☐ 3 - 32k Bits (4K Bytes) ☐ 4 - 32k Bits (4K Bytes) | s) with 2 Application a | cation Areas areas 16k/2 | +16k/1 |) | | 1 | | | |
| iCLASS Programming HP - Programmed with and standard iCLASS P - Programmed with C - Unprogrammed, for the control of the con | ith Security Ide S Access Cont n standard iCL | entity Objec trol Applicat ASS Access | ion (Recon 3 Control Ap | | | 2.125" (5.4 cm) | | Fro | ont Packaging |
| Front Packaging (selection G - Plain White with C C - Custom Artwork C | Gloss Finish | | / Custom A | rtwork Num | | 033" = | • | | 3.370" (8.57 cm) |
| Back Packaging (select G - Plain White with C C - Custom Artwork v 1 - Plain White with C 3 - Custom Artwork v Specify Custom Artw | Gloss Finish ³ with Gloss Fin Gloss Finish w with Gloss Fin | ish - Specify ith Magnetion | c Stripe ³ | | (0.0) | 84 cm) • | | Ва | ck Packaging |
| Card Numbering ⁴ (sele M - Sequential Match N - No Printed Card N | hing Encoded | • | kjetted) ⁸ | | | | | | . MAGNETIC STRIPE GH ENERGY - 40000E) |
| S - Sequential Encod | · · | al Non-Matcl | hing Printed | d (Inkjetted) | 7 | (| HID iCLASS | | Y 12345 YYYYYYYYYY |
| R - Random Encoded A - Sequential Match B - Sequential Encoded C - Random Encoded | d/Non-Matchi ning Encoded/ led/Sequentia | ng Sequenti /Printed (Las al Non-Matcl | ial Printed (ser Engrave hing Printed | Inkjetted) ⁷ ed) d (Laser Eng | graved) | | 12345 = | = Card IE | gramming Number Sales Order Number |
| Slot Punch ⁵ (select on N - No slot punch, Th B - No Slot Punch, Th V - Vertical Slot Punc H - Horizontal Slot Pu | nis card can be nis card can be ch unch ⁶ | | | | | | | | |
| Option - Custom Artwo | | ify Artwork N | Number - Re | efer to the C | ustom Artwo | rk Forms for | new artwork) |) | |
| Enter your final card o | | - | | | | | | | |
| Final Part Number | | | | | | | | _ | (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 |

¹ 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: 2000PGGNN

PLT-02630, Rev D.8 93 April 2024

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

³ Cards 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. Most 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.

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

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

⁷ Please note that cards shipped within 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% Polyest | ter / PVC* | |
|---|--|--------------------|---|
| ☐ 0 - 2k Bits (256 Bytes) with ☐ 3 - 32k Bits (4K Bytes) App | olication areas 16k/2+16k/1 | | |
| Programming (select one of HP - Programmed with Se and standard iCLASS account HB - Programmed with Se | curity Identity Object (SIO), ess control application, 25 kHz Unprogrammed. ¹ curity Identity Object (SIO), | 2.125" (5.4 cm) | Front Packaging |
| P - Programmed with stan 125 kHz HID Prox unprogr B - 125 kHz Programmed v | ess control application, med with HID Prox or Indala format dard iCLASS access control application, rammed for use with iCLASS SE Encoder with HID Prox or Indala format, iCLASS rd access control application | 0.033" | 3.370" (8.57 cm) |
| C - iCLASS Unprogramme HID Prox unprogrammed A - iCLASS Unprogramme 125 kHz programmed with M - iCLASS Programmed, | d, for use with iCLASS SE Encoder, for use with iCLASS SE Encoder d, for use with iCLASS SE Encoder, n HID Prox or Indala format | (0.084 cm) A | Back Packaging |
| Front Packaging (select on G - Plain White with Gloss | Finish | | OPTIONAL MAGNETIC STRIPE 1/2" (HICO/HIGH ENERGY - 40000E) |
| Back Packaging (select on G - Plain White with Gloss C - Custom Artwork with Gloss 1 - Plain White with Gloss | Finish ³ Gloss Finish - Specify Custom Artwork Number ² Finish with Magnetic Stripe ³ Gloss Finish with Magnetic Stripe - | | 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY |
| N - No Printed Card Numb S - Sequential Encoded/S R - Random Encoded/Nor A - Sequential Matching E B - Sequential Encoded/S | Encoded/Printed (Inkjetted) ⁷ |) | |
| Slot Punch⁵ (select one op □ V - Vertical Slot Punch □ N - No slot punch, This ca | tion) rd can be slotted vertically, Printed Vertical Slot In | dicators | |



| 125 kHz Card Numberi | ng⁴ (sele | ct one opt | tion) | | | | | | | | | |
|--------------------------------|------------|-----------------------------|-------------|-----------------|-----------------------|-------------|-----------------------------|-------------|--------|---------------------|---------------------|----|
| ■ M - Sequential Match | ing Encod | ded/Printed | d (Inkjette | d) ⁷ | | | | | | | | |
| ■ N - No Printed Card N | lumbering | J | | | | | | | | | | |
| S - Sequential Encode | ed/Sequer | ntial Non-N | /latching F | Printed (In | kjetted) ⁶ | | | | | | | |
| R - Random Encoded | /Non-Mate | ching Sequ | uential Pri | nted (Inkje | etted) ⁶ | | | | | | | |
| A - Sequential Match | ing Encode | ed/Printed | (Laser Er | ngraved) | | | | | | | | |
| ☐ B - Sequential Encode | ed/Sequei | ntial Non-N | /latching F | Printed (La | ser Engra | ved) | | | | | | |
| C - Random Encoded | /Non-Mat | ching Sequ | uential Pri | nted (Lase | er Engrave | ed) | | | | | | |
| Option - Custom Artwo | (Sp | , | | | | tom Artworl | ns for | new artwo | ork) | | | |
| Final Part Number | | | | | | | | | _ | | (Options | #) |
| | | | | | | | | | | | | _ |
| iCLASS Card Progra | amming | Informa | ition | | | | | | | | | |
| Format Number | | eld Name(s j. Facility C | | Va | lue | QTY | Encoded Start Number | | er | Encoded Stop Number | | |
| HID Elite ICE # | | | | | | | Print | ted Start M | Numbei | r | Printed Stop Number | |
| 125 kHz Card Progr | amming | J Informa | ation | | | | | | | | | _ |
| Format Number | | eld Name(s j. Facility C | • | Va | lue | QTY | Enco | oded Start | Numb | er | Encoded Stop Number | |
| | | | | | | | Print | ted Start N | lumbei | r | Printed Stop Number | |
| | | | | | | | | | | | | |

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

³ Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. Most 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 for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.

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

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

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



iCLASS 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.

| Base Model | ⊠ 205 | Base Mod | lel | | | | | |
|--|--|---|---|-----------|-----|------------------|--------------|-------------|
| iCLASS Memory Size and A 0 - 2k Bits (256 Bytes) with 3 - 32k Bits (4K Bytes) App 4 - 32k Bits (4K Bytes) App Programming (select one of access control application P - Programmed iCLASS s C - iCLASS Unprogrammed N - iCLASS Key II - Black with Back Packaging N - None Key Numbering¹ (select on M - Sequential Matching II N - No Printed Key Number S - Sequential Encoded/Nor A - Sequential Encoded/Nor B - Sequential Encoded/Nor C - Random Encoded/Nor | Allocation (selection 2 Application Areas 16k polication areas 16k polic | et one option eas /2+16k/1 /16+16k/1 ct (SIO) and s) control applica ASS SE Enco cludes HID St (Inkjetted) ⁴ atching Printe ontial Printed (Engraved) atching Printe | tandard iCLA tion only oder andard Artw d (Inkjetted) ³ Inkjetted) ³ | ork | | .24 in [6 mm] | 1.25 in [3· | 1.75 mm] |
| Additional Options ³ N - None | ns from the above | ro coloctions | - Evample: | 2050UNNI | IN | | | |
| Enter your final card option Final Part Number | 205 | e selections | s. Example. | ZUSUFININ | N N | N | | N |
| | | | | | | | | |
| iCLASS Key Programm | ing Information | n | | | | | | |
| Format Number | Field Name(s) Code | e.g. Facility | Value | QTY | En | coded Start Numb | er Encoded | Stop Number |
| LID Elito ICE # | | | | | | ntod Start Numba | r Drinted St | ton Number |

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

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

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



iCLASS Tag - 206

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 | | | | | | | | | | |
|--|---------------|---------------------------------|---------------------|-----------|-----------------|---------------|--------------|---------|-------------|-------------|
| iCLASS Memory Size and | | | ne option) |) | | | | | | |
| 0 - 2k Bits (256 Bytes) w | | | | | | | | | | |
| 3 - 32k Bits (4K Bytes) A | | | | | | | | | | |
| 4 - 32k Bits (4K Bytes) A | | | | | | | | | | |
| iCLASS Programming inf ☐ H - Programmed with Se ☐ P - Programmed with iC ☐ C - iCLASS Unprogramm | ecurity Ident | tity Object (S s control app | IO) and sta | nly | ASS access cont | rol applicati | on. (Recomn | nended) |) | |
| Front Packaging (select of K - Black with HID Stand | dard Artworl | k | umber² | | | | / | D° ASS™ | | 1.285" |
| Back Packaging S - Adhesive Backing | | | | | | , | | TAG | | (32.639mm |
| Tag Numbering¹ (select o | | | etted) ⁴ | | | | Front P | ackagin | | <u> </u> |
| ■ N - No Printed Tag Num ■ S - Sequential Encoded/ ■ R - Random Encoded/N | /Sequential | | - | - | 4 | | | 3 | | |
| Slot Punch N - None | | | | | | | | | | |
| Option - Custom Artwork | (Specify | | | | ustom Artwork F | Forms for ne | w artwork) | | | |
| Enter your final Tag optio | ns from ch | eck boxes | above. Ex | cample: 2 | 060HSSNN | | T | | T | |
| Final Part Number | 206 | | | | S | | N | _ | | (Options #) |
| iCLASS Tag Programm | ming Info | rmation | | | | | | | | |
| Format Number | | lame(s) | | Value | QTY | Encode | ed Start Nur | nber | Encoded S | Stop Number |
| | | | | | | | | | | |
| HID Elite ICE # | | | | | | Printed | Start Num | ber | Printed Sto | op Number |
| | | | | | | | | | | |

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



Contact Smart Chip



Magnetic Swipe card

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

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

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

2.125

(5.4 cm)

(Base)

Back Packaging

12345 YYYYYYYYYYYY

0.070

(0.18 cm)

3.370"

(8.57 cm)



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.

| X | 20 | 8 Bas | se N | Лο | del |
|---|----|-------|------|----|-----|
|---|----|-------|------|----|-----|

iCLASS Memory Size and Allocation

■ 0 - 2k Bits (256 Bytes) with 2 Application Areas

iCLASS Programming (select one option)

- P Programmed with standard iCLASS access control application only
- C iCLASS Unprogrammed, for use with iCLASS SE Encoder

Front Packaging (select one option)

- M Plain White Vinyl with Matte Finish
- G Plain White with Gloss Finish
- C Custom Artwork Specify Custom Artwork Number²

Back Packaging (select one option)

- S Base with Molded HID Logo
- C Custom Artwork Specify Custom Artwork Number²

Card Numbering³ (select one option)

- N No Printed Card Numbering
- S Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)³
- 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: 2080HPGSNV

| Final Part Number | 208 | | | V | _ | (Options #) | |
|--------------------------|-----|--|--|---|---|-------------|--|
| i iliai i ai i italiibei | 200 | | | | | (Options #) | |

iCLASS Card Programming Information

| Format Number | |
|-----------------|--|
| | |
| HID Elite ICE # | |

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

| | QTY |
|---|-----|
| ŀ | |
| L | |

2.060

(5.23 cm)

(Cover)

Front Packaging

Y = iCLASS Programming

12345 = Card ID Number

YYYYYYYYY = Sales Order Number

3.310

(8.41 cm

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

¹ 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

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

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



iCLASS + MIFARE Classic - 242

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

| Base Model | | er / PVC* | | | |
|---|---|-------------------------------|-------|--------------------------------|-----------|
| O - 2k Bits (256 Bytes) with (only available with MIFAF 3 - 32k Bits (4K Bytes) App | | 1 | | | |
| and iCLASS standard accommission MIFARE Classic programm H - iCLASS programmed v | rith Security Identity Object (SIO) | 2.125" (5.4 cm) | | Front Packagi | ing |
| ☐ B - iCLASS programmed v | vith iCLASS standard access control application, med with HID MIFARE (MIFARE Classic) | , | • | 3.370" (8.57 cm) | |
| P - iCLASS programmed v MIFARE Classic unprogra C - Unprogrammed iCLAS Non-programmed MIFARI A - iCLASS unprogramme | with iCLASS standard access control application, mmed | 0.033" (0.084 cm) | | Back Packagi | ina |
| MIFARE Classic (select one | e option) rtes (only available with iCLASS 2k bits) | | ОРТІО | NAL MAGNET | |
| Front Packaging (select on G - Plain White with Gloss C - Custom Artwork with C | | | | D/HIGH ENERO | |
| 1 - Plain White with Gloss | | n Artwork Number ¹ | | rd ID Number YY = Sales Ord | er Number |
| iCLASS Card Numbering³ (M - Sequential Matching II N - No Printed Card Numb S - Sequential Encoded/S R - Random Encoded/Nor A - Sequential Matching E B - Sequential Encoded/S | select one option) Encoded/Printed (Inkjetted) ⁵ | | | | |



| | | | | | ١. |
|---|----|---|-----|---|----|
| S | nt | М | IIN | C | n |

| | | • | not allow a slot pur Ider to attach this ca | | , | | | | | | |
|--|---|----------------------------|--|-------------|--------|---------------|------|---------------------|--|--|--|
| X N - No Slot Pu | nch | | | | | | | | | | |
| M - Sequential N - No Printed S - Sequential R - Random En A - Sequential B - Sequential C - Random En | MIFARE Classic Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)6 N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)5 R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)5 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) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) | | | | | | | | | | |
| Enter your final | card options from | the above sel | ections. Example | : 2420HNGGN | INN | | | | | | |
| Final Part Num | | | · | | N | | - | (Options #) | | | |
| :01 400 00 10: | Dua mua ma maina m Ir | -f | | | | | | | | | |
| ICLASS Card I | Programming I | ntormation | | | | | | | | | |
| Format Number | | l Name(s) Facility Code | Value | QTY | Encod | led Start Num | nber | Encoded Stop Number | | | |
| HID Elite ICE # | | | | | Printe | d Start Numb | er | Printed Stop Number | | | |
| MIFARE Class | ic Card Progra | mming Infor | mation | | | | | | | | |
| Format Number | | l Name(s) Facility Code | Value | QTY | Encod | led Start Num | nber | Encoded Stop Number | | | |
| HID Elite ICE # | | | | | Printe | d Start Numb | er | Printed Stop Number | | | |
| | | | | | | | | | | | |

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

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

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

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.



G - Plain White with Gloss Finish²

C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹

3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number¹

1 - Plain White with Gloss Finish with Magnetic Stripe²

iCLASS + MIFARE Classic + Prox Card - 262

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

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

Base Model ■ 262 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE Classic 1K) 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 2.125' Front Packaging (5.4 cm) iCLASS / MIFARE Classic Programming J - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, MIFARE Classic programmed with Security Identity Object (SIO) ☐ H - iCLASS programmed with Security Identity Object (SIO) 3.370' and iCLASS standard access control application, (8.57 cm) MIFARE Classic unprogrammed K - iCLASS programmed with Secure Identity Object (SIO) 0.033" and iCLASS standard access control application, (0.084 cm) MIFARE Classic programmed with HID MIFARE (MIFARE Classic) **B** - iCLASS programmed with iCLASS standard access control application, MIFARE Classic programmed with HID MIFARE (MIFARE Classic) P - iCLASS programmed with iCLASS standard access control application. **Back Packaging** MIFARE Classic unprogrammed MIFARE Classic unprogrammed A - iCLASS unprogrammed, for use with iCLASS SE Encoder, **OPTIONAL MAGNETIC STRIPE** MIFARE Classic programmed with HID MIFARE (MIFARE Classic). 1/2" (HICO/HIGH ENERGY - 40000E) 12345 HID iCLASS **12345 YYYYYYYYYY** MIFARE Classic (select one option) M - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits) N - MIFARE Classic 4K Bytes 125 kHz Technology Card Programming (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 Number¹ **Back Packaging (select one option)**



| M - Sequential Matching Encoded/Printed (Inkjetted)* R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* B - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* B - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)* C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)* Solt Punch IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip. N - No Slot Punch MFARE Classic 13.56 MHz Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)* N - No Printed Card Numbering * Sequential Printed (Inkjetted)* R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* A - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* A - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* N - No Printed Card Numbering * Sequential Printed (Inkjetted)* N - No Printed Card Numbering * Sequential Printed (Inkjetted)* N - No Printed Card Numbering * Sequential Printed (Inkjetted)* N - No Printed Card Numbering * Sequential Printed (Inkjetted)* R - Sequential Matching Encoded/Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* R - Sequential Matching Encoded/Printed (Laser Engraved) G - Sequential Matching Encoded/Printed (Laser Engraved) G - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* R - Sequential Matching Encoded/Printed (Laser Engraved) G - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* R - Sequential Matching Encoded/Printed (Laser Engraved) G - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* G - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* G - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* G - Sequential Encoded/Sequentia | | ASS Card Numberi | | | | | | | | | | | | | | |
|--|------|------------------------------|------------|-----------|-----------|---------------------|-------------------|------------------|-------------------|---------|--------|---------|----------|-------|------------------|----------|
| S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁵ R - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) ⁴ B - Sequential Matching Encoded/Printed (Laser Engraved) ⁴ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) ⁴ Solt Punch IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip. N - No Slot Punch IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip. N - No Slot Punch M - Sequential Matching Encoded/Printed (Inkjetted) ⁵ N - No Printed Card Numbering ³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ R - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) B - Sequential Matching Encoded/Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) M - Sequential Matching Encoded/Printed (Inkjetted) ⁴ N - No Printed Card Numbering ³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁴ N - Reguential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁵ R - Random Encoded/Non-Matching Sequential Pr | | | | | ted (Inkj | etted) ⁵ | | | | | | | | | | |
| R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁵ A - Sequential Encoded/Sequential Ron-Matching Printed (Laser Engraved) ⁴ B - Sequential Encoded/Sequential Ron-Matching Printed (Laser Engraved) ⁵ Slot Punch IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design. Hill Drecommends using a badge holder to attach this card to a lanyard or badge clip. N - No Slot Punch MFARE Classic 13.56 MHz Card Numbering ² (select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁵ N - No Printed Card Numbering S - Sequential Matching Encoded/Printed (Inkjetted) ⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ 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) 125 kHz Card Numbering ³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁴ N - No Printed Card Numbering (Inkjetted) ⁵ N - No Printed Card Numbering (Select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁶ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁷ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁸ R - | | | | | | | | | | | | | | | | |
| 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 IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip. N - No Slot Punch MFARE Classic 13.56 MHz Card Numbering* (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)* R - Random Encoded/Non-Matching Printed (Inkjetted)* R - Random Encoded/Sequential Non-Matching Printed (Inkjetted)* A - Sequential Encoded/Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Printed (Inkjetted)* M - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* M - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* A - Sequential Matching Encoded/Printed Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* A - Sequential Matching Encoded/Printed Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* A - Sequential Matching Encoded/Printed Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* A - Sequential Matching Encoded/Printed Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* A - Sequential Matching Encoded/Printed Engraved B - Sequential Encoded/Sequential Non-Matching Sequential Printed (Inkjetted)* A - Sequenti | | · | • | | | • | | • | | | | | | | | |
| B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)* C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)* Slot Punch IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip. N - No Slot Punch IMFARE Classic 13.56 MHz Card Numbering* (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)* N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) 125 kHz Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)* N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* A - Sequential Encoded/Non-Matching Sequential Printed (Inkjetted)* R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* A - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* A - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* B - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* C - Random Encoded/Non-Matching Sequential Printed (Inkjetted)* A - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* N - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)* S - Sequential Encoded/Sequential Non-Matching Sequential Printed (Inkjetted)* N - Sequential Encoded/Sequential Non-Matching Sequent | | | | | | | - | 5 | | | | | | | | |
| C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Slot Punch | | A - Sequential Match | ing Encode | ed/Printe | ed (Lase | er Engrav | /ed) ⁴ | | | | | | | | | |
| Slot Punch IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip. N - No Slot Punch MIFARE Classic 13.56 MHz Card Numbering¹ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)² N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)² R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)² B - Sequential Encoded/Printed (Laser Engraved) B - Sequential Encoded/Non-Matching Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) M - Sequential Matching Encoded/Printed (Inkjetted)² R - Random Encoded/Non-Matching Printed (Inkjetted)² R - Random Encoded/Sequential Non-Matching Printed (Inkjetted)² R - Random Encoded/Sequential Printed (Inkjetted)² A - Sequential Matching Encoded/Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Inkjetted)² A - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)² C - Random Encoded/Non-Matching Sequential Printed (Inkjetted)² C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624.JNGGNNN Final Part Number Field Name(s) e,g. Facility Code Value GTY Encoded Start Number Encoded Stop Number | | B - Sequential Encod | ed/Sequer | ntial Non | -Matchi | ng Print | ed (Lase | r Engra | ved) ⁴ | | | | | | | |
| IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip. N - No Slot Punch MIFARE Classic 13.56 MHz Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)³ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ A - Sequential Encoded/Non-Matching Sequential Printed (Inkjetted)⁴ B - Sequential Encoded/Non-Matching Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) M - Sequential Matching Encoded/Printed (Inkjetted)⁴ N - No Printed Card Numbering² (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁴ R - Random Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ R - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) B - Sequential Matching Encoded/Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number Field Name(s) e.g. Facility Code Value GTY Encoded Start Number Encoded Stop Number | | C - Random Encoded | d/Non-Mat | ching Se | quentia | I Printed | (Laser E | Engrave | d) ⁴ | | | | | | | |
| HID recommends using a badge holder to attach this card to a lanyard or badge clip. N - No Slot Punch MIFARE Classic 13.56 MHz Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)⁵ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ R - Random Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ A - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Sequential Non-Matching Printed (Laser Engraved) M - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) S - Sequential Matching Encoded/Printed (Inkjetted)⁴ N - No Printed Card Numbering³ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁴ A - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Encoded/Sequential Printed (Laser Engraved) M - | | | | | | | | | | | | | | | | |
| MIFARE Classic 13.56 MHz 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)⁴ R - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) M - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) N - Sequential Matching Encoded/Printed (Inkjetted)⁴ N - No Printed Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)⁴ R - Random Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ A - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Matching Encoded/Printed (Laser Engraved) C - Random Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number Final Part Number Final Part Number Field Name(s) e.g. Facility Code Value OTY Encoded Start Number Encoded Stop Number | IIV | | | - | | | | | | | | - | | | | |
| M - Sequential Matching Encoded/Printed (Inkjetted) ⁵ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ B - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) M - Sequential Encoded/Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ N - No Printed Card Numbering S - Sequential Matching Encoded/Printed (Inkjetted) ⁴ R - Random Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ B - Sequential Matching Encoded/Printed (Laser Engraved) C - Random Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) (Laser Engraved) Option - Custom Artwork (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number Field Name(s) e.g. Facility Code Format Number Field Name(s) e.g. Facility Code Printed (Inkjetted) ⁴ R - Random Encoded/Start Number Encoded Stop Number Encoded Start Number Encoded Stop Number | X | N - No Slot Punch | | | | | | | | | | | | | | |
| N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ A - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) 125 kHz Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁴ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ A - Sequential Encoded/Sequential Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number Field Name(s) Goptions #j | MIF | ARE Classic 13.56 | MHz Card | l Numb | ering³ (| select | one opti | ion) | | | | | | | | |
| S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ B - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) 125 kHz Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁴ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ B - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) C - Random Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ N - N - N - N - N - N - N - N - N - N - | | M - Sequential Matc | ning Encod | led/Print | ted (Inkj | etted) ⁵ | | | | | | | | | | |
| R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ 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) 125 kHz Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁴ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ B - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) C - Random Encoded/Non-Match | | N - No Printed Card I | 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) 25 kHz Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)⁴ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁴ 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) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number N N N Options #inal Part Number Coptions #inal Part Number Field Name(s) Printed Number Coptions #inal Part Number Coptions *inal Part Number Copti | | S - Sequential Encod | ed/Sequer | ntial Non | -Matchi | ng Print | ed (Inkje | tted)4 | | | | | | | | |
| B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) 125 kHz Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)⁴ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁴ 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) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number Final Part Number Field Name(s) e.g. Facility Code Particular Sequential Final Start Number Fincoded Start Number Encoded Stop Number | | R - Random Encoded | l/Non-Mate | ching Se | quentia | l Printed | (Inkjette | ed) ⁴ | | | | | | | | |
| C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) 125 kHz Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)⁴ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁴ A - Sequential Encoded/Non-Matching Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number Final Part Number Field Name(s) e.g. Facility Code Field Name(s) e.g. Facility Code Final Part Number Final Part Number Final Card Programming Information Format Number Final Card Programming Information Format Number Final Part Number | | A - Sequential Match | ing Encode | ed/Printe | ed (Lase | er Engrav | /ed) | | | | | | | | | |
| 125 kHz Card Numbering3 (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)4 N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)4 R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)4 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) Option - Custom Artwork1 (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) | | B - Sequential Encod | ed/Sequer | ntial Non | -Matchi | ng Print | ed (Lase | r Engra | ved) | | | | | | | |
| M - Sequential Matching Encoded/Printed (Inkjetted) ⁴ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ 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) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number | | | d/Non-Mate | ching Se | quentia | l Printed | | | | | | | | | | |
| N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ 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) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number | 125 | kHz Card Number | ing³ (sele | ct one o | ption) | | | | | | | | | | | |
| S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ 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) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number Format Number Field Name(s) e.g. Facility Code QTY Encoded Start Number Encoded Stop Number | | M - Sequential Matc | hing Encod | led/Print | ted (Inkj | etted)4 | | | | | | | | | | |
| R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴ 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) Option - Custom Artwork¹ (Laser Engraved) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number Format Number Field Name(s) e.g. Facility Code QTY Encoded Start Number Encoded Stop Number | | N - No Printed Card I | 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) Option - Custom Artwork¹ | | S - Sequential Encod | ed/Sequer | ntial Non | -Matchi | ng Print | ed (Inkje | tted)4 | | | | | | | | |
| B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number N | | R - Random Encoded | l/Non-Mate | ching Se | quentia | l Printed | (Inkjette | ed) ⁴ | | | | | | | | |
| C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork) Enter your final card options from the above selections. Example: 2624JNGGNNN Final Part Number ICLASS Card Programming Information Format Number Field Name(s) e.g. Facility Code QTY Encoded Start Number Encoded Stop Number | | A - Sequential Match | ing Encode | ed/Printe | ed (Lase | er Engrav | /ed) | | | | | | | | | |
| Option - Custom Artwork¹ | | B - Sequential Encod | ed/Sequer | ntial Non | -Matchi | ng Print | ed (Lase | r Engra | ved) | | | | | | | |
| Care | | | d/Non-Mate | ching Se | quentia | l Printed | | | | | | | | | | |
| Care | Ont | ion - Custom Artwo | ork¹ | | | | | | | | | | | | | |
| Final Part Number N - (Options #, iCLASS Card Programming Information | | | | ecify Art | work N | umber - l | Refer to | the Cus | tom Artwo | rk Forr | ns for | new ar | rtwork) | | | |
| iCLASS Card Programming Information Format Number Field Name(s) e.g. Facility Code QTY Encoded Start Number Encoded Stop Number | Ente | er your final card o | ptions fro | m the a | bove s | election | ıs. Exan | nple: 2 | 624JNGG | NNN | | | | | | |
| Format Number Field Name(s) e.g. Facility Code QTY Encoded Start Number Encoded Stop Number Encoded Stop Number Code Cod | | Final Part Number | | | | | | | | N | | | - | | (0 | ptions # |
| Format Number Field Name(s) Value QTY Encoded Start Number Encoded Stop Numbe | | | | | | | | | ' | | | | | | | |
| e.g. Facility Code | iCL | ASS Card Progr | amming | Inform | nation | | | | | | | | | | | |
| e.g. Facility Code | | | | | | | | | | | | | | | | |
| HID Elite ICE # Printed Start Number Printed Stop Number | Fo | rmat Number | | | | | Value | • | QTY | | Enco | oded S | Start Nu | umber | Encoded Stop Nur | nber |
| HID Elite ICE # Printed Start Number Printed Stop Number | | | | | | | | | | | | | | | | |
| | HII | D Elite ICE # | | | | | | | | | Print | ted Sta | art Nun | nber | Printed Stop Num | oer |



MIFARE Classic 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 |

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 |
| | | |] | | |

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

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

³ The 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.

⁴ 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.



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.

| Base Model | | | ⊠ 600 0 | omposi | te 40% Po | lye | ster / P | VC* | | | | |
|---|-------|-------|------------------------|------------|-------------|-------|----------|---------------------|------------------|------------|----------|---|
| Secure Identity Object I | | | | ject (SIO) | | | | | | | | |
| Front Packaging (select G - Plain White with GI C - Custom Artwork w | oss F | inish | | y Custom / | Artwork Num | ıber¹ | | | 2.125 (5.4 cr | | ! | Front Packaging |
| Back Packaging (select one option) G - Plain White with Gloss Finish ² C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ¹ 1 - Plain White with Gloss Finish with Magnetic Stripe ² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ¹ | | | | | | | | 3.370" (8.57 cm) | | | | 3.370" (8.57 cm) |
| Specify Custom Artwork Number¹ UHF 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) | | | | | | | | | 84 cm) | | | Back Packaging |
| Slot Punch N - No Slot Punch | | | | | | | | | | ©HID | ½" (HIC | ONAL MAGNETIC STRIPE D/HIGH ENERGY - 40000E) 12345 YYYYYYYYYY |
| Option - Custom Artwork (Specify Artwork Num Enter your final card op | ber - | | | | | | , | | | | YYYYYYY- | UHF YY = Sales Order Number |
| Final Part Number | | 600 | Т | | | | | | N | _ | | (Options #) |
| UHF Programming I | nfor | matio | n ⁵ | | | | | | | | | |
| Format Number | | | Name(s) acility Cod | Э | Value | | QTY | | Enco | ded Start | Number | Encoded Stop Number |
| HID Elite ICE # | | | | | | | | | Print | ed Start N | umber | Printed Stop Number |

PLT-02630, Rev D.8 104 April 2024

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

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

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

⁵ Number of bits should remain below 120 bits.

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



UHF + iCLASS Card - 601

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

| Base Model | | ⊠ 601 0 | Composit | e 40% Po | lyester / P | VC* | | |
|--|---|---|---|---------------|------------------|---|-------------------------|---|
| iCLASS Memory Size a | | | 2+16k/1 | | | 1 | | |
| 4 - 32k Bits (4K Bytes |) Application | areas 16k/ | 16+16k/1 | | | | | |
| Card Programming S - UHF Programmed iCLASS programmed access control applic T - UHF Programmed programmed with Se | d with standa cation and Se d with Secure ecure Identity | rd iCLASS secure Identite Identity Ob Object (SIC) | tandard y Object (SI ject (SIO). i0 D) | CLASS | (| 2.125" 5.4 cm) | | Front Packaging |
| H - UHF Programmed programmed with state C - UHF Programmed unprogrammed for u | andard iCLAS d with Secure | SS access co | ontrol applic ject (SIO). i | eation | | <u>▼</u> (- | ▲ | 3.370" (8.57 cm) |
| Front Packaging (selection G - Plain White with C | Gloss Finish | · | y Custom A | rtwork Num | (0.08 | 33" = = = = = = = = = = = = = = = = = = | | |
| Back Packaging (selection of the control of the con | Gloss Finish ² with Gloss Fir | nish - Specit | | rtwork Num | ber ¹ | | | Back Packaging |
| 3 - Custom Artwork v Specify Custom Artw | vith Gloss Fir | nish with Ma | • | oe - | | | <i>1</i> / ₂ | OPTIONAL MAGNETIC STRIPE " (HICO/HIGH ENERGY - 40000E) |
| UHF Card Numbering³ ☐ N - No Printed Card N ☐ A - Sequential Match ☐ B - Sequential Encode ☐ C - Random Encoded | Numbering ing Encoded ed/Sequenti | /Printed (La al Non-Mato | ching Printe | d (Laser Eng | • | | © HID iCLASS UHF | MIFARE UHF YYYY-YY = Sales Order Number |
| iCLASS Card Numberi N - No Printed Card N A - Sequential Match B - Sequential Encode C - Random Encoded | Numbering ing Encoded ed/Sequenti | /Printed (La al Non-Mato | aser Engrave | d (Laser Eng | • | | | |
| Slot Punch N - No Slot Punch | | | | | | | | |
| Option - Custom Artwo | | ify Artwork | Number - R | efer to the C | ustom Artwor | k Forms for | new artwork) | |
| Enter your final card o | ptions from | the above | selections | s. Example: | 6013TGGNI | IN | | |
| Final Part Number | 600 | Т | | | | 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 |

iCLASS 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 |

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

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

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

⁵ Number of bits should remain below 120 bits.

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



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.**

| | | | | • | | | | | |
|--|---------------|--------------|-------------------------|---------------|----------------------|--------------------|---------|------------|---|
| Base Model | | ⊠ 603 | Compos | ite 40% F | Polyester | / PVC* | | | |
| Card Programming | | | | | | | | | |
| J - UHF Programmed | | | | | | | | | |
| | | e Identity O | bject (SIO), | | | | | | |
| H - UHF Programmed MIFARE programmed | | - | | | | 2.125" (5.4 cm) | | Fro | ont Packaging |
| | | , | , , ,, | | | | | | |
| MIFARE Memory Size a | ind Allocat | ion | | | | _ | | | 0.070" |
| M - 4K Bytes | | | | | | | ◀ | | 3.370" (8.57 cm) |
| Front Packaging (selec | | on) | | | | | | | |
| G - Plain White with G | | | | | | 0.033" | | | |
| C - Custom Artwork w | ith Gloss Fi | nish - Spec | ify Custom | Artwork Nu | ımber ^ı (| 0.084 cm) 🖣 | | | |
| Back Packaging (selec G - Plain White with G | - | • | | | | | | | |
| C - Custom Artwork w | ith Gloss Fir | nish - Spec | ify Custom | Artwork Nu | mber ¹ | | | Ва | ck Packaging |
| 1 - Plain White with G | loss Finish v | vith Magne | tic Stripe ² | | | | | | |
| 3 - Custom Artwork w Specify Custom Artwo | | | lagnetic Str | ipe - | | | | | |
| UHF Card Numbering ³ (| (select one | option) | | | | | | | AL MAGNETIC STRIPE HIGH ENERGY - 40000E) |
| N - No Printed Card N | lumbering | | | | | | © HID U | HF MF 1M4P | 4*12345 12345 YYYYYYYYYYY SR |
| A - Sequential Matchi | ing Encoded | I/Printed (L | aser Engra | ved) | | | | | A A |
| B - Sequential Encode | | | | | | | | | MIFARE UHF |
| C - Random Encoded, | /Non-Match | ing Seque | ntial Printed | d (Laser Eng | raved) | | , | /YYYYYYY | ' = Sales Order Number |
| Slot Punch N - No Slot Punch | | | | | | | | | |
| MIFARE Card Numberin | na³ (select | one optio | n) | | | | | | |
| ■ N - No Printed Card N | • | | , | | | | | | |
| A - Sequential Matchi | ing Encoded | I/Printed (L | aser Engra | ved) | | | | | |
| C - Random Encoded, | /Non-Match | ing Seque | ntial Printed | d (Laser Eng | raved) | | | | |
| ☐ B - Sequential Encode | ed/Sequenti | al Non-Ma | tching Print | ted (Laser E | ngraved) | | | | |
| Option - Custom Artwo (Specify Artwork Num | | to the Cust | om Artwork | c Forms for I | new artworl | <) | | | |
| Enter your final card op | ntions from | the above | e selection | ns. Exampl | le: 603.JM | GGANA | | | |
| Final Part Number | 603 | | | | | | N | | (Options #) |
| | 1 | I | | 1 | 1 | 1 | ı | 1 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |



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 |

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

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

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

⁵ Number of bits should remain below 120 bits.

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



HID Proximity Credentials

ProxCard II Card - 1326

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

125 kHz Programming (select one option) 0.070" 2.060 2.125" (0.18 cm) L - Programmed with HID or Indala format (5.23 cm) (5.4 cm) N - HID Prox unprogrammed, for use with iCLASS SE Encoder Front Packaging (select one option) 12345 YYYYYYYY-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" C - Custom Artwork - Specify Custom Artwork Number¹ (8.41 cm) (8.57 cm) **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) 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 |
|--------------|--------------------|-------------|
| | | |

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

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

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

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



DuoProx II Card - 1336 / 1536

| Base Model | | □ 133 | 36 Standaı | rd PVC | □ 1536 | Composi | Composite 40% Polyester / PVC* | | | | | |
|---|-------------------------|--|------------------------------|----------------------------|----------------|---|--------------------------------|------|--|--|--|--|
| 125 kHz Programming L - Programmed with N - Unprogrammed H | HID Prox | or Indala for | | ncoder | | | | | | | | |
| Front Packaging (sele G - Plain White PVC v C - Custom Artwork v | w/ Gloss Fi | nish | ify Custom Aı | rtwork Number ¹ | ((| 2.125" 5.4 cm) | | Fron | nt Packaging | | | |
| Back Packaging (selection of the PVC of the | w/ Gloss Fi | nish ² | sh ² | | | <u> </u> | | | | | | |
| C - Custom Artwork | w/ Gloss F | nish - Spec | ify Custom A | rtwork Number ¹ | 2 | - | | (| 3.370" > | | | |
| Card Numbering³ (sele | hing Encod | led/Printed | | od (Inkinttod)5 | 0.03 (0.084 | 33" =================================== | | | | | | |
| R - Random Encoded A - Sequential Match B - Sequential Encoded | d/Non-Mat ning Encod | ching Seque ed/Printed (| ential Printed (Engraved) | (Inkjetted) ⁵ | | | | | HID CORPORATION | | | |
| C - Random Encoded | d/Non-Mat | ching Sequ | ential Printed | (Engraved) | | | Duol | Pro | $\mathbf{x}^{\mathbf{e}}$ II | | | |
| Slot Punch ⁴ (select on N - No slot punch, Pr V - Vertical Slot Punc | inted Verti | | | | | | (½" H | | NETIC STRIPE gh Energy - 4000 OE) 12345 YYYYYYYYYY | | | |
| ☐ H - Horizontal Slot Pu | unch, Printe | ed Vertical S | Slot Indicators | 3 | | | | | | | | |
| | | | | | | | 12345 = 0 YYYYYYY | | Number Sales Order Number | | | |
| Option - Custom Artwo | (Sp | - | | Refer to the Cus | | Forms for ne | ew Artwork) | | | | | |
| Enter your final card o | ptions fro | m check b | oxes above | . Example: 133 | 36LGGMN | | 1 | | | | | |
| Final Part Number | | | | | | | _ | | (Options #) | | | |
| 125 kHz Card Prog | ramming | Informa | tion | | | | | | | | | |
| Format Number | | Field Name(s) Value e.g. Facility Code | | | QTY | Encod | ed Start Nur | nber | Encoded Stop Number | | | |
| | | | | | | Printe | d Start Numi | ber | Printed Stop Number | | | |
| | | | | | | | | | | | | |



- ¹ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
- ² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. Most part numbers are marked with the sales order number. A custom part number is required to omit all marking from the card. Contact your local support representative for details.
- ³ The Printed card number is placed in the bottom right-hand corner on the back of the card.
- ⁴ Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.
- ⁵ Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.
- ⁶ Programmed 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.

■ 1346 Base Model

Programming (select one option)

L - Programmed with HID Prox or Indala format

N - Unprogrammed HID Prox, for use with iCLASS SE Encoder

Front Packaging

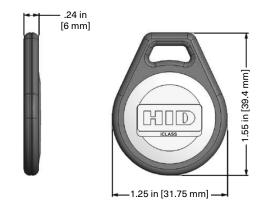
- N ProxKey III Black with grey insert. Includes HID Standard Artwork
- ☐ C ProxKey III Custom Artwork Specify Custom Artwork Number¹

Back Packaging

S - Standard

Keyfob Numbering² (select one option)

- M Sequential Matching Encoded/Printed (Inkjetted)³
- N No Printed Card Numbering
- S Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)³
- R Random Encoded/Non-Matching Sequential Printed (Inkjetted)³
- ☐ A Sequential Matching Encoded/Printed (Engraved)
- **B** Sequential Encoded/Sequential Non-Matching Printed (Engraved)
- C Random Encoded/Non-Matching Sequential Printed (Engraved)



Y = iCLASS Programming 12345 = Card ID Number YYYYYYYYY = Sales Order Number

Additional Options⁴

N - No Option

Enter your final ProxKey® options from check boxes above. Example: 1346LNSMN

| Final Part Number | 1346 | | | S | | N |
|-------------------|------|--|--|---|--|---|
|-------------------|------|--|--|---|--|---|

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 |
| | | | | | |

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

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

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

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



ISOProx II Card - 1386 / 1586

| H - Horizontal Slot Punch, Printed Vertical Slot Indicators Description - Custom Artwork 12345 = Card ID Number 12 | | | | | | | | | | | | |
|--|----------------------------------|--------|-----------|--------------|----------------|----------------------------|------------|-----------|-----------|--------------|------|---------------------|
| Front Packaging (select one option) G - Plain White PVC w/ Gloss Finish - Specify Custom Artwork Number¹ Back Packaging (select one option) G - Plain White PVC w/ Gloss Finish² C - Custom Artwork w/ Gloss Finish² C - Custom Artwork w/ Gloss Finish² C - Custom Artwork w/ Gloss Finish² M - Sequential Matching Encoded/Printed (Inkjetted)5 N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)5 A - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)5 B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) B - Sequential Encoded/Sequential Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) B - Sequential Encoded/Non-Matching Sequential Printed (Engraved) B - | L - Programmed with F | IID Pi | rox or Ir | ndala form | | o do s | | - | | | | |
| G - Plain White PVC w/ Gloss Finish C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹ Back Packaging (select one option) G - Plain White PVC w/ Gloss Finish - Specify Custom Artwork Number¹² C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹² C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹² C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹² C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹² C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹² C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹² M - Sequential Matching Encoded/Printed (Inkjetted)5 N - No Printed Card Numbering S - Sequential Bocoded/Sequential Non-Matching Printed (Inkjetted)5 A - Sequential Encoded/Sequential Non-Matching Printed (Engraved) B - Sequential Encoded/Non-Matching Sequential Printed (Engraved) B - Sequential Encoded/Non-Matching Sequential Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) B - Sequential Encoded/Non-Matching Sequential Printed (Engraved) B - Sequential Encoded/Non-Matching Sequential Printed (Engraved) B - V - Vertical Slot punch, Printed Vertical and Horizontal Slot Indicators V - Vertical Slot Punch, Printed Vertical Slot Indicators Dition - Custom Artwork (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number Field Name(s) e.g. Facility Code Field Name(s) e.g. Facility Code | · - | | | | ASS SE ENC | oder | | | | | | |
| Back Packaging (select one option) G - Plain White PVC w/ Gloss Finish² C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹² Card Numbering (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)5 R - Random Encoded/Sequential Non-Matching Printed (Inkjetted)5 A - Sequential Matching Encoded/Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)5 C - Random Encoded/Non-Matching Sequential Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) B - Sequential Encoded/Non-Matching Sequential Printed (Engraved) B - Sequential Encoded/Non-Matching Sequential Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) B - Sequential Encoded/Sequential Printed (Engraved) B - Sequential Encoded/Sequ | _ | | • | • | | | | | | | Fron | t Packaging |
| G - Plain White PVC w/ Gloss Finish² C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹² C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹² Card Numbering (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)5 N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)5 A - Sequential Encoded/Non-Matching Sequential Printed (Inkjetted)5 A - Sequential Encoded/Non-Matching Sequential Printed (Engraved) B - Sequential Encoded/Non-Matching Sequential Printed (Engraved) C - Random Encoded/Non-Matching Sequential Printed (Engraved) Slot Punch⁴ (select one option) N - No slot punch, Printed Vertical and Horizontal Slot Indicators V - Vertical Slot Punch, Printed Vertical Slot Indicators H - Horizontal Slot Punch, Printed Vertical Slot Indicators 12345 = Card ID Number YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY | C - Custom Artwork w | / Glos | ss Finish | h - Specify | Custom Art | work Number | -1 | | | | | |
| Card Numbering (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 A - Sequential Matching Encoded/Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) C - Random Encoded/Non-Matching Sequential Printed (Engraved) B - Sequential Encoded/Non-Matching Sequential Printed (Engraved) Slot Punch (select one option) N - No slot punch, Printed Vertical and Horizontal Slot Indicators V - Vertical Slot Punch, Printed Vertical Slot Indicators H - Horizontal Slot Punch, Printed Vertical Slot Indicators 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: 1386LGGMN Final Part Number Field Name(s) e.g. Facility Code (8.57 cm) (0.084 cm) (8.57 cm) (0.084 cm) (8.57 cm) (0.084 cm) (0.085 cm) (0.086 cm) (0 | | | - | • | | | | | | | | |
| M - Sequential Matching Encoded/Printed (Inkjetted)5 N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)5 R - Random Encoded/Sequential Printed (Inkjetted)5 A - Sequential Encoded/Printed (Engraved) B - Sequential Encoded/Printed (Engraved) B - Sequential Encoded/Printed (Engraved) C - Random Encoded/Non-Matching Sequential Printed (Engraved) Slot Punch¹ (select one option) N - No slot punch, Printed Vertical and Horizontal Slot Indicators V - Vertical Slot Punch, Printed Horizontal Slot Indicators H - Horizontal Slot Punch, Printed Vertical Slot Indicators 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: 1386LGGMN Final Part Number Field Name(s) e.g. Facility Code ON - Sequential Matching Encoded/Printed (Inkjetted)5 Back Packaging Back | C - Custom Artwork w | / Glos | ss Finish | h - Specify | Custom Art | work Number | -1,2 | | | | | 3.370" |
| N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁵ A - Sequential Matching Encoded/Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) Back Packaging | - , | | - | • | nkjetted)5 | | | | = == | | (8 | 3.57 cm) |
| S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁵ A - Sequential Matching Encoded/Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) C - Random Encoded/Non-Matching Sequential Printed (Engraved) Slot Punch¹ (select one option) N - No slot punch, Printed Vertical and Horizontal Slot Indicators V - Vertical Slot Punch, Printed Horizontal Slot Indicators H - Horizontal Slot Punch, Printed Vertical Slot Indicators (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number Field Name(s) e.g. Facility Code Back Packaging B | | | | , | ,,. | | (0.00 | , 1 0111, | | | | |
| A - Sequential Matching Encoded/Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) C - Random Encoded/Non-Matching Sequential Printed (Engraved) N - No slot punch (select one option) N - No slot punch, Printed Vertical and Horizontal Slot Indicators V - Vertical Slot Punch, Printed Horizontal Slot Indicators H - Horizontal Slot Punch, Printed Vertical Slot Indicators 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: 1386LGGMN Final Part Number Field Name(s) e.g. Facility Code Back Packaging Back Packagi | _ | | _ | l Non-Mato | ching Printed | d (Inkjetted) ⁵ | | ' | | | | • • • |
| B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) C - Random Encoded/Non-Matching Sequential Printed (Engraved) Slot Punch¹ (select one option) N - No slot punch, Printed Vertical and Horizontal Slot Indicators V - Vertical Slot Punch, Printed Horizontal Slot Indicators H - Horizontal Slot Punch, Printed Vertical Slot Indicators 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: 1386LGGMN Final Part Number Field Name(s) e.g. Facility Code Back Packaging Field Name(s) Encoded Start Number Encoded Stop Number Encoded Stop Number | R - Random Encoded/ | Non-l | Matchir | ng Sequen | tial Printed (| nkjetted) ⁵ | | | | | | |
| □ C - Random Encoded/Non-Matching Sequential Printed (Engraved) Slot Punch⁴ (select one option) □ N - No slot punch, Printed Vertical and Horizontal Slot Indicators □ V - Vertical Slot Punch, Printed Horizontal Slot Indicators □ H - Horizontal Slot Punch, Printed Vertical Slot Indicators □ 12345 = Card ID Number | A - Sequential Matchir | ng End | coded/l | Printed (Er | ngraved) | | | | | | | |
| Slot Punch¹ (select one option) N - No slot punch, Printed Vertical and Horizontal Slot Indicators V - Vertical Slot Punch, Printed Horizontal Slot Indicators H - Horizontal Slot Punch, Printed Vertical Slot Indicators 12345 = Card ID Number YYYYYYYYY = Sales Order Number (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number Format Number Field Name(s) e.g. Facility Code QTY Encoded Start Number Encoded Stop Number | ☐ B - Sequential Encode | d/Sed | quential | l Non-Mate | ching Printed | d (Engraved) | | | | | Back | k Packaging |
| N - No slot punch, Printed Vertical and Horizontal Slot Indicators V - Vertical Slot Punch, Printed Horizontal Slot Indicators H - Horizontal Slot Punch, Printed Vertical Slot Indicators H - Horizontal Slot Punch, Printed Vertical Slot Indicators 12345 = Card ID Number YYYYYYYY = Sales Order Number (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number | C - Random Encoded/ | Non-l | Matchir | ng Sequen | tial Printed (| 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: 1386LGGMN Final Part Number - (Option - Custom Artwork Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number - (Option - Custom Artwork Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number - (Option - Custom Artwork Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number - (Option - Custom Artwork Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number - (Option - Custom Artwork Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number - (Option - Custom Artwork Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number - (Option - Custom Artwork Forms for new Artwork) | N - No slot punch, Prin | ted V | ertical a | | | icators | | | H | D | | 12345 YYYYYYYYYY |
| Option - Custom Artwork (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number – (Option | ☐ H - Horizontal Slot Pun | ch, P | rinted V | /ertical Slo | t Indicators | | | | | | | |
| Option - Custom Artwork (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number — (Option | | | | | | | | | | | | |
| Enter your final card options from check boxes above. Example: 1386LGGMN Final Part Number — (Option | Option - Custom Artwor | k¹ | | | | | | | | | | aics Order Number |
| Final Part Number — (Option 125 kHz Card Programming Information Format Number | | (S | Specify | Artwork N | umber - Refe | er to the Custo | om Artwork | Forms fo | or new A | rtwork) | | |
| 125 kHz Card Programming Information Format Number Field Name(s) e.g. Facility Code QTY Encoded Start Number Encoded Stop Number | Enter your final card op | tions | from o | check box | es above. | Example: 13 | 86LGGMN | | | | | |
| Format Number Field Name(s) e.g. Facility Code Field Name(s) Field Nam | Final Part Number | | | | | | | | | _ | | (Options # |
| Format Number Field Name(s) e.g. Facility Code Value QTY Encoded Start Number Encoded Stop Number | | | | | | | | | | ı | | |
| e.g. Facility Code | 125 kHz Card Progra | mm | ing In | formatio | on | | | | | | | |
| Printed Start Number Printed Stop Number | Format Number | | | | e | Value | QTY | E | Encoded | l Start Numi | ber | Encoded Stop Number |
| | | | | | | | | F | Printed S | Start Numbe | er | Printed Stop Number |
| | | | | | | | | | | | | |

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

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

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

⁴ Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.

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 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] **B** - Standard beige finish 2.660 **Back Packaging** [67.6 mm] **S** - Standard HID logo Tag Numbering (select one option) **Front Packaging Back Packaging** N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) 12345 = Card ID Number YYYYYYYYY = Sales Order Number **Hardware Option** N - None Enter your final Tag options from check boxes above. Example: 1351LBSMN S **Final Part Number** 1351 N (Optional Artwork #) 125 kHz Tag Programming Information¹

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

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

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).



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 one L - Programmed with HID N - Unprogrammed HID I Front Packaging (select o S - Gray with HID Standal G - Plain Gray Finish, (No C - Custom Artwork - Spel Back Packaging³ S - Adhesive Backing Tag Numbering² (select or M - Sequential Matching N - No Printed Tag Numb S - Sequential Encoded/S | Prox or Indala format Prox for use with iCLASS SE ne option) rd Artwork Artwork) rcify Custom Artwork Number ne option) Encoded/Printed (Inkjetted) | er1 ³ inted (Inkjetted) ³ | | M | ICROPRO 7 | 1.285" (32.639mm 0.070" (1.78 mm) |
| Slot Punch N - None | | | | | | |
| Optional Custom Artwork Enter your final Tag option | (Specify Artwork Number | | | Forms for new Artv | vork) | |
| Final Part Number | 1391 | | S | N | - | (Options #) |
| 125 kHz Tag Programn | ning Information | | | | | |
| | | | 1 | | | |
| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Sta | rt Number | Encoded Stop Number |
| | | | | | | |
| | | | | Printed Start | Number | Printed Stop Number |
| | | | | | | |

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

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

² The 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.

³ Please 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.



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.

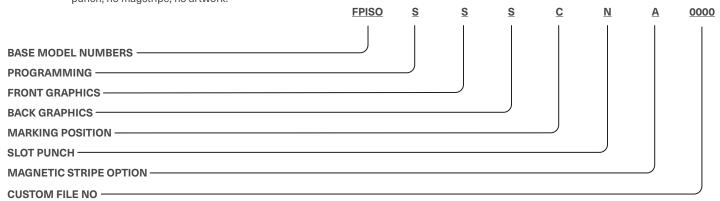
- SLOT PUNCH Specifies slot location if available.
- . CARD OPTIONS Applies to FlexCard™ (Base Model FPCRD/CXCRD) only.
- · MAGNETIC STRIPE OPTION Specifies if card is to have a magstripe and which type (ISO Imageable Cards only).
- CUSTOM FILE NUMBER Specifies the artwork number to be used.



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

S = 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.

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)

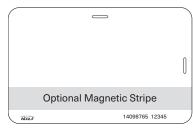
MAGNETIC STRIPE OPTION

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)



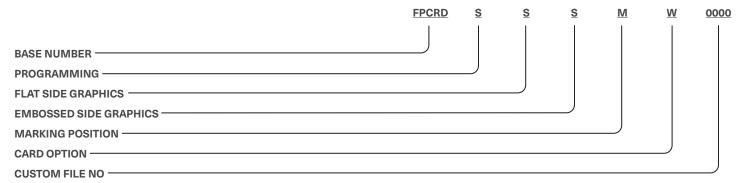
Position C



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.
- 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)

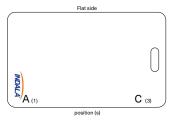
CARD OPTION

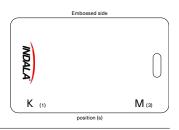
- W = White (standard color) surface treated with UV protection may not accept printing
- P = Printable, matt finish No varnish, no logo, surface will accept post printing

CUSTOM FILE NUMBER (4 Characters - Factory Assigned)

0000 = No Artwork

Call your Customer Service Representative for new artwork



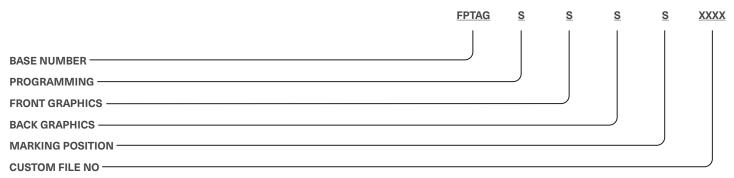




FPTAG - FlexTag

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.

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.

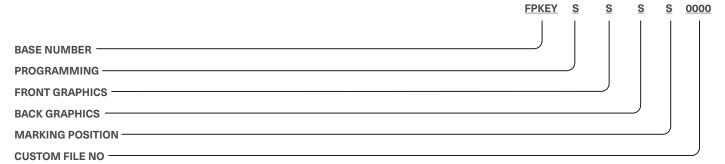
In order to support laser marking technology HID will be transitioning from a white release paper to a black release paper. Please consult your sales Account Manager for more information.



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

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)

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

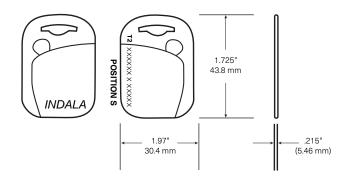
Notes:

- 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.
- 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 DESFire® Credentials

HID Global DESFire EV3 credentials are available with a range of programming profiles to meet high security requirements using the Secure Identity Object™ (SIO), offer compatibility with existing EV1 based infrastructure or meet custom specifications. There are three core programming profiles:

· High Security Profile

A Secure Identity Object (SIO) based DESFire EV3 application that utilizes the latest security features combined with random UID for enhanced privacy protection. Compatible with HID Signo™ Reader firmware 10.0.2.4 or higher.

· Compatibility Profile

Offers the flexibility of backwards compatibility with iCLASS SE® readers and third party readers that rely on static UID through the introduction of an additional legacy EV1 Secure Identity Object (SIO) application. Based on static UID for compatibility.

This option includes:

- · Legacy EV1 SIO Application
 - Compatibility: Supported by HID Signo, iCLASS SE and multiCLASS SE readers
- · EV3 SIO Application
 - Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

Custom Profile

Available programmed to meet custom specifications, or unprogrammed for full in-field personalization compatible with EV1, EV2, or EV3 compliant solutions.

| | | Base Part | Number | | DESFire Compatibility | | | |
|-----------------------|--------------------------|---------------------------------|--------------------------------------|--|---|--|--|--|
| | Mifare DESFire EV3 | Mifare DESFire EV3 + Prox | Mifare DESFire EV3 + iCLASS | Mifare DESFire EV3 + iCLASS + Prox | Readers | CP1000 | | |
| High Security Profile | 802 | 812 | 822 | 832 | Signo Reader (firmware 10.0.2.4 or greater) | Custom Application Programming with Non-Diversified keys | | |
| Compatibility Profile | 801 | 811 | 821 | 831 | Signo Reader, iCLASS SE, multiCLASS SE | EV1 SIO and Custom Application Programming | | |
| Custom Profile | 800 | 810 | 820 | 830 | iCLASS SE "W" Custom Profile, multiCLASS SE "W" Custom Profile | EV1 Custom Application Programming | | |



MIFARE DESFire EV3 Card: High Security Profile - 802

Advanced security and privacy, programmed with an enhanced Secure Identity Object (SIO) based application that leverages new features of EV3. Introduces Random UID support to ensure privacy of user data.

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

| Base Model 802 Composite (40% Polyeste | er/PVC) | | | | |
|---|--------------------------------|----------|------------------------------|------------------------------|-------------|
| MIFARE DESFire EV3 Memory Size ☑ F - 8K Bytes | | - | | 3.370" -(8.57 cm) | |
| Secure Identity Object Programming¹ P - Programmed with EV3 Secure Identity Object (SIO) application. Based on Random UID for improved privacy of user data. | | | | . , | |
| Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ³ | 2.125" (5.4 cm) | | Fr | ont Packaging | |
| Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number².³ ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number².³ | 0.033" (0.084 cm) | | Sh | ared Card Edge | |
| 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) | | | Bá | ck Packaging | |
| Slot Punch ☑ N - No Slot Punch. | | © HID DE | ESFire D83X | 12345 YYYYYYYYY SE | хт |
| IMPORTANT: 802 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. | | | 345 = Card ID YYYYYY-YY = | Number Sales Order Number | |
| Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Pour final card options from check boxes above. Example: 802FPPC | | new Arty | work) | | |
| Final Part Number 802 F P | | N | _ | (| (Options #) |
| DESFire EV3 Card Programming Information | | | | | |

| Format Number | |
|---------------|--|
| HID Elite ICE | |
| THE LINE IOL | |

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

| QTY | |
|-----|--|
| | |
| | |

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

¹ Third party applications are required to support random UID, if in doubt, consult with the application vendor. Card allows free create/delete of third party applications.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small "HID logo" "HID" and reference number printed in the lower left-hand corner on the back of the card. A custom part number is required to omit all marking.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

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



MIFARE DESFire EV3 Card: Compatibility Profile - 801

Offers the flexibility of backwards compatibility with iCLASS SE readers and third party readers that rely on static UID through the introduction of an additional legacy EV1 Secure Identity Object (SIO) application. Based on static UID for compatibility.

Legacy EV1 SIO Application Compatibility: Supported by HID Signo, iCLASS SE and multiCLASS SE readers.

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

| Base Model 801 Composite (40% Polyes | ter/PVC |) | | | | |
|---|--------------|------------|--------|--------------|---|-------------|
| MIFARE DESFire EV3 Memory Size ☑ F - 8K Bytes | | | | | 3.370" (8.57 cm) | |
| DESFire Secure Identity Object Programming¹ ☐ P - Programmed with legacy EV1 Secure Identity Object (SIO) application plus EV3 Secure Identity Object (SIO) application ☐ V - Unprogrammed for use with iCLASS SE Encoder (EV1 compatible SIO application programming only) | 2.12 (5.4 | | | Fro | ont Packaging | |
| Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number³ | 0.033" | | | Cha | red Card Edge | |
| Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number².³ ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number².³ | (0.084 cn | | | | ck Packaging | |
| 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) | | | | 15 = Card ID | 12345 YYYYYYYYYY SE Number Sales Order Number | хт |
| Slot Punch N - No Slot Punch. 801 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 | | | | | | |
| Option - Custom Artwork³ Specify Artwork Number - Refer to the Custom Enter your final card options from check boxes above. Example: 801FPC | | orms for I | new Ar | twork) | | |
| Final Part Number 801 F | | | N | _ | | (Options #) |



DESFire EV3 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 |

¹ Card allows free create/delete of third party applications.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small "HID logo" "HID" and reference number printed in the lower left-hand corner on the back of the card. A custom part number is required to omit all marking.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

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



MIFARE DESFire EV3 Card: Custom Profile - 800

Available customized for bespoke specifications, or unprogrammed for full in-field personalization compatible with EV1, EV2 or EV3 compliant solutions. Compatibility: Supported by custom profile HID Signo, iCLASS SE and multiCLASS SE readers.

| Base Model | 800 Compos | site (40% | Polyes | ter/PVC) | |
|---|--------------------------------------|------------------|---------------------------|------------------------------|-------------|
| MIFARE DESFire EV3 Memory Size ☑ F - 8K Bytes | | | | 3.370" (8.57 cm) | |
| DESFire Programming (select one option) | 2.125" (5.4 cm) | | Fro | nt Packaging | |
| Front Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number³ | | | | | |
| Back Packaging (select one option) G - Plain White with Gloss Finish ² | 0.033" *** (0.084 cm) *** | | Sha | red Card Edge | |
| 1 - Plain White with Gloss Finish with Magnetic Stripe ² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number ^{2,3} | ` | | Bac | ck Packaging | |
| Card Numbering⁴ (select one option) | | © IIID DESFire I | D83X | 12345 YYYYYYYYYY SE | хт |
| Slot Punch N - No Slot Punch. | | | = Card ID I YYY-YY = S | Number Sales Order Number | |
| IMPORTANT: 80 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 | | | | | |
| Option - Custom Artwork³ (Specify Artwork Number - Refer to the Custom Enter your final card options from check boxes above. Example: 800FN0 | Artwork Forms fo | r new Artw | ork) | | |
| Final Part Number 800 F | | N | - | | (Options #) |



DESFire EV3 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 |
| | | | | | |

¹ Contact your local sales or pre-sales representative, HID requires a full written specification, additional lead time applies for setup, test, and evaluation of custom profiles.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small "HID logo" "HID" and reference number printed in the lower left-hand corner on the back of the card. A custom part number is required to omit all marking.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

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



MIFARE DESFire EV3 + Prox Card: High Security Profile - 812

Migration solution from HID Proximity to enhanced security and privacy on EV3, programmed with an enhanced Secure Identity Object (SIO) based application that leverages new features of EV3. Introduces Random UID support to ensure privacy of user data.

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

| Ensure each required option has been checked with the appropriate choice to fu | Ifill a completed or | order form. | |
|---|----------------------|---|--------|
| Base Model 812 Composite (40% Polyes | ter/PVC) | | |
| MIFARE DESFire EV3 Memory Size ☑ F - 8K Bytes DESFire Secure Identity Object Programming¹ ☑ P - Programmed with EV3 Secure Identity Object (SIO) application. Based on Random UID for improved privacy of user data. | | 3.370" (8.57 cm) | |
| Prox Programming (select one option) ☐ P - Programmed with HID Prox or Indala format ☐ N - Unprogrammed HID Prox for iCLASS SE encoder (CP1000) | 2.125" (5.4 cm) | Front Packagino |] |
| Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ³ | 0.033" V (0.084 cm) | Shared Card Edg | Je |
| Back Packaging (select one option) 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 ^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - | | Back Packaging | J |
| Specify Custom Artwork Number ^{2,3} DESFire Card Numbering ⁴ (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) | | 12345 YYY 12345 YYY 12345 = Card ID Number YYYYYYYYYYY = Sales Order | Number |
| Slot Punch N - No Slot Punch. IMPORTANT: 812 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 | | | |
| 125 kHz Card Numbering ⁴ 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) Option - Custom Artwork ³ | | | |
| Option - Custom Artwork³ (Specify Artwork Number - Refer to the Custom Ar | twork Forms for n | new Artwork) | |

N

(Options #)

Enter your final card options from check boxes above. Example: 812FPPGGANA

P

F

812

Final Part Number



DESFire EV3 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 |

DESFire EV3 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 |
| | | | | | |

¹ Third party applications are required to support random UID, if in doubt, consult with the application vendor. Card allows free create/delete of third party applications.

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

³ Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small "HID logo" "#IID" and reference number printed in the lower left-hand corner on the back of the card. A custom part number is required to omit all marking.

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



MIFARE DESFire EV3 + Prox Card: Compatibility Profile - 811

Migration solution from Proximity that offers the flexibility of backwards compatibility with iCLASS SE readers and third party readers that rely on static UID through the introduction of an additional legacy EV1 Secure Identity Object (SIO) application. Based on static UID for compatibility.

Legacy EV1 SIO Application Compatibility: Supported by HID Signo, iCLASS SE and multiCLASS SE readers.

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

| Base Model 811 Composite (40% Polyes | ter/PVC) | | | | | |
|--|-------------------------|----------|---------------------------|-----------|------------------------|-------------|
| MIFARE DESFire EV3 Memory Size ☑ F - 8K Bytes | | - | | | 370" 7 cm) | |
| DESFire Secure Identity Object Programming¹ ☐ P - Programmed with legacy EV1 Secure Identity Object (SIO) application plus EV3 Secure Identity Object (SIO) application. ☐ V - Unprogrammed for use with iCLASS SE Encoder (EV1 compatible SIO application programming only) | 2.125 (5.4 cr | | | Front P | ackaging | |
| Prox Programming (select one option) ☐ P - Programmed with HID Prox or Indala format ☐ N - Unprogrammed HID Prox for iCLASS SE encoder (CP1000) | | | | | | |
| Front Packaging (select one option) | 0.033" == (0.084 cm) | <u> </u> | | Shared (| Card Edge | |
| ☐ G - Plain White with Gloss Finish ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ³ | (0.084 CIII) | | | | | |
| Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number²³ ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - | | | | Back Pa | ackaging | |
| Specify Custom Artwork Number ^{2,3} | | | | | | |
| 13.56 MHz DESFire Card Numbering⁴ (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) | | | DESFire D83X 12345 = Cal | rd ID Num | nber s Order Number | |
| Slot Punch ☑ N - No Slot Punch. | | | | | | |
| IMPORTANT: 811 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 | | | | | | |
| 125 kHz Card Numbering⁴ ☐ 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) | | | | | | |
| Option - Custom Artwork³ (Specify Artwork Number - Refer to the C | ustom Artwo | rk Forms | for new Art | work) | | |
| Enter your final card options from check boxes above. Example: 811FPF | PGGANA | | | | | |
| Final Part Number 811 F | | N | | _ | | (Options #) |



DESFire EV3 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 |
| | | | | | |

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 |
| | | | | | |

¹ Card allows free create/delete of third party applications.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small "HID logo" "HID" and reference number printed in the lower left-hand corner on the back of the card. A custom part number is required to omit all marking.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

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



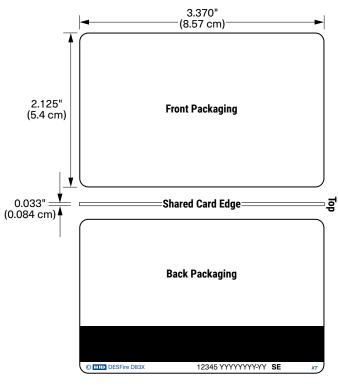
MIFARE DESFire EV3 + Prox: Custom Profile - 810

Migration solution from Proximity to either fully customized bespoke DESFire specifications, or unprogrammed for full in-field personalization with EV1, EV2 or EV3 compliant solutions.

Compatibility: Supported by custom profile HID Signo, iCLASS SE and multiCLASS SE readers.

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

 ■ 810 Composite (40% Polyester/PVC) **Base Model MIFARE DESFire EV3 Memory Size** F - 8K Bytes DESFire EV3 DESFire Programming (select one option) **DESFire Programming (select one option)** N - Unprogrammed for use with iCLASS SE Encoder (EV1 custom encoding only) or third-party EV1, EV2 or EV3 applications. S - Custom EV1, EV2 or EV3 programming (custom part number required)1 **Prox Programming (select one option)** P - Programmed with HID Prox or Indala format N - Unprogrammed HID Prox for iCLASS SE encoder (CP1000) Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish -Specify Custom Artwork Number³ Back Packaging (select one option) ☐ **G** - Plain White with Gloss Finish² 1 - Plain White with Gloss Finish with Magnetic Stripe² C - Custom Artwork with Gloss Finish -Specify Custom Artwork Number^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number^{2,3} 13.56 MHz DESFire Card Numbering4 (select one option) ■ N - No Printed Card Numbering ■ A - Sequential Matching Encoded/Printed (Laser Engraved)⁴ **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: 810 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. 125 kHz Card Numbering4 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) Option - Custom Artwork³



12345 = Card ID Number YYYYYYYYY = Sales Order Number

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



Enter your final card options from check boxes above. Example: 810FNPGGNNA

| | 810 F | | N | _ | (Options #) |
|--|-------|--|---|---|-------------|
|--|-------|--|---|---|-------------|

DESFire EV3 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 |

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 |

¹ Contact your local sales or pre-sales representative, HID requires a full written specification, additional lead time applies for setup, test, and evaluation of custom profiles.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small "HID logo" "HID" and reference number printed in the lower left-hand corner on the back of the card. A custom part number is required to omit all marking.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

⁴ The Printed card number is placed in the bottom right-hand corner on the back of the card. The permanent unique MIFARE DESFire 56 Bit serial # cannot be printed on cards.



MIFARE DESFire EV3 + iCLASS 32k Technology Card: High Security Profile - 822

Enhanced security and privacy on EV3, programmed with an enhanced application that leverages the new features of EV3 plus a Secure Identity Object (SIO). Offers iCLASS technology to simplify card issuance for diverse systems or migration projects.

DESFire EV3 Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

IMPORTANT - 822 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.

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

■ 822 Composite (40% Polyester/PVC) **Base Model MIFARE DESFire EV3 Memory Size** 3.370" ▼ F-8K Bytes (8.57 cm) **iCLASS 32K Memory Configuration** 3 - 32k bit (4K bytes) application areas 16k/2+16k/1 4 - 32k bits (4K bytes) application areas 16k/16+16k/1 2 125" **Front Packaging DESFire Secure Identity Object Programming¹** (5.4 cm) P - Programmed with enhanced EV3 application with Secure Identity Object (SIO) Based on random UID for improved ISO14443A privacy of user data. Compatible with Signo Reader firmware 10.0.2.4 or higher. This profile is not compatible with iCLASS/MultiCLASS rev E. iCLASS Programming (select one option) 0.033" Shared Card Edge (0.084 cm) P - Programmed with Secure Identity Object (SIO) S - Programmed with Secure Identity Object (SIO) and standard iCLASS access control application H - Programmed with standard iCLASS access control application **Back Packaging** C - Unprogrammed for use with iCLASS SE Encoder (standard iCLASS application programming only) Front Packaging (select one option) G - Plain White with Gloss Finish 12345 YYYYYYYYYY SE C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number³ **Back Packaging (select one option)** 12345 = Card ID Number ☐ **G** - Plain White with Gloss Finish² YYYYYYYYY = Sales Order Number 1 - Plain White with Gloss Finish with Magnetic Stripe² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number^{2,3} **DESFire 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.



| iCLASS Card Numb | ering⁴ (| select (| one opti | on) | | | | | | | | |
|----------------------------|----------|----------|-----------|-------------|------------|---------|-------------|---------|-------------|------------|-----|---------------------|
| ■ N - No Printed Ca | rd Numb | ering, s | ales num | ber mark | ing only | | | | | | | |
| A - Sequential Ma | tching E | ncoded | /Printed | (Laser En | graved) | | | | | | | |
| ☐ B - Sequential En | coded/S | equentia | al Non-M | atching P | rinted (La | ser Eng | graved) | | | | | |
| C - Random Enco | ded/Nor | n-Match | ina Seau | ential Prir | nted (Lase | r Engra | ved) | | | | | |
| | | | 5 1 | | , | 9 | , | | | | | |
| Option - Custom Ar | twork | (0 :(| | | D () | 0 | | . – | | | | |
| Ш | | (Specify | / Artwork | Number | - Refer to | the Cus | stom Artwor | k Forms | for new Art | work) | | |
| Enter your final car | d optior | s from | check b | oxes ab | ove. Exai | mple: 8 | 322F4PPGG | SANA | | | | |
| Final Part Number | 822 | F | | Р | | | | | N | | _ | (Options #) |
| | | | 1 | | | 1 | | | | | | |
| DESFire EV3 Car | d Prog | ıramm | ing Info | ormatio | n | | | | | | | |
| | | | | | | | | | | | | |
| Format Number | | | Name(s) | | Val | lue | QTY | | Encoded S | Start Numl | ber | Encoded Stop Number |
| | | c.g. i | acinty O | ouc | | | - | | | | | |
| HID Elite ICE/MOB | # | | | | | | _ | | Printed St | ort Numbe | | Printed Stop Number |
| HID EIILE ICE/IVIOB | # | | | | | | _ | - | Fillited 3t | art Numbe | 71 | Filited Stop Number |
| | | | | | | | | L | | | | |
| iCLASS Card Pro | gramn | ning Ir | nformat | tion | | | | | | | | |
| | | | | | | | | | | | | |
| Format Number | | | Name(s) | | Va | lue | QTY | | Encoded S | Start Numl | ber | Encoded Stop Number |
| | | | | | | | | | | | | |
| HID Elite ICE | | | | | | | | | Printed St | art Numbe | er | Printed Stop Number |
| | | | | | | | | | | | | |

¹ Third party applications are required to support random UID, if in doubt, consult with the application vendor. Card allows free create/delete of third-party applications.

² Cards ordered with plain white front and back packaging, or with custom artwork, will still have the HID logo and reference artwork "HID" printed in the lower left-hand corner. A custom part number is required to omit the HID logo and reference artwork.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.

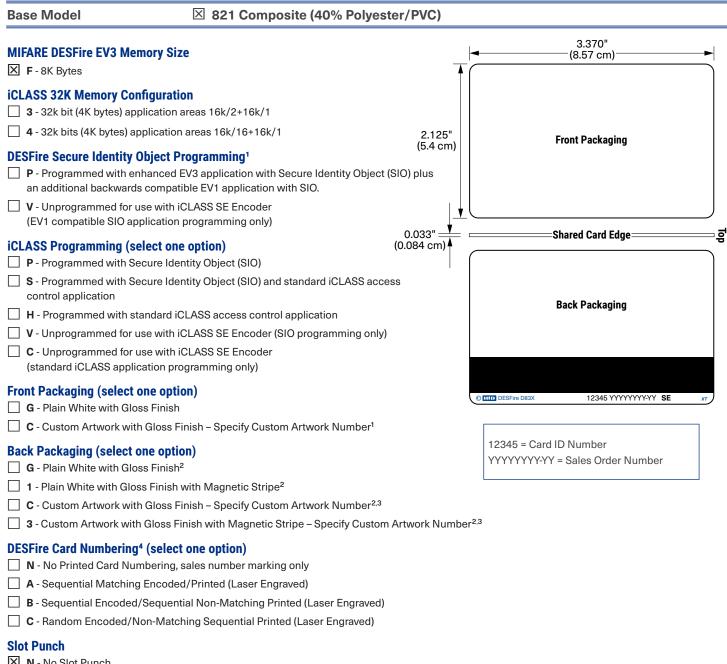


MIFARE DESFire EV3 + iCLASS Card: Compatibility Profile - 821

Offers the flexibility of DESFire EV3 backwards compatibility with iCLASS SE readers and third-party applications that rely on static UID. Programmed additionally with the enhanced application that leverages the new features of EV3 plus a Secure Identity Object (SIO) that is supported by HID Signo readers with firmware 10.0.2.4 or greater. Offers iCLASS technology to simplify card issuance for diverse systems or migration projects.

DESFire EV3 Compatibility: Supported by HID Signo reader, iCLASS SE and multiCLASS SE.

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



N - No Slot Punch.

IMPORTANT - 822 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.



| iCLASS Card Numb | ering4 (s | select (| one optic | on) | | | | | | | | |
|----------------------------|--------------------|----------|----------------|--------------|-------------|----------|-------------|----------|------------------|-----------|-----|----------------------------|
| N - No Printed Ca | rd Numb | ering, s | ales num | ber mark | ing only | | | | | | | |
| A - Sequential Ma | atching Er | ncoded | /Printed | (Laser Er | ngraved) | | | | | | | |
| ☐ B - Sequential En | coded/Se | equentia | al Non-M | atching F | Printed (La | aser Eng | graved) | | | | | |
| C - Random Enco | ded/Non | -Match | ing Sequ | ential Pri | nted (Lase | er Engra | aved) | | | | | |
| Option - Custom Ar | twork ³ | | | | | | | | | | | |
| Coption - Custom Ai | | (Specify | / Artwork | Number | - Refer to | the Cu | stom Artwor | k Forms | for new Art | work) | | |
| | | (орооп) | 7 11 200 01 10 | - realine of | 110101 10 | tilo ou | | KT OTTIO | 101 11011 7 11 0 | worky | | |
| Enter your final car | d option | s from | check b | oxes ab | ove. Exa | mple: 8 | 821F4PPG | GANA | | | | |
| Final Part Number | 821 | F | | | | | | | N | | _ | (Options #) |
| | | | | | | | | | | | | |
| DESFire EV3 Car | d Prog | ramm | ing Info | ormatio | on | | | | | | | |
| | | | | | | _ | | | | | | |
| Format Number | | | Name(s) | • | Va | lue | QTY | | Encoded S | Start Num | ber | Encoded Stop Number |
| | | o.g | | | | | | | | | | |
| HID Elite ICE | | | | | | | | | Printed St | art Numbe | er | Printed Stop Number |
| | | | | | | | | | | | | P |
| | | | | | | | | | | | | |
| iCLASS Card Pro | gramm | ning Ir | ıformat | tion | | | | | | | | |
| | | | | | | | | | | | | |
| Format Number | | | Name(s) | • | Va | lue | QTY | | Encoded S | Start Num | ber | Encoded Stop Number |
| | | | | | | | | | | | | |
| HID Elite ICE | | | | | | | | | Printed St | art Numb | er | Printed Stop Number |
| | | | | | | | | | | | | |

 $^{^{\}rm 1}\,\text{Card}$ allows free create/delete of third-party applications.

² Cards ordered with plain white front and back packaging, or with custom artwork, will still have the HID logo and reference artwork "HID" printed in the lower left-hand corner. A custom part number is required to omit the HID logo and reference artwork.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.



MIFARE DESFire EV3 + iCLASS 32K Card: Custom Profile - 820

Available customized to bespoke specifications, or unprogrammed for full in-field personalization compatible with EV1, EV2, or EV3 compliant solutions. Offers iCLASS technology to simplify card issuance for diverse systems or migration projects.

Compatibility: Supported by custom profile HID Signo, iCLASS SE and multiCLASS SE readers.

IMPORTANT - 820 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.

| Card without SIO encoding Base Model ⊠ 820 Composite (40% Polyes | ter/PVC) | |
|--|---------------------------------------|---|
| MILLER DECE: EVO. 14 | | 3.370" (8.57 cm) |
| MIFARE DESFire EV3 Memory Size ☑ F - 8K Bytes | - | (8.57 CIII) |
| iCLASS 32K Memory Configuration 3 - 32k bit (4K bytes) application areas 16k/2+16k/1 4 - 32k bits (4K bytes) application areas 16k/16+16k/1 DESFire Programming¹ (select one option) N - Unprogrammed DESFire EV3 for use with iCLASS SE Encoder | 2.125" (5.4 cm) | Front Packaging |
| (EV1 custom encoding only) or third-party EV1, EV2, or EV3 applications. S - Custom MIFARE DESFire EV1, EV2, or EV3 programming, requires custom part number. | $\downarrow \stackrel{\downarrow}{-}$ | |
| iCLASS Programming (select one option) | 0.033" = (0.084 cm) | Shared Card Edge |
| P - Programmed with Secure Identity Object (SIO) S - Programmed with Secure Identity Object (SIO) and standard iCLASS accountries application H - Programmed with standard iCLASS access control application V - Unprogrammed for use with iCLASS SE Encoder (SIO programming only) C - Unprogrammed for use with iCLASS SE Encoder (standard iCLASS application programming only) | | Back Packaging |
| Front Packaging (select one option) | | © IIID DESFire D83X 12345 YYYYYYYYY SE xT |
| G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish − Specify Custom Artwork Number³ | | |
| Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number².³ ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom | n Artwork Number | 12345 = Card ID Number YYYYYYYYY = Sales Order Number |
| DESFire 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) Z - Reversed UID (CSN) decimal card numbering only (Laser Engraved) Slot Punch | | |



| iCLASS Card Numb | oering⁴ (| select | one opti | ion) | | | | | | | | |
|----------------------------|-----------|----------|---------------------|----------|---------------|---------|------------|--------|---------------|---------------|-----|-------------------------|
| ■ N - No Printed Ca | ard Numb | ering, s | ales num | nber mar | rking only | | | | | | | |
| A - Sequential Ma | atching E | incoded | l/Printed | (Laser E | Engraved) | | | | | | | |
| ☐ B - Sequential En | coded/S | equenti | al Non-M | 1atching | Printed (La | ser Eng | raved) | | | | | |
| Option - Custom A | rtwork¹ | | | | | | | | | | | |
| | | (Specify | y Artwork | k Numbe | er - Refer to | the Cus | stom Artwo | k Form | s for new Art | work) | | |
| Enter your final car | d optior | ns from | check l | ooxes a | bove. Exai | mple: 8 | 20F4NPG | GNNA | | | | |
| Final Part Number | 820 | F | | | | | | | N | | - | (Options #) |
| | | | | | | | ' | | ' | | | |
| DESFire EV3 Ca | rd Prog | ıramm | ing Inf | ormati | ion | | | | | | | |
| | | | | | | | | | | | | |
| Format Number | | | Name(s acility C | • | Val | ue | QTY | | Encoded S | Start Numl | ber | Encoded Stop Number |
| | | | | | | | | | | | | |
| | | | | | | | | | Printed St | art Numbe | er | Printed Stop Number |
| | | | | | | | | | | | | |
| iCLASS Card Pro | ogramn | ning lı | nforma | tion | | | | | | | | |
| Format Number | | Field | Name(s | 1 | Val | luo | QTY | | Encoded 9 | Start Numl | hor | Encoded Stop Number |
| Format Number | | | acility C | • | Val | | Q I I | | Liicodea | otal Civuliii | Dei | Lincoded Stop Number |
| | | | | | | | | | Duinte d Ot | ant Namelea | | Delinand Oans Normalina |
| HID Elite ICE | | | | | | | | | Printed St | art Numbe | er | Printed Stop Number |
| | | | | | | | | | | | | |

¹ For custom programming options please contact your local sales or pre-sales representative.

² Cards ordered with plain white front and back packaging, or with custom artwork, will still have the HID logo and reference artwork "HID" printed in the lower left-hand corner. A custom part number is required to omit the HID logo and reference artwork.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.

⁵ If selecting DESFire marking option "Z" there will not be room to mark any other technologies.



MIFARE DESFire EV3 + iCLASS 32K + Prox Card: High Security Profile - 832

Enhanced security and privacy on EV3, programmed with an enhanced application that leverages the new features of EV3 plus a Secure Identity Object (SIO). Offers iCLASS and 125kHz technology to simplify card issuance for diverse systems or migration projects.

DESFire EV3 Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

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

 ■ 832 Composite (40% Polyester/PVC) **Base Model MIFARE DESFire EV3 Memory Size** 3.370" ▼ F-8K Bytes (8.57 cm) **iCLASS 32K Memory Configuration** 3 - 32k bit (4K bytes) application areas 16k/2+16k/1 4 - 32k bits (4K bytes) application areas 16k/16+16k/1 2 125" **Front Packaging DESFire Secure Identity Object Programming¹** (5.4 cm) P - Programmed with enhanced EV3 application with Secure Identity Object (SIO) Based on random UID for improved privacy of user data. Compatible with Signo Reader firmware 10.0.2.4 or higher. This profile is not compatible with iCLASS/MultiCLASS rev E. iCLASS Programming (select one option) 0.033" Shared Card Edge (0.084 cm) P - Programmed with Secure Identity Object (SIO) S - Programmed with Secure Identity Object (SIO) and standard iCLASS access control application H - Programmed with standard iCLASS access control application **Back Packaging** C - Unprogrammed for use with iCLASS SE Encoder (standard iCLASS application programming only) 125kHz Programming (select one option) P - Programmed with HID Prox or Indala format. © HID DESFire Px D83X 12345 YYYYYYYYYY SE N - Unprogrammed HID Prox for iCLASS SE encoder (CP1000) Front Packaging (select one option) 12345 = Card ID Number G - Plain White with Gloss Finish YYYYYYYYY = Sales Order Number ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number² **Back Packaging (select one option) G** - Plain White with Gloss Finish² 1 - Plain White with Gloss Finish with Magnetic Stripe² ■ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number^{2,3} **DESFire Card Numbering⁴ (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) **Slot Punch** N - No Slot Punch. IMPORTANT - 832 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.



| iCLASS Card Numbering⁴ ☐ N - No Printed Card Num ☐ A - Sequential Matching ☐ B - Sequential Encoded/ ☐ C - Random Encoded/No | bering Encod Seque | g led/Prin ential No | nted (La | aser Engr ching Pri | nted (Las | _ | | | | | | |
|--|--------------------------|----------------------------|------------------|------------------------|-----------|----------|----------|---------|------------|--------|-------|-----------------|
| 125 kHz Card Numbering ⁴ N - No Printed Card Num | | | sequen | uai Fiiite | eu (Lasei | Liigiav | eu) | | | | | |
| ☐ A - Sequential Matching ☐ B - Sequential Encoded/ | Encod | led/Pri | | | | er Engr | raved) | | | | | |
| C - Random Encoded/No | on-Mat | tching § | Sequen | tial Printe | ed (Laser | - Engrav | red) | | | | | |
| Option - Custom Artwork Enter your final card option | _(Spe | - | | | | | om Artwo | | Artwork) | | | |
| Final Part Number 832 | F | | Р | | | • | | N | | | _ | (Options #) |
| Format Number HID Elite ICE | Fie | eld Nar | | | Valu | Je | QTY | | ed Start I | | | ed Stop Number |
| iCLASS Card Program | ming | Infor | matic | n | | | | | | | | |
| Format Number | | eld Nar g. Facil | ne(s) ity Cod | e | Valu | ıe | QTY | Encode | ed Start I | Number | Enco | ded Stop Number |
| HID Elite ICE | | | | | | | | Printed | Start Nu | umber | Print | ed Stop Number |
| 125kHz Card Program | ming | Infor | matic | n | | | | | | | | |
| Format Number | | eld Nar g. Facil | ne(s) ity Cod | e | Valu | ıe | QTY | Encode | ed Start I | Number | Enco | ded Stop Number |
| | | | | | | | | Printed | Start No | umber | Print | ed Stop Number |

¹ Third party applications are required to support random UID, if in doubt, consult with the application vendor. Card allows free create/delete of third-party applications.

² Cards ordered with plain white front and back packaging, or with custom artwork, will still have the HID logo and reference artwork "HID" printed in the lower left-hand corner. A custom part number is required to omit the HID logo and reference artwork.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.



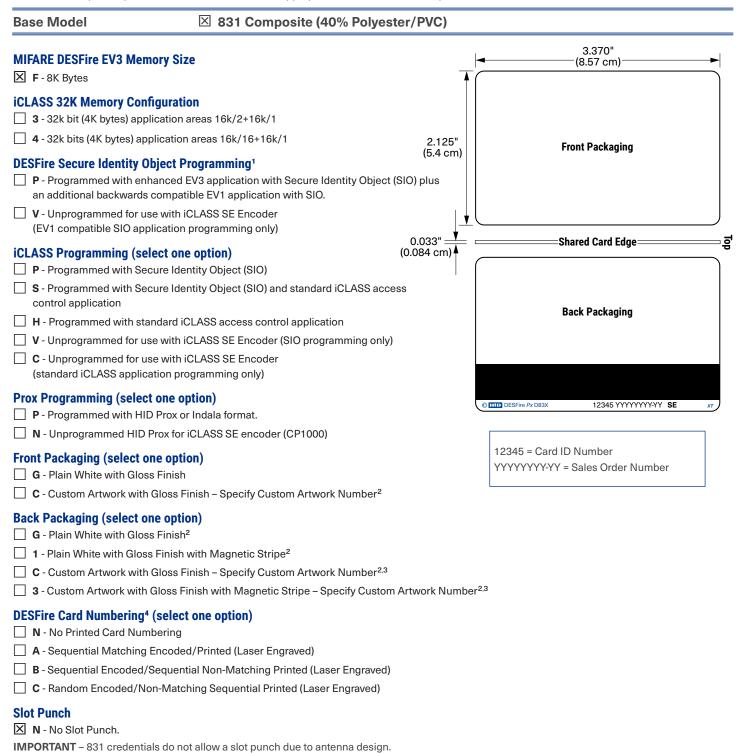
MIFARE DESFire EV3 + iCLASS + Prox Card: Compatibility Profile - 831

Offers the flexibility of DESFire EV3 backwards compatibility with iCLASS SE readers and third-party applications that rely on static UID. Programmed additionally with the enhanced application that leverages the new features of EV3 plus a Secure Identity Object (SIO) that is supported by HID Signo readers with firmware 10.0.2.4 or greater. Offers iCLASS and 125kHz technology to simplify card issuance for diverse systems or migration projects.

Compatibility: Supported by HID Signo reader, iCLASS SE and multiCLASS SE.

Use a badge holder to attach this card to a lanyard or badge clip.

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



PLT-02630, Rev D.8 143 April 2024



| iCLASS Card Num ☐ N - No Printed C | _ | • | | | • | a only | | | | | | | | |
|-------------------------------------|---------|-------|-----------------------|-----------|---------------|-----------|---------|------------|-------|---------|------------|--------|-------|------------------|
| A - Sequential M | | | • | | | | | | | | | | | |
| B - Sequential E | | | | | | | or End | rroyod) | | | | | | |
| C - Random Enc | | | | | • | • | • | | | | | | | |
| _ | | | natoring | oequei | illai i iiill | eu (Lase | Lligio | iveu) | | | | | | |
| 125 kHz Card Num N - No Printed C | | _ | ing | | | | | | | | | | | |
| A - Sequential M | latchin | g Enc | oded/Pr | rinted (L | aser Engi | raved) | | | | | | | | |
| ☐ B - Sequential E | ncode | d/Seq | uential N | lon-Ma | tching Pri | nted (La | ser Eng | graved) | | | | | | |
| C - Random Enc | oded/I | Non-N | /latching | Seque | ntial Print | ed (Lase | r Engra | ived) | | | | | | |
| Option - Custom A | | (S | | | | | | stom Artwo | | | Artwork) | | | |
| Final Part Number | 831 | F | | CK DO | VC2 ano | VC. LXaii | ipie. c | 3114111 | JUANA | N | | | | (Options #) |
| Filial Fait Nullibel | 031 | - Г | | | | | | | | N | | | | (Options #) |
| DESFire EV3 Ca | rd Pr | ogra | mming | g Info | rmation |) | | | | | | | | |
| | | | | | | | | | | | | | | |
| Format Number | | | Field Na e.g. Faci | | de | Val | ue | QTY | | Encode | ed Start I | Number | Enco | oded Stop Number |
| HID Elite ICE | | | | | | | | | | Printed | Start No | umber | Print | ted Stop Number |
| | | | | | | | | | | | | | | |
| iCLASS Card Pr | ograi | mmiı | ng Info | rmati | on | | | | | | | | | |
| Format Number | | | Field Na e.g. Faci | | de | Val | ue | QTY | | Encode | ed Start I | Number | Ence | oded Stop Number |
| HID Elite ICE | | | | | | | | | | Printed | Start No | umber | Print | ted Stop Number |
| 125kHz Card Pr | ograr | nmiı | ng Info | rmati | on | | | | | | | | | |
| Format Number | | | Field Na | | | Val | ue | QTY | | Encode | ed Start I | Number | Enco | oded Stop Number |
| | | | e.g. Faci | ility Co | de | | | | | | | | | |
| | | | e.g. Fac | ility Cod | de | | | | | | | | | |

¹ Card allows free create/delete of third-party applications.

² Cards ordered with plain white front and back packaging, or with custom artwork, will still have the HID logo and reference artwork "HID" printed in the lower left-hand corner. A custom part number is required to omit the HID logo and reference artwork.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.



MIFARE DESFire EV3 + iCLASS 32k + Prox Card: Custom Profile - 830

Migration solution from Proximity to fully customized bespoke DESFire specifications, or unprogrammed for full in-field personalization with EV1, EV2, or EV3 compliant solutions. Offers iCLASS and 125kHz technology to simplify card issuance for diverse systems or migration projects.

Compatibility: Supported by custom profile HID Signo, iCLASS SE and multiCLASS SE readers.

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

| Card <u>without</u> SIO encoding + Prox Base Model | ter/PVC) | | | |
|--|---|-----------------------------|-------------------------------------|------------|
| MIFARE DESFire EV3 Memory Size | | | 3.370" (8.57 cm) | — |
| ▼ F - 8K Bytes DESFire EV3 | — | | (6.67 6.11) | |
| iCLASS 32K Memory Configuration 3 - 32k bit (4K bytes) application areas 16k/2+16k/1 4 - 32k bits (4K bytes) application areas 16k/16+16k/1 | 2.125" | | Front Packaging | |
| DESFire Programming¹ (select one option) ☐ N - Unprogrammed for use with iCLASS SE Encoder (EV1 custom encoding only) or third-party EV1, EV2, or EV3 applications. ☐ S - Custom EV1, EV2, or EV3 programming (custom part number required). | (5.4 cm) | | Front Packaging | |
| iCLASS Programming (select one option) ☐ P - Programmed with Secure Identity Object (SIO) | 0.033" | | Shared Card Edge | <u> </u> į |
| S - Programmed with Secure Identity Object (SIO) and standard iCLASS access control application H - Programmed with standard iCLASS access control application V - Unprogrammed for use with iCLASS SE Encoder (SIO programming only) C - Unprogrammed for use with iCLASS SE Encoder (standard iCLASS application programming only) | | | Back Packaging | |
| Prox Programming (select one option) P - Programmed with HID Prox or Indala format. | | © HID DESFire Px D83X | 12345 YYYYYYYYYY SE | хт |
| | | | | |
| Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ³ | | 12345 = Card YYYYYYYYYYY | ID Number ' = Sales Order Number | |
| Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number²³ ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom | Artwork Number | -23 | | |
| 13.56 MHz DESFire Card Numbering³ (select one option) □ N - No Printed Card Numbering □ A - Sequential Matching Encoded/Printed (Laser Engraved)⁴ □ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) □ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) □ Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)⁵ Slot Punch □ N - No Slot Punch. | | | | |

PLT-02630, Rev D.8 145 April 2024

IMPORTANT - 830 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.



| iCLASS Card Nun | _ | | | | | | | | | | | | | | | | | |
|---------------------------|---------|-------|----------------------|---------|---------------|----------|---------|--------|-----|---------|-----------|------------|-----|-------|-------|-------|-------|---------|
| N - No Printed | | | | | | | | | | | | | | | | | | |
| A - Sequential I | | | | | | | | | 1) | | | | | | | | | |
| B - Sequential E | ncoded | /Sequ | uential l | Non-IVI | atching Prir | nted (La | ser Eng | raved | 1) | | | | | | | | | |
| 125 kHz Card Nui | _ | | | | | | | | | | | | | | | | | |
| N - No Printed | | | | | | | | | | | | | | | | | | |
| A - Sequential I | _ | | | | _ | | | | | | | | | | | | | |
| ☐ B - Sequential E | Encoded | /Sequ | uential N | Non-M | atching Prir | nted (La | ser Eng | jraved | 1) | | | | | | | | | |
| C - Random En | coded/N | Ion-N | latching | j Sequ | ential Printe | ed (Lase | r Engra | ved) | | | | | | | | | | |
| Option - Custom | | (Sp | | | Number - F | | | | | | Artwor | k) | | | | | | |
| Final Part Number | 830 | F | | T | | | Ī | | | N | | | | _ | | | (Opt | ions #) |
| | | | | | | I | | | | | | | | | | | | , |
| DESFire EV3 C | ard Pro | ogra | mmin | g Info | ormation | | | | | | | | | | | | | |
| Format Number | | 1 [| Field Na | omo(s) | | Val | | ٦г | QTY | Enood | nd Star | t Numbe | \r_ | Enor | odod | Ston | Numb | |
| Format Number | | | e.g. Fac | | | Val | ue | | QII | Elicou | eu Stai | t ivuilibe | ž1 | EIIC | Jueu | Stop | Num | Jei |
| | | | | | | | | 1 | | | | | | | | | | |
| | | ' - | | | | | | 7 - | | Printed | l Start I | Number | | Print | ted S | top N | Numbe | r |
| | | | | | | | | 7 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| iCLASS Card P | rogran | nmir | ng Info | rmat | tion | | | | | | | | | | | | | |
| Format Number | | | Field Na e.g. Fac | | | Val | ue | | QTY | Encod | ed Star | t Numbe | er | Enco | oded | Stop | Numb | per |
| HID Elite ICE/MC |)B# | | | | | | | | | Printed | l Start I | Number | | Print | ted S | top N | Numbe | r |
| | | | | | | | | | | | | | | | | | | |
| 125kHz Card P | rogran | nmir | ng Info | rmat | ion | | | | | | | | | | | | | |
| | | 1 - | | | | | | | | | | | | | | | | |
| Format Number | | 1 1 | Field Na e.g. Fac | | | Val | ue | | QTY | Encod | ed Star | t Numbe | er | Enco | oded | Stop | Numb | oer |
| | | | | | | | | _ [| | | | | | | | | | |
| | | | | | | | | | | Printed | Start I | Number | | Print | ted S | top N | Numbe | r |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

¹ For custom programming options please contact your local sales or pre-sales representative.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small "HID logo" "HID" and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. A custom part number is required to omit all marking.

³ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.

⁵ If selecting DESFire marking option "Z" there will not be room to mark any other technologies.



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 Card | ds <u>without</u> SIO encoding | | | | |
|---|---|---|-------------|--|--|--|
| 3400 (1K) Standard PVC | | | | | | |
| 3406 (4K) Standard PVC | 1440 (4K) Standard PVC 1436 (1K) Composite 40% Polyester / PVC* | | | | | |
| 3450 (1K) Composite 40% Polyester / PVC* | | • | | | | |
| 3456 (4K) Composite Polyester 40% / PVC* | 1446 (4K) Compos | site Polyester 40% / PVC* | | | | |
| Programming* (select one option) ☐ P - Programmed with Security Identity Object (SIO) for MIFARE Classic ☐ V - Unprogrammed Secure Identity object (SIO), for MIFARE Classic, for use with iCLASS SE Encoder. | Programming (select one option) ☐ 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 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 C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number | - - - - | 3.370" (8.57 cm) | | | | |
| Back Packaging (select one option) 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 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ^{1,2} | 2.125" (5.4 cm) | Front Packaging | | | | |
| Card Numbering³ (select one option) ☐ M - Sequential Matching Encoded/Printed (Inkjetted) ⁷ ☐ N - No Printed Card Numbering ☐ U - UID (CSN) HEX card numbering only (Inkjetted) ^{4,7} ☐ V - UID (CSN) Decimal card numbering only (Inkjetted) ^{4,7} | 0.033" = (0.084 cm) | | | | | |
| □ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁷ □ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁷ □ A - Sequential Matching Encoded/Printed (Laser Engraved) □ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) | ved) | Back Packaging Note: 340 credential image may | vary. | | | |
| ☐ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved | d) | © IIII MIFARE SE M1H 12345 YYY | YYYYY-YY XT | | | |
| Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved) | | | | | | |
| Slot Punch⁵ (select one option) ☐ N - No slot punch, Printed Vertical Slot Indicators ☐ V - Vertical Slot Punch | | 12345 = Card ID Number YYYYYYYYYY = Sales Order Number | er | | | |



| Option - Custom Artwo | rk¹ | | | | | | | |
|------------------------------|----------------------------------|------------------|----------|-------------|------------|--------------|------------|---------------------|
| | (Specify Artwork Number | er - Refer to th | ne Custo | m Artwork f | orms for r | new artwork) | | |
| Enter your final card op | otions from check box | es above. Ex | cample: | 3400PGG | NN | | | |
| Final Part Number | | | | | | _ | | (Options #) |
| | | | | | | | | |
| 13.56 MHz Card Pro | gramming Informa | ation | | | | | | |
| Format Number | Field Name(s) e.g. Facility Code | | Value | QTY | , | Encoded St | art Number | Encoded Stop Number |
| HID Elite ICE # | | | | | | Printed Sta | rt Number | Printed Stop Number |
| | | | | | | | | |

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

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

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

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

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

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

⁶ Includes a permanent Unique MIFARE 32 Bit Serial number.

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

 $[\]ensuremath{^{*}}$ 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.

| with SIO encoding (Recommended) ☐ 3500 (1K) Standard PVC ☐ 1441 (4K) Standard | |
|---|--|
| □ 3550 (1K) Composite 40% Polyester / PVC* □ 3556 (4K) Composite 40% Polyester / PVC* □ 3556 (4K) Composite 40% Polyester / PVC* □ 1447 (4K) Composite 40 | 25 kHz with HID Prox or Indala Format6, 3.56 MHz MIFARE Classic (for use with iCLASS SE |
| Front Packaging (select one option) 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 1 - Plain White with Gloss Finish with Magnetic Stripe² C - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹²² 13.56 MHz MIFARE Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)⁵ N - No Printed Card Numbering U - UID (CSN) HEX card numbering only (Inkjetted)⁴¹.5 V - UID (CSN) Decimal card numbering only (Inkjetted)⁴¹.5 S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵ | 3.370" (8.57 cm) Front Packaging Back Packaging |

© IIII MIFARE SE M1H

12345 YYYYYYYYY *XT*

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

Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)



| Slot Punch (select one option N - No slot punch. This care V - Vertical Slot Punch | • | otted vertical | ly, Printed Vertical | l Slot Indicator | rs | | | |
|--|----------------------------------|------------------------------|---------------------------|------------------|---------|--------------------|-----------|-------------------------------|
| 125 kHz Proximity Card Nun | ncoded/Pr ering quential N | inted (Inkjette | ed) Printed (Inkjetted |) | | | | |
| ☐ A - Sequential Matching En☐ B - Sequential Encoded/Se | coded/Pri quential N | nted (Engrave on-Matching | ed) Printed (Engraved | d) | | | | |
| C - Random Encoded/Non- | Matching | Sequential Pr | rinted (Engraved) | | | | | |
| Option - Custom Artwork¹ (Specify Artwork Number - | Refer to th | e Custom Art | twork forms for ne | ew artwork) | | | | |
| Enter your final card options | from che | eck boxes a | bove. Example: | 3506PGGMN | IS | | | |
| Final Part Number | | | | N | | _ | | (Options #) |
| | | | | | | | | |
| 13.56 MHz Card Program | nming lı | nformatio | า | | | | | |
| Format Number | Field Nar e.g. Facil | | Value | QTY | | Encoded Start I | Number | Encoded Stop Number |
| HID Elite ICE # | | | | | | Printed Start No | ımber | Printed Stop Number |
| * HID Elite key not applicable to | o base par | ts 1431, 144 | 1, 1437, or 1447 | | | | | |
| 125 kHz Card Programm | ing Info | rmation | | | | | | |
| Format Number | Field Nar e.g. Facil | | Value | QTY | | Encoded Start I | lumber | Encoded Stop Number |
| | | | | | | Printed Start No | ımber | Printed Stop Number |
| | | | | | | | | |
| ¹ For new artwork files, contact (| Customer S | Service for cu | stom artwork nur | mber, lead-time | es, and | l cost. | | |
| ² Cards ordered with plain white reference number printed in the sales order number. A custom | ne lower let | ft-hand corne | er and a slot punch | n target printed | d on th | e back of the card | Most part | t numbers are marked with the |
| ³ The Printed card number is pla | | • | | | | | • | |

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

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

 $^{^{\}rm 6}$ Includes a permanent Unique MIFARE 32 Bit Serial number.

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



MIFARE Classic Keyfob - 1434 / 1444

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

| Base Model | ☐ 1434 (1K) | | ☐ 1444 | (4K) | | |
|--|--|------------------------------|----------|---------------------|-----------|----------------|
| N - Unprogrammed MIF | ID MIFARE ³ access control a ARE Classic | | | | | |
| · · | d MIFARE Classic, requires cu | ustom part numb | er | | | |
| Front Packaging (select of S - Standard HID Artwork) | • • | | | | 8 | 9 |
| C - Custom Artwork - Sp | ecify Custom Artwork Number | er ¹ | | | | |
| Back Packaging S - Standard | | | | | H | |
| Key Numbering¹ (select o | one option) g Encoded/Printed (Inkjetted) |)4 | | | | |
| N - No Printed Card Nur | nbering | | | | | |
| · | Sequential Non-Matching Pr | | 1 | | | |
| R - Random Encoded/N | on-Matching Sequential Print | ted (Inkjetted) ⁴ | | | | |
| | Encoded/Printed (Laser Eng | • | | | | |
| ■ B - Sequential Encoded, | /Sequential Non-Matching Pr | inted (Laser Eng | raved) | | | |
| C - Random Encoded/N | on-Matching Sequential Print | ted (Laser Engra | ved) | | | |
| Slot Punch ² | | | | | | |
| X N - None | | | | | | |
| Enter your final Key option | ons from check boxes abov | ve. Example: 14 | 434NSSNN | | | |
| Final Part Number | | | | S | | N |
| | | | | | | |
| 13.56 MHz Card Prog | ramming Information | | | | | |
| | | | | | | |
| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Numb | er Encode | ed Stop Number |
| | | | | | | |
| | | | | Printed Start Numbe | r Printed | Stop Number |
| | | | | | | |
| The Printed kov number is a | placed on the back of the key. | | | | | |
| , | | | | | | |
| ² Key Ring sold separately (Pa | | | | | | |
| ³ Includes a permanent Uniq | ue MIFARE 32 Bit Serial numl | ber. | | | | |

⁴ Please 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) | | | | | | |
|--|--|-------------------|----------|-----------------|--------|-----------|---------------|
| N - Unprogrammed MIFA | D MIFARE ⁶ access control a | | ed | | | | |
| Front Packaging (select of S - Standard HID Artwor C - Custom Artwork - Sp | • • | er ¹ | | | | mifar | e* |
| Back Packaging S - Standard | | | | | | | |
| ■ N - No Printed Card Num ■ S - Sequential Encoded/ | Encoded/Printed (Inkjetted) | inted (Inkjetted) | | | | | |
| Slot Punch ² N - None | | | | | | | |
| Enter your final Tag option | ns from check boxes abov | e. Example: 14 | I35NSSNN | | | | |
| Final Part Number | | | | S | | | N |
| 13.56 MHz Card Progr | ramming Information | | | | | | |
| Format Number | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start | Number | Encoded | d Stop Number |
| | | | | Printed Start N | lumber | Printed 9 | Stop Number |
| | | | | | | | |

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 technologies. Compatibility should be confirmed prior to ordering.

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

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

 $^{^{\}rm 3}$ The Tag is not for use on cards that use full insertion or tractor feed type readers.

⁴ Includes a permanent Unique MIFARE 32 Bit Serial number.

^{*} Up to 1.14in (29mm) read range in free air.



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 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 effective 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. 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
 - Configuration package (*.ise file) that contains default credits, format H10301 (26-bit) and standard keys listed in the table below
 - User documentation
- The following credits, formats, and sample cards (included by default 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 | Seos Credential - Access Control |
| 30 | CRDT-D5 | 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 Credential - Access Control (SIO) |
| 500,000 | CRDT-C5 | HID MIFARE DESFire 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 | 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 Legacy Transport | | | | | |



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 stored 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 | Key Type | 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 |

¹ 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.



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 | Key Type | 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 | HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS Rev A, B, C & iCLASS SE interpreter type "T" with keyset "0" |
| CRDT-A1 | HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS Rev A, B, C & iCLASS SE interpreter type "T" and matching Elite ICE keyset |
| CRDT-A3, CRDT-B3, CRDT-C3, CRDT-D3, CRDT-F3, CRDT-G3, CRDT-H3 | HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS SE readers only interpreter type "T" or "N" with keyset "0" or "2" |
| CRDT-A4, CRDT-B4, CRDT-C4, CRDT-D4, CRDT-F4, CRDT-G4, CRDT-H4 | HID Signo Readers (Smart, Standard and Custom credential profiles), CLASS SE readers only interpreter type "T" or "N" with matching Elite ICE keyset |
| CRDT-A5 | HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS Rev A, B, C & iCLASS SE |
| CRDT-F0 CRDT-B0 | HID Signo Readers (Custom credential profile), HID 6055B, FlexSmart™ 6071/6072, Smart ID 8030DSHM/8031DSHM (HID MIFARE Only) and specific models of iCLASS SE. |
| CRDT-B5, CRD-C5, CRDT-F5, CRDT-G5 | HID Signo Readers (Custom credential profile), iCLASS SE Migration readers only with matching custom key and mapper profile |
| CRDT-K0 | HID Signo Readers (Standard and Custom credential profiles), HID Prox compatible readers including multiCLASS |

¹ 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.



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 | r |
|---------------|---|
| H10301 | |

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

| Start Number | Quantity |
|--------------|----------|
| 1,001 | 500 |

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, it is necessary to order programmable configuration cards.

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 |

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 |



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 a | nd keysets for an existing encoder] |
|--|-------------------------------------|
| Serial Number (found on underside of USB device or inside door/bottom of printer): | CP |

| Additional Credits | | | | | | | |
|--------------------|-----|---|--|--|--|--|--|
| Part Number | QTY | | | | | | |
| CRDT- | | ٦ | | | | | |
| CRDT- | | ٦ | | | | | |
| CRDT- | | ٦ | | | | | |
| CRDT- | | ٦ | | | | | |
| CRDT- | | ٦ | | | | | |

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

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

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

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

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

⁵ Corporate 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 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://www3.hidglobal.com/configure

Credentials Marking

For information on Card Identification Markings, please see HID Global Credential Identification Markings Application Note (AN0109).

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 | ⊠ 5 | 01 Com | oosite 40 | % Polye | ester / PVC | 60% | | | | |
|--|--|-------------|--------------|---------|--|--------------|--|-------------------------------|-------|------------------------|
| Seos Memory Size and Alloca 5 - 16K Bytes 6 - 8K Bytes Secure Identity Object Progra P - Programmed with Securit V - Unprogrammed, for use v | amming ty Identity O | - | ar. | , | tional Contact Smart Chip Module (Front Only) | | Front Pa Contac not inc | t chip | | |
| Front Packaging (select one of G - Plain White with Gloss Find C - Custom Artwork with Gloss Specify Custom Artwork Number Back Packaging (select one of the Company of the | option) nish ss Finish - mber ¹ option) | | | 0) | 0.033" 0.084 cm) | | 3.3 (8.57 | | | SHARED CARD EDGE |
| ☐ G - Plain White with Gloss Fin ☐ C - Custom Artwork with Glo Specify Custom Artwork Nut ☐ 1 - Plain White with Gloss Fin ☐ 3 - Custom Artwork with Glo Specify Custom Artwork Nut | ss Finish – mber ¹ nish with Ma ss Finish wi | • | • | | 2.125" (5.4 cm) | | Back Pa | ckaging | | |
| Card Numbering³ (select one N - No External Card Numbe A - Sequential Matching Inte B - Sequential Internal/Sequ C - Random Internal/Non-Ma | ring rnal/Externa ential Non-N | /latching E | xternal (Las | _ | | © HID Seo | | nergy - 4000 (Y 12345 YY) | | |
| Slot Punch N - No Slot Punch | | | (| g | , | YYYYYY | Card ID Numb Y-YY = Sales er is a variab | Order Numbe | er | |
| Option - Custom Artwork¹ Enter your final card options | | | | | om Artwork Fo | orms for new | Artwork) | | | |
| Final Part Number | 501 | | P | | | N | | _ | (Onti | ions #) |



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.

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

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

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

⁴ 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 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 | <u> X</u> | 511 Co | mposite | e 40% P | olyester | / PVC | | | | | |
|--|---|---------------------------|------------|-------------------|---------------------|----------------------------|-------------|---|--------------|-------|--------------|
| Seos Memory Size and Allo | ocation | | | | | | | | | | |
| ☐ 6 - 8K Bytes | | | | | Optional C | ontact | | Front Packa | ging | | |
| Secure Identity Object Proc P - Programmed with Security Prox non programmed | | • | - |) | Smai Module | rt Chip (Front Only) | • | Contact cl not includ | • | | |
| R - Both interfaces progra Seos with Security Identit Prox programmed with HI | y Object (S | IO), | | | | | | 7 770" | | | |
| ☐ V - Unprogrammed, for us | e with iCLA | ASS SE Enc | oder | | | | | 3.370" (8.57 cm | | - | SHARED |
| Front Packaging (select on G - Plain White with Gloss C - Custom Artwork with C | Finish | ı – | | | 0.033" (0.084 cn | n) | | | | | CARD EDGE |
| Specify Custom Artwork | Number ¹ | | | | | Ì | | | |) | |
| Back Packaging (select on G - Plain White with Gloss C - Custom Artwork with C | Finish ² Gloss Finish | ı – | | | 2.11 (5.4 | | | Back Packa | ging | | |
| Specify Custom Artwork | | M + : - | 04 | | | | Opt | tional Magne | tic Stripe | | |
| 1 - Plain White with Gloss | | | | | | | | CO/High Ener | | e) | |
| 3 - Custom Artwork with C Specify Custom Artwork N | | ı witti ivlağı | ieuc surp | e - | _ | (© | HID Seos JH | , | Y 12345 YYYY | /1777 | |
| 13.56 MHz iCLASS Card Num N - No External Card Num A - Sequential Matching II B - Sequential Internal/Se C - Random Internal/Non- | umbering ³ bering nternal/Ext quential No | ernal (Lase on-Matchin | r Engrave | d) I (Laser En | | 1 \ | /YYYYYYY | gramming d ID Number Y = Sales Or s a variable I | der Numbe | er . | |
| Slot Punch N - No Slot Punch | | | | | | | | | | | |
| 125 kHz Card Numbering ³ N - No External Card Num A - Sequential Matching In B - Sequential Internal/Se C - Random Internal/Non- | nbering nternal/Ext quential No | ernal (Lase on-Matchin | g Externa | l (Laser En | | | | | | | |
| Option - Custom Artwork ¹ | | | | | | | | | | | |
| <u> </u> | (Specify | Artwork Nu | umber - Re | efer to the | Custom Art | work Forms | for new Art | work) | | | |
| Enter your final card option | ns from ch | eck boxes | s above. | Example: | 5015PGG | NN | | | | | |
| Final Part Number | 511 | | | | | - | N | | - | (Opti | ons #) |
| | | 1 | | 1 | 1 | | | | 1 | 1 | |



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 | | | | | |

125 kHz 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 |
| (0.90 0.0) | | | | | |

Special Instructions:

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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

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

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

⁴ 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 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 Comp | osite 40 | % Polyest | er / PVC* | | | | | |
|--|-------------------|---------------|---------------|----------------|--------------|----------------|---------------------------|-----------------|----------|------------------------|
| iCLASS Memory Size and All 0 - 2k Bits (256 Bytes) with 2 | • | | option) | <u> </u> | | | | | |) |
| 3 - 32k Bits (4K Bytes) Applic 4 - 32k Bits (4K Bytes) Applic | ation areas | 16k/2+16k, | | | | | Front Packa Optional C | | | |
| Secure Identity Object Program P - Programmed with Securi | • | bject (SIO) | | 2.12 (5.4 c | 1 | | Smart Car (Front Onl | d Module | | |
| ☐ V - Unprogrammed, for use v | with iCLASS | SE Encode | er | | | | Module no | ot included | l | |
| Front Packaging (select one G - Plain White with Gloss Fi | | | | <u> </u> | | | 3.370 | " | | J |
| C - Custom Artwork with Glo Specify Custom Artwork Nu | | | | 0.033" | , <u> </u> | | (8.57 c | | | SHARED CARD EDGE |
| Back Packaging (select one of G - Plain White with Gloss Fi | | | | (0.084 cn | | | | | | |
| C - Custom Artwork with Glo Specify Custom Artwork Nu | mber ¹ | | 2 | | | | Back Pack | aging | | |
| ■ 1 - Plain White with Gloss Fin■ 3 - Custom Artwork with GlostSpecify Custom Artwork Nu | ss Finish wi | | | | | Note: 3 | 05 credential | image may v | ary | |
| Card Numbering³ (select one N - No External Card Number | | | | | | Magnetic Stri | pe (½" HICO/I | High Energy - 4 | 1000 Oe) | |
| ☐ A - Sequential Matching Inte | ernal/Externa | al (Laser En | graved) | | ©I | HID iCLASS SE | DH | Y 12345 YYY | YYYYY-YY |) |
| □ B - Sequential Internal/Sequ□ C - Random Internal/Non-M | | | | | | | Programmi | • | | |
| Slot Punch ⁴ (select one option N - No Slot Punch (Printed Id | • | rtical slot p | unch will re | main) | | | | Order Numbe | er | |
| V - Vertical Slot PunchB - No Slot Punch - Horizonta | al Punch cor | mpatible (Pi | rinted locati | on of Vertical | and Horizon | tal slot pund | ch will remai | n) ⁵ | | |
| ☐ H - Horizontal Slot Punch ⁵ | | | | | | | | | | |
| Option - Custom Artwork¹ | (Specify Art | work Numb | er - Refer to | the Custom | Artwork Forn | ns for new A | artwork) | | | |
| Enter your final card options | from the a | bove selec | ctions. Exa | mple: 3014 | PGGAN | | | | | |
| Final Part Number | | Р | | | | | | _ | (Opt | tions #) |



iCLASS Card Programming Information

| lumber | Encoded Stop Num | Encoded Start Number | QTY | Value | Field Name(s) e.g. Facility Code | Format Number (e.g. H10301) |
|--------|-------------------|----------------------|-----|-------|----------------------------------|-----------------------------------|
| mber | Printed Stop Numb | Printed Start Number | | | | Bit Numbers (e.g. 26 bit) |
| | | | | | | ICE Number |
| _ | | | | | | ICE Number Special Instructions: |

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

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

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

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

⁵ The ability to add a horizontal slot punch requires a different iCLASS antenna design. Users can expect a read range reduction of approximately 20% if they order options B or H for the Slot Punch.

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



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 | ⊠ 3 | 11 Com | posite 40 | % Polyest | er / PVC* | | | | | |
|--|---|----------------------------|--------------------------|-------------------|--------------|---------------|---|------------------------------|---------|--------------|
| iCLASS Memory Size and All 0 - 2k Bits (256 Bytes) with 2 | • | | option) | 7 | | | Front Pack | aging | | |
| 3 - 32k Bits (4K Bytes) Applie 4 - 32k Bits (4K Bytes) Applie | cation areas | 16k/2+16k | | 2.1: | - | SØ | Optional C Smart Car | d Module | | |
| Secure Identity Object Progr P - Programmed with Securion Prox non programmed | • • | | | (5.4 | om) | | (Front Only | y) ot included | U | |
| R - Both interfaces programmicLASS with Security Identiin Prox programmed with HID | ty Object (SI | O), | | | - | | 3.370 (8.57 c | | | SHARED |
| Front Packaging (select one G - Plain White with Gloss F C - Custom Artwork with Glo | inish ² | | | 0.033 (0.084 c | | | | | | CARD EDGE |
| Specify Custom Artwork Nu Back Packaging (select one | ımber ¹ | | | | | | Back Pack | kaging | | |
| G - Plain White with Gloss F C - Custom Artwork with Gloss Specify Custom Artwork Nu | inish ² oss Finish – | | | | | Note: 3 | 05 credential | l image may v | ary | |
| 1 - Plain White with Gloss Fi 3 - Custom Artwork with Gloss Specify Custom Artwork Nu | nish with Ma oss Finish wi | | • | | | Magnetic Stri | | High Energy - Y 12345 YYY | | |
| 13.56 MHz iCLASS Card Number N - No External Card Number A - Sequential Matching Internal/Sequential Internal/Non-M | nbering³ (seering ernal/Externa uential Non-N | al (Laser Ei Matching E | ngraved) xternal (Las | | | 12345 = Ca | Programmi rd ID Numb YY = Sales (| • | er | |
| Slot Punch ⁴ (select one option N - No Slot Punch (Printed In V - Vertical Slot Punch | • | rtical slot p | ounch will re | emain) | | | | | | |
| 125 kHz Card Numbering³ (s N - No External Card Number A - Sequential Matching Internal/Sequential Internal/Non-Matching Internal/N | ering ernal/Externa uential Non-N | al (Laser Ei Matching E | xternal (Las | | | | | | | |
| Option - Custom Artwork¹ | ork Number | - Refer to th | ne Custom A | Artwork Form | s for new Ar | twork) | | | | |
| Enter your final card options Final Part Number | from checl | k boxes al | oove. Exan | nple: 3114P | GGNNN | | | | (Option | no #\ |
| Filiai Fait Nulliyei | | | | | | | | | (Option | 13 # / |



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

| QTY | 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 |
|----------------------------------|-------|
| | |
| | |
| | |
| | |

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

Special Instructions:

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

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

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

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

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



iCLASS Card Numbering³ (select one option)

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)

■ N - No External Card Numbering

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% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) O - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging (only available with MIFARE CLASSIC 1K) 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 **Optional Contact** 2.125" **Smart Card Module** 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 (5.4 cm) (Front Only) **Card Programming (select one option)** Module not included **R** - iCLASS programmed with Secure Identity Object (SIO), 2nd Technology programmed with Secure Identity Object (SIO). P - iCLASS programmed with Secure Identity Object (SIO), 3 370 2nd Technology unprogrammed for use with iCLASS SE encoder SHARED (8.57 cm) (HID MIFARE or custom encoding). CARD 0.0331 **EDGE** K - iCLASS programmed with Secure Identity Object (SIO), (0.084 cm) 2nd Technology programmed with HID MIFARE Classic or custom MIFARE Classic (option M or N 2nd HF only). ☐ A - iCLASS unprogrammed for use with iCLASS SE Encoder, 2nd Technology programmed with Secure Identity Object (SIO). **B** - iCLASS unprogrammed for use with iCLASS SE Encoder, **Back Packaging** 2nd Technology unprogrammed for use with iCLASS SE encoder (HID MIFARE or custom encoding). V - iCLASS unprogrammed for use with iCLASS SE Encoder, Optional Magnetic Stripe 2nd Technology unprogrammed for use with iCLASS SE encoder (1/2" HICO/High Energy - 4000 Oe) (SIO, HID MIFARE or custom encoding). 12345 **12345 YYYYYYYYYY** HID iCLASS 2nd High Frequency Technology (select one option) M - MIFARE 1K Bytes (only available with iCLASS 2k bits) 125 kHz# iCLASS# ■ N - MIFARE 4K Bytes Front Packaging (select one option) 12345 = Card ID Number G - Plain White with Gloss Finish YYYYYYYYY = Sales Order Number **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 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹



| Slot Punch | | | | | |
|--|---|--|------------------------|-----------------------------|---------------------|
| | Frequency credentials do n ge holder to attach this card | | | e antenna design. | |
| X N - No Slot Punch | | | | | |
| N - No External Card Nu A - Sequential Matching B - Sequential Internal/S W - UID (CSN) HEX num X - UID (CSN) Decimal n Option - Custom Artwork □ | Internal/External (Laser Eng Sequential Non-Matching Ext abering only (Engraved): 7 byt numbering only (Engraved): 7 | graved) ternal (Laser Engr tes UID ⁴ bytes UID ⁴ er - Refer to the Cu | aved) ustom Artwork | | |
| | ons from check boxes abo | ove. Example: 3 | 924PNGGANI | | (0.10.10) |
| Final Part Number | 392 | | | N | - (Options #) |
| iCLASS 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 | | | | | |
| 2 nd 13.56 MHz Progra | mming 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:

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

² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo (1111) and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

³ The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for the second technology on the back of the card.

⁴ 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.



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 DESFire credentials.

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

Base Model ■ 397 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) O - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging (only available with MIFARE CLASSIC 1K) **Optional Contact** 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 Smart Card Module 2.125" 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 (5.4 cm) (Front Only) 13.56 MHz Technology Card Programming (select one option) Module not included **R** - iCLASS programmed with Secure Identity Object (SIO), 2nd Technology programmed with Secure Identity Object (SIO). P - iCLASS programmed with Secure Identity Object (SIO), 3 370 2nd Technology unprogrammed for use with iCLASS SE encoder SHARED (8.57 cm) (HID MIFARE or custom encoding). CARD 0.0331 **EDGE** A - iCLASS unprogrammed for use with iCLASS SE Encoder, (0.084 cm)2nd Technology programmed with Secure Identity Object (SIO). V - iCLASS unprogrammed for use with iCLASS SE Encoder, 2nd Technology unprogrammed for use with iCLASS SE encoder (SIO, HID MIFARE or custom encoding). **Back Packaging** 2nd High Frequency (13.56 MHz) Technology (select one option) M - MIFARE 1K Bytes (only available with iCLASS 2k bits) N - MIFARE 4K Bytes **Optional Magnetic Stripe** 125 kHz Technology Card Programming (select one option) (1/2" HICO/High Energy - 4000 Oe) P - "HID Prox" Programmed 125 kHz Technology. HID iCLASS 12345 **12345 YYYYYYYYYY** Specify Programming Information. C - "Indala/Casi Prox" Programmed 125 kHz Technology. 125 kHz# iCLASS# Specify Programming Information. N - Initialized 125 kHz Technology. Programming Information Not Required. 12345 = Card ID Number Front Packaging (select one option) YYYYYYYYY = Sales Order Number 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 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ iCLASS Card Numbering³ (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)



| Slot | Punch |
|------|-------|
|------|-------|

| IMPORTANT: | Dual High Fi Use a badge | | | | | - | | ne antenna d | esign. | | | |
|--|--|--|--|---|---|----------|---------------------|--------------|--------------|--------|-----------|---------------|
| N - No Slot F | unch | | | | | | | | | | | |
| N - No Slot F 2nd High Freque N - No Exter A - Sequenti B - Sequenti C - Random W - UID (CSN X - UID (CSN 125 kHz Card N N - No Exter A - Sequenti B - Sequenti | ency Technol nal Card Num al Matching Ir al Internal/Sec Internal/Non-I N) HEX number I) Decimal nur Jumbering ³ (nal Card Num al Matching Ir | bering ternal/E quential I Matching ering only nbering of select of bering | xternal (L Non-Mato g Sequent / (Engrave only (Eng one option | aser Engreching Externated: 7 bytes raved): 7 bytes on) | raved) ernal (Laser nal (Laser E es UID ⁴ oytes UID ⁴ raved) | er Engra | aved) ed) | | | | | |
| ☐ C - Random Option - Custo | | | | | | | ed) stom Artwork | Forms for ne | ew Artwor | k) | | |
| Enter your fina | l card ontion | _, ' | • | | | | | | , w / 11 two | K) | | |
| Final Part N | <u> </u> | 3 110111 | JIICOK DO | ACS above | ve. Exam | Jie. 57 | 741 111 0011 | | N | | _ | (Options #) |
| T III al C | | | | | | | | | | | | (options ") |
| iCLASS Prog | ramming I | nforma | ition | | | | | | | | | |
| Format Number (e.g. H10301) | er | | Name(s) | de | Value | е | QTY | Encod | ed Start I | Number | Encoded | d Stop Number |
| Bit Numbers | | | | | | | | Printe | d Start Nu | ımber | Printed 9 | Stop Number |
| (e.g. 26 bit) | | | | | | | | | | | | |
| ICE Number | | | | | | | | | | | | |
| 2 nd 13.56 MF | lz Program | ming l | nforma | tion | | | | | | | | |
| Format Number (e.g. H10301) | er | | Name(s) | de | Value | е | QTY | Encod | ed Start I | Number | Encoded | d Stop Number |
| Bit Numbers | | | | | | | | Printe | d Start Nu | ımber | Printed 9 | Stop Number |
| (e.g. 26 bit) | | | | | | | | | | | | |
| ICE Number | | | | | | | | | | | | |
| | | | | | | | | | | | | |



125 kHz 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 | | | | | |

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

² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo (1111) and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

³ The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.

⁴ 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.



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% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 Optional 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Contact Smart Contact chip not Chip Module **Programming (select one option)** included (Front Only) ☐ **HP** - Programmed with Security Identity Object (SIO) and standard iCLASS Access Control Application (Recommended)1 C - Configured, Non-Programmed iCLASS. **Programming Information Not Required** P - Programmed iCLASS. Specify Programming Information 3.370" (8.57 cm) SHARE Front Packaging (select one option) 0.0331 CARD G - Plain White with Gloss Finish **EDGE** 0.084 cm) 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 **Back Packaging** C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ 2.125" (5.4 cm) 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -**Optional Magnetic Stripe** Specify Custom Artwork Number¹ (1/2" HICO/High Energy - 4000 Oe) Card Numbering³ (select one option) HID iCLASS **12345 YYYYYYYYYYY** ■ N - No External Card Numbering ■ A - Sequential Matching Internal/External (Engraved) 12345 = Card ID Number **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved) YYYYYYYYY = Sales Order Number ■ C - Random Internal/Non-Matching Sequential External (Laser Engraved) Slot Punch⁴ B - No Slot Punch. This card can be slotted horizontally, Printed Horizontal Slot Indicators H - Horizontal Slot Punch N - No Slot Punch (Printed location of vertical slot punch will remain) 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: 2111CGGNN **Final Part Number** 211 (Options #)



| iCLASS Card Program | ming 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) | | | | | |
| | | | | | |
| PIN: Sequential: Start#_ | | ndom: Length _ | | | |
| Special Instructions: | | | | | |

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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

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

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

⁴ Cards 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.

SHARED

CARD EDGE



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

Base Model ■ 213 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas **Front Packaging** 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 Optional Contact Smart 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Contact chip Chip Module not included. (Front Only) **Programming (select one option)** ■ HP - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 25 kHz Unprogrammed⁵ HB - Programmed with Security Identity Object (SIO), 3.370" and standard iCLASS access control application, (8.57 cm) 125 kHz programmed with HID Prox or Indala format. 0.033' P - Programmed with standard iCLASS access control application, (0.084 cm) 125 kHz HID Prox unprogrammed for use with iCLASS SE Encoder. 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 **Back Packaging** A - iCLASS Unprogrammed, for use with iCLASS SE Encoder, 2.125" (5.4 cm) 125 kHz programmed with HID Prox or Indala format. M - iCLASS Programmed, HITAG2 blank. Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) ☐ I - iCLASS configured field programmable, HITAG2 blank. HID iCLASS 12345 **12345 YYYYYYYYYYY** Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork/Contact Module with Gloss Finish -125 kHz# iCLASS# Specify Custom Artwork/Contact Module Number¹ **Back Packaging (select one option)** 12345 = Card ID Number ☐ **G** - Plain White with Gloss Finish² YYYYYYYYY = Sales Order Number C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number¹ 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) Slot Punch⁴ N - No Slot Punch. (Printed location of vertical slot punch will remain)



| 125 kHz Card Numbering | | e option) | | | | | | | |
|--------------------------------|----------------|------------------|----------------------|--------------|-----|---------------|-------------|-------------|-------------|
| N - No External Card No | • | – | | | | | | | |
| A - Sequential Matching | _ | | | | | | | | |
| B - Sequential Internal/ | • | _ | _ | | | | | | |
| C - Random Internal/No | on-Matching S | Sequential Exter | nal (Laser Engrave | ed) | | | | | |
| Option - Custom Artwork | K ¹ | | | | | | | | |
| | (Specify | Artwork Numbe | er - Refer to the Cu | stom Artwork | For | ms for new Ar | twork) | | |
| Enter your final card opti | ions from ch | ack hoves ahe | ve Evample: 21 | 33CGGNNN | ı | | | | |
| Final Part Number | 213 | CON DOXCO UD | ve. Example. 21 | 00000111111 | | | | _ | (Options #) |
| rillal rait Nullibel | 213 | | | | | | | _ | (Options #) |
| :OI 400 D : | 1.6 | | | | | | | | |
| iCLASS Programming | g Informati | on | | | | | | | |
| Format Number | Field Na | ma(a) | Value | QTY | | Encoded C | tart Number | Encoded 9 | Stop Number |
| (e.g. H10301) | | lity Code | value | QII | | Encoded 5 | art Number | Encoded | stop Number |
| (cigirir cour, | 3.3.1.0.0 | , | | | | | | | |
| Bit Numbers | | | | | | Printed Sta | rt Number | Printed Sto | op Number |
| (e.g. 26 bit) | | | | | | | | | |
| | | | | | | | | | |
| PIN: Sequential: Start# | <u> </u> | F | Random: Length _ | | | | | | |
| 125 kHz Programmin | g Informat | ion | | | | | | | |
| | | | | | | | | | |
| Format Number | Field Na | | Value | QTY | | Encoded St | art Number | Encoded S | Stop Number |
| (e.g. H10301) | e.g. Faci | lity Code | | | | | | | |
| | | | | | | | | 21.12 | |
| Bit Numbers | | | | | | Printed Sta | rt Number | Printed Sto | op 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.

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

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

³ The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in bottom center for 125 kHz Prox on the back of the card.

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

⁵ 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: 2130PGGNNN.

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

SHARED

CARD

EDGE



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.

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

Base Model ■ 243 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging (only available with MIFARE CLASSIC 1K) **Optional Contact** 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 2.125" **Smart Card Module** 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 (5.4 cm) (Front Only) **Card Programming (select one option)** Module not included J - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology programmed with Security Identity Object (SIO). 3.370" H - iCLASS programmed with Security Identity Object (SIO) (8.57 cm) and iCLASS standard access control application, 0.033" 2nd technology unprogrammed. (0.084 cm) **B** - iCLASS programmed with iCLASS standard access control application, 2nd Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESFire). P - iCLASS programmed with iCLASS standard access **Back Packaging** control application, 2nd Technology unprogrammed. Note: Illustrated marking is for DESFire cards. ☐ C - Unprogrammed iCLASS, for use with iCLASS SE Encoder, MIFARE Classic cards indicate MIFARE Non-programmed 2nd Technology. Optional Magnetic Stripe A - iCLASS unprogrammed, for use with iCLASS SE Encoder, (1/2" HICO/High Energy - 4000 Oe) 2nd Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESFire). HID iCLASS 12345 **12345 YYYYYYYYYYY** 2nd High Frequency Technology (select one option) M - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits) 125 kHz# iCLASS # N - MIFARE 4K Bytes Front Packaging (select one option) 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 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number¹ iCLASS Card Numbering³ (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)



Slot Punch

| Bit Numbers (e.g. 26 bit) | | | | | | Printed | Start Nun | nber | Printed Sto | pp Number |
|--|-----------------|----------------|----------------------|------------------|----------------|------------------------------------|------------|-------|-------------|-------------|
| | | | | | | | | | | |
| (e.g. H10301) | | e.g. Facility | Code | | | | | | | |
| Format Number | er | Field Name | • • | Value | QTY | Encode | d Start Nu | ımber | Encoded S | top Number |
| iCLASS Prog | ramming l | nformation | 1 | | | | | | | |
| | | | | | | | | | | |
| Final Part Nun | nber 243 | В | | | | | N | | _ | (Options #) |
| Enter your fina | l card option | s from the a | bove selec | ctions. Examp | ole: 2434PNGG | NNN | | | | |
| | | (Specify Art | work Numb | er - Refer to th | e Custom Artwo | rk Forms for new | Artwork) | | | |
| Option - Custo | m Artwork¹ | | | | | | | | | |
| C - Random | Internal/Non-I | Matching Seq | uential Exte | ernal(Laser Eng | graved) | | | | | |
| ☐ B - Sequenti | al Internal/Sed | quential Non-N | Matching Ex | kternal (Laser I | Engraved) | | | | | |
| A - Sequenti | al Matching In | ternal/Extern | al (Laser En | igraved) | | | | | | |
| 2 nd High Freque N - No Exter | • | •• | mbering ³ | (select one o | ption) | | | | | |
| № N - No Slot F | Punch. | | | | | | | | | |
| IMPORTANT: | | | | | | the antenna des yard or badge c | | | | |
| | | | | | | | | | | |

2nd 13.56 MHz Programming Information

| Format Number | F |
|---------------|----|
| (e.g. H10301) | e. |
| | |
| Bit Numbers | |
| (e.g. 26 bit) | |
| | |
| | |

PIN: Sequential: Start#_

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

Random: Length

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

Special Instructions:

ICE Number

QTY

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

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

³ The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.

^{*} 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.

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

Base Model ■ 263 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging (only available with MIFARE CLASSIC 1K) 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 **Optional Contact** 2.125" **Smart Card Module** 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 (5.4 cm) (Front Only) Card Programming (select one option) J - iCLASS programmed with Security Identity Object (SIO) Module not included and iCLASS standard access control application, 2nd technology programmed with Security Identity Object (SIO). H - iCLASS programmed with Security Identity Object (SIO) 3.370' SHARED (8.57 cm) and iCLASS standard access control application, CARD 0.033 2nd technology unprogrammed. **EDGE** (0.084 cm) 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). **Back Packaging B** - iCLASS programmed with iCLASS standard access control application, 2nd Technology programmed Note: Illustrated marking is for DESFire cards. with HID MIFARE (MIFARE Classic) or custom (MIFARE DESFire). MIFARE Classic cards indicate MIFARE P - iCLASS programmed with iCLASS standard access **Optional Magnetic Stripe** control application, 2nd Technology unprogrammed. (½" HICO/High Energy - 4000 Oe) C - iCLASS unprogrammed, for use with iCLASS SE Encoder, **12345 YYYYYYYYYYY** HID iCLASS 12345 2nd Technology unprogrammed. 2nd Technology programmed with HID MIFARE 125 kHz# iCLASS# (MIFARE Classic) or custom (MIFARE DESFire). 2nd 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 Number¹ **Back Packaging (select one option)** ☐ **G** - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe²

3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹



| iCLASS Card Number | ering³ (s | elect o | ne optic | on) | | | | | | | | | |
|--|---|--|--|--|--|--|-----------------------------|---------|-----------|----------|-----------|--------------|-------------|
| ■ N - No External Ca | rd Numb | ering | | | | | | | | | | | |
| A - Sequential Mat | tching Int | ternal/Ex | xternal (l | Laser Eng | raved) | | | | | | | | |
| ■ B - Sequential Inte | rnal/Seq | uential N | Non-Mat | ching Exte | ernal (Las | ser Eng | raved) | | | | | | |
| C - Random Intern | al/Non-N | /latching | g Sequer | ntial Extern | nal (Lasei | r Engrav | /ed) | | | | | | |
| Slot Punch | | | | | | | | | | | | | |
| IMPORTANT: Dual | | | | | | | unch due to card to a la | | | | | | |
| N - No Slot Punch. | | | | | | | | | | | | | |
| 2nd High Frequency N - No External Ca A - Sequential Inte C - Random Intern 3rd High Frequency I N - No External Ca A - Sequential Mat B - Sequential Inte C - Random Intern C - Random Intern | ard Numb tching Int rnal/Seq al/Non-N Fechnolo rd Numb tching Int rnal/Seq al/Non-N | pering ternal/Extreme | xternal (i Non-Mat g Sequer d Numb xternal (i Non-Mat g Sequer | Laser Engreching External Exte | raved) ernal (Laser elect on raved) ernal (Laser | ser Eng Engrav e optic ser Eng Engrav | raved) ed) on) | vork Fo | rms for r | new Artv | vork) | | |
| Enter your final card | options | s from t | he abov | ve selecti | ions. Ex | ample: | 2634JNP | GGAN | NN | | | | |
| Final Part Number | 263 | | | | Р | | | | N | | | _ | (Options #) |
| | | | | | | | | | | | | | |
| iCLASS 13.56 MI | dz Prog | jramm | ing Inf | formatio | n | | | | | | | | |
| | | | | | | | | | | | | | |
| Format Number (e.g. H10301) | | | Name(s) | | Val | ue | QTY | | Enco | ded Sta | rt Number | Encoded St | op Number |
| Bit Numbers | | | | | | | | | Print | ed Start | Number | Printed Stop | Number |
| (e.g. 26 bit) | | | | | | | + | | | | | | |
| | | | | | | | - | | | | | | |
| ICE Number | | | | | | | _ | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| PIN: Sequential: S | tart# | | | | Ra | andom: | Length | | | | | | |



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 (e.g. 26 bit) | | | | Printed Start Number | Printed Stop Number |
| Special Instructions: | | | | | |

125 kHz 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 |
| , , | | | | | |

Special Instructions:

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

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

³ The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and 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

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

| Base Model | [| ☑ 1597 Con | nposite 40% | Polyester / I | PVC | * | | | |
|---|--|-----------------------|-----------------|--|-------|------------|-------------------------------------|---------------|-------------|
| Programming (select L - Programmed, Lo Specify Programmin N - Non-Programme Programming Inform | w Frequency (1 og Information. d, Low Frequer | cy (125 kHz). | | Reserved for Contact Smart Chip Module (Embed on Front Only) | | → | Front Pack Contact ch include | ip not | |
| Front Packaging (sele G - Plain White with C - Custom Artwork Specify Custom Artw | Gloss Finish with Gloss Finis work Number ¹ | sh – | | | | | 3.370" (8.57 cm | n) | SHARE |
| Back Packaging (sele G - Plain White PVC C - Custom Artwork Specify Custom Artw | with Gloss Finis with Gloss Finis | h ² | | 0.033" (0.084 cm) | | | | | CARD |
| Card Numbering³ (selon Normal Card Normal Card Normal Card Normal Match Normal | I Numbering ning Internal/Ex al/Sequential N | ternal (Engrave | xternal (Engrav | | | | Back Packa | aging | 0 0 0 |
| Slot Punch ⁴ N - No Slot Punch (P V - Vertical Slot Punch | | of vertical slot p | unch will rema | in) | | 12345 = Ca | ard ID Number | 12345 YYYYYYY | Y-YY |
| Option - Custom Artw | (Specif | | | e Custom Artwork | (Fori | | /-YY = Sales Or Artwork) | der Number | |
| Final Part Number | 1597 | | | | | | | _ | (Options #) |
| 125 kHz Card Prog | ramming In | ormation | | | | | | | |
| Format Number (e.g. H10301) | | ame(s) cility Code | Value | QTY | | Encoded | Start Number | Encoded S | top Number |
| Bit Numbers (e.g. 26 bit) | | | | | | Printed S | tart Number | Printed Sto | pp Number |
| | : | | | | | | | | |



- ¹ For new artwork files, contact Customer Service for custom artwork number, lead times and cost.
- ² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
- ³ The external card number is placed in the bottom right-hand corner on the back of the card.
- ⁴ Cards 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

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

| Base Model | l | ⊠ 1598 Co | mposite 40% F | Polyester / P\ | /C* | | | | |
|--|---|--|-----------------------|--|----------|---|---------------------------------------|----------------------------|------------------|
| Programming (select of L - Programmed, Low Specify Programming N - Non-Programmed, Programming Informa | Frequency (1 Information. Low Frequer | ncy (125 kHz). | | Reserved for Contact Smart Chip Module (Embed on Front Only) | | S Cor | nt Packagi ntact chip included. | • | |
| Front Packaging (selection of Grant Packaging (selection Grant Packaging (selection Grant Packaging Grant Packaging (selection Gr | oss Finish ith Gloss Fini | | | Florit Only) | | | 3.370" | | <u></u> |
| Back Packaging (select G - Plain White PVC wi C - Custom Artwork w Specify Custom Artwo | th Gloss Fini ith Gloss Fini | sh ² sh – | | 0.033" (0.084 cm) | | | (8.57 cm) | | SHARED CARD EDGE |
| Card Numbering³ (selection N - No External Card N A - Sequential Matchin B - Sequential Internal C - Random Internal/N | et one option Jumbering Ing Internal/E /Sequential I | n) kternal (Engra Non-Matching | External (Engraved | 2.125") (5.4 cm) | Ma | | ck Packagi " HICO/Higi | ing n Energy - 4000 Oe) | |
| Slot Punch ⁴ (select one N - No Slot Punch (Prin | option) | | | <u> </u> | ⊞ | ID | 1 | 2345 ҮҮҮҮҮҮҮҮ | |
| V - Vertical Slot Punch Option - Custom Artwol | ·k¹ | | nber - Refer to the C | | Y | 2345 = Card ID YYYYYYYY = for new Artwor | Sales Orde | r Number | |
| Enter your final card op | | • | | | 011110 | TOT HOW 7 II CIVO | i.y | | |
| Final Part Number | 1598 | | | | | | - | (Optional A | Artwork #) |
| 125 kHz Card Progra | mming In | formation | | | | | | | |
| Format Number (e.g. H10301) | | lame(s) cility Code | Value | QTY | E | Encoded Start I | Number | Encoded Stop | Number |
| Bit Numbers (e.g. 26 bit) | | | | | P | Printed Start No | umber | Printed Stop N | umber |
| Chariel Instructions | | | | | | | | | |



- ¹ For new artwork files, contact Customer Service for custom artwork number, lead times and cost.
- ² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
- ³ The external card number is placed in the bottom right-hand corner on the back of the card.
- ⁴ Cards 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.



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 SI (Recommended) | • | • | | OR | 1436 (1K) |) Composite 4 | vithout SIO (10% Polyester | r / PVC* | | |
| 3450 (1K) Composite 40% Po | | | | | 1446 (4K) |) Composite F | Polyester 40% | o / PVC* | | |
| □ 3456 (4K) Composite Polyest Programming* (select one op □ P - Programmed with Securit for MIFARE Classic □ V - Unprogrammed Secure to for MIFARE Classic, for use w * A marker is placed in sector 6 and | otion) ty Identity Ol dentity object with iCLASS | oject (SIO) t (SIO), SE Encodei | | | M - Progr N - Unpro (custom o | ogrammed Mi or HID) m programme | ne option) MIFARE6 acc IFARE Classic ed MIFARE C | for use with | n iCLASS SE | Encoder |
| Front Packaging (select one of the Custom Artwork is desired, special E - Contact Module Embedding | ecify Custom | | | ow ¹ | 2.125" | | Optiona Smart C | ackaging I Contact ard Module r Back side) | | |
| Back Packaging (select one of G - Plain White with Gloss Fin 1 - Plain White with Gloss Fin C - Custom Artwork with Glospecify Custom Artwork Nur | nish ² nish with Ma ss Finish – | gnetic Strip | e ² | | (5.4 cm) | | Contact chip | not include | | <u></u> |
| 3 - Custom Artwork with Glos Magnetic Stripe Specify Cus | ss Finish wit | | | | 0.033" | • | | 370" 7 cm) | - | SHARED CARD EDGE |
| Card Numbering³ (select one Z - Reversed UID (CSN) Deci N - No External Card Numbe A - Sequential Matching Inte B - Sequential Internal/Sequ C - Random Internal/Non-Ma | mal card nui ring rnal/Externa ential Non-N | ıl (Laser Enç latching Ex | graved) ⁴ ternal (Lase | ngraved) ⁴ er Engrave | | | | ackaging | 0 0 0 | |
| Slot Punch⁵ (select one optio ■ N - No Slot Punch (Printed lo ■ V - Vertical Slot Punch | • | tical slot pu | ınch will re | main) | | Magneti | c Stripe ½" HIC | | y-4000 Oe | |
| Option - Custom Artwork¹ | (O | wanda Nila a si | - Dafe : | atha C | A | YYYYYY | Card ID Nun | | nber | |
| | | | | | | orms for new | Artwork) | | | |
| Enter your final card options | Trom check | Doxes abo | | pie: 1430 | NEGNN | | | | (0.11 | #\ |
| Final Part Number | | | E | | | | | _ | (Optio | ns #) |



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 |

Special Instructions:

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

² Cards ordered with plain white front and back packaging, with no HID artwork or with 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.

³ The 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.

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

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

⁶ Includes a permanent Unique MIFARE 32 Bit Serial number.

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



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.

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

| Card with SIO encoding | | | | OR | Card withou | | • | | | |
|--|--|--------------------|---------------------------------|-----------------------|--------------------|------------------------|---|-------------------------------------|--------------------|------------------|
| 3750 Composite 40% Polyes | ster / PVC* | | | | ☐ 1456 Con | nposite 40% | Polyester / P\ | /C* | | |
| MIFARE DESFire EV1 Memory ☐ C - 8K Bytes MIFARE DESFire | | | | | MIFARE DES | | • | | | |
| Programming □ P - Programmed Security Ide MIFARE DESFire EV1 □ V - Unprogrammed Secure Ide DESFire EV1, for use with iCe | dentity objec | t (SIO) for | ı | | Encoder (| grammed 13 (custom) | s.56 MHz DES ESFire EV1 pr | | | LASS SE |
| Front Packaging (select one of the content of the c | r below ¹ able Plain G option) | oss White | Finish | | 2.125" (5.4 cm) | | | Contact ard Module Back side) | d | |
| ☐ 1 - Plain White with Gloss Fin ☐ C - Custom Artwork with Glo Specify Custom Artwork Nu ☐ 3 - Custom Artwork with Glo | ess Finish – mber ^{1, 2} ss Finish wit | | | , | 0.033" | <u> </u> | 3.3 (8.57 | | | SHARED CARD EDGE |
| Specify Custom Artwork Nu Card Numbering³ (select one N - No External Card Number A - Sequential Matching Inter B - Sequential Internal/Sequential Internal/Non-Matching Int | option) ring rnal/Externa ential Non-N atching Sequ | Matching Extension | kternal (Lase ernal (Laser I | er Engrav Engravec | | | Back Pa | | 0 0 0 | |
| Slot Punch ⁵ (select one option N - No Slot Punch (Printed Idea) V - Vertical Slot Punch Option - Custom Artwork ¹ | ocation of ve | · | | | om Artwork Fc | 12345 = 0 YYYYYYY | Card ID Numl YY-YY = Sales Artwork) | 12345 YY | YYYYYY-YY <i>)</i> | |
| Enter your final card options | | | | | | | • | | | |
| Final Part Number | 1456 | С | J. J. ZAWIII | E E | | | | _ | (Optio | ons #) |



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 |
| (cig. 20 bit) | | | | | |

Special Instructions:

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

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

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

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

⁵ Cards 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.

⁶ Includes a permanent Unique MIFARE 56 Bit Serial number.



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.

MIFARE Classic + Prox card without SIO encoding

Programming (select one option)

☐ 1437 (1K) Composite 40% Polyester / PVC*☐ 1447 (4K) Composite 40% Polyester / PVC*

L - Programmed 125 kHz with HID Prox or Indala Format6,

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

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

| | FARE Classic + Prox card th SIO encoding (Recommended) | OR |
|-------|--|----------------|
| | 3550 (1K) Composite 40% Polyester / PVC* | |
| | 3556 (4K) Composite 40% Polyester / PVC* | |
| Pro | ogramming* (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 | r |
| | R - Programmed 13.56 MHz Security Identity Object (SIO) for MI Classic, programmed 125 kHz with HID Prox or Indala format | FARE |
| | V - Unprogrammed 13.56 MHz SIO for MIFARE (for use with iCLA Encoder (SIO), unprogrammed 125 kHz HID Prox for use with iC SE Encoder | |
| * A r | marker is placed in sector 6 and will not be available for other data | I |
| | | |
| Fro | ont Packaging (select one option) | |
| | custom Artwork is desired, specify Custom Artwork Number below | v ¹ |
| _ | E - Contact Module Embeddable Plain Gloss White Finish | |
| _ | ck Packaging (select one option) G - Plain White with Gloss Finish ² | |
| | 1 - Plain White with Gloss Finish with Magnetic Stripe ² | |
| _ | 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ^{1,2} | |
| П | C - Custom Artwork with Gloss Finish - | |
| | Specify Custom Artwork Number ^{1, 2} | |
| | .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 | |
| Slo | ot Punch ⁵ (select one option) | |
| | N - No Slot Punch (Printed location of vertical slot punch will remV - Vertical Slot Punch | ıain) |
| | | |

unprogrammed 13.56 MHz MIFARE Classic (for use with iCLASS SE Encoder custom or HID) M - Programmed 13.56 MHz HID MIFARE6 access control application, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder SE B - Programmed 13.MHz with HID MIFARE6 access control application, programmed 125 kHz with HID Prox or Indala format 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 Optional Contact Smart Card Module** 2.125" (Front or Back side) (5.4 cm) Contact chip not included 3.370" SHARED (8.57 cm) CARD 0.033" **EDGE** (0.084 cm) **Back Packaging**

Magnetic Stripe 1/2" HICO/High Energy - 4000 Oe

12345 YYYYYYYYYY

13.56 MHz#

12345

125 kHz#

12345 = Card ID Number

YYYYYYYYY = Sales Order Number



| 125 kHz Prox Card Numb | ering³ (select one or | otion) | | | | | | | |
|------------------------------------|-------------------------|-----------|-------------------|---------------------|----------|----------------|------------|---------|----------------|
| ■ N - No External Card Nu | • • | , | | | | | | | |
| A - Sequential Matching | Internal/External (Las | er Engrav | ed) ⁴ | | | | | | |
| ☐ B - Sequential Internal/S | | _ | | raved) ⁴ | | | | | |
| ☐ C - Random Internal/No | - | _ | _ | | | | | | |
| C - Nandom internal/ No | n-iviatening sequential | External | (Laser Eligia) | /eu) · | | | | | |
| Option - Custom Artwork | 1 | | | | | | | | |
| | (Specify Artwo | rk Numbe | er - Refer to the | e Custom Artv | vork Fo | orms for new A | rtwork) | | |
| | | | | | | | | | |
| Enter your final card option | ons from check hove | es ahove | Example: 1 | 441NFGNNN | ı | | | | |
| Final Part Number | | E | | | | | | _ | (Options #) |
| Filial Falt Nullibel | | | | | | | | | (Options #) |
| | | | | | | | | | |
| 13.56 MHz Programm | ing Information | | | | | | | | |
| | | | | | | | | | |
| Format Number | Field Name(s) | | Value | QTY | | Encoded Star | t Number | Encode | d Stop Number |
| (e.g. H10301) | e.g. Facility Code | | | | | | | | |
| | | | | | | | | | |
| Bit Numbers | | | | | | Printed Start | Number | Printed | Stop Number |
| (e.g. 26 bit) | | | | _ | F | | | | |
| - | | | | | L | | | | |
| | | | | | | | | | |
| 125 kHz Programming | Information | | | | | | | | |
| 125 KHZ Płogrammini | J IIIIOI IIIatioii | | | | | | | | |
| Format Number | Field Name(s) | | Value | QTY | | Encoded Star | t Number | Encode | ed Stop Number |
| (e.g. H10301) | e.g. Facility Code | | Value | l dii | | Lilicoucu Otal | rivallibei | Liloud | d Otop Ivamber |
| (10) | 3 , | | | | \dashv | | | | |
| Bit Numbers | | | | | - | Printed Start | Number | Printed | Stop Number |
| (e.g. 26 bit) | | | | + | - | . milea start | . tallibel | 1 mileu | Ctop Hullinei |
| (e.g. 20 bit) | | | | _ | L | | | | |
| | | | | | | | | | |
| Special Instructions: | | | | | | | | | |

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

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo under 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 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 32 Bit serial # cannot be printed on cards.

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

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

⁶ Includes a permanent Unique MIFARE 32 Bit Serial number.

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



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.

| Ensure each required option has been checked with the appropriate choice | to fulfill a completed order form. |
|--|--|
| Card with SIO encoding + Prox (Recommended) ☐ 3850 Composite 40% Polyester / PVC* MIFARE DESFire EV1 Memory Size ☑ C - 8K Bytes DESFire EV1 Programming (select one option) | Card without SIO encoding + Prox ☐ 1457 Composite 40% Polyester / PVC* *HITAG based cards are not available with composite MIFARE DESFire EV1 Memory Size ☑ C - 8K Bytes DESFire EV1 |
| 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) R - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE DESFire EV1, programmed 125 kHz HID Prox or Indala V - Unprogrammed 13.56 MHz with Secure Identity object (SIO) for MIFARE DESFire EV1 for use with iCLASS SE Encoder (SIO), 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). □ N - Unprogrammed 13.56 MHz DESFire EV1 for iCLASS SE Encoder (custom), unprogrammed 125 kHz HID Prox for iCLASS SE Encoder. □ S - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HID Prox for iCLASS SE Encoder, custom part number required □ R - Custom programmed 13.56 MHz, programmed 125 kHz HID Prox of 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 below¹ 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) SHAR CARD |

13.56 MIFARE DESFire Card Numbering³ (select one option)

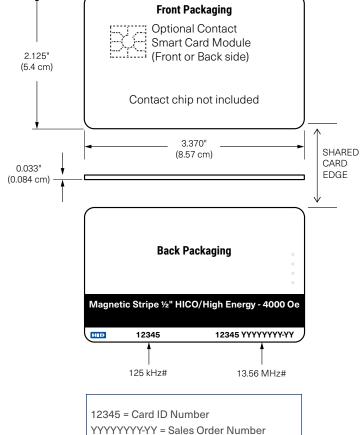
- N No External Card Numbering
- ☐ A Sequential Matching Internal/External (Engraved)⁴
- ☐ **B** Sequential Internal/Sequential Non-Matching External (Engraved)⁴
- ☐ C Random Internal/Non-Matching Sequential External (Engraved)⁴
- ☐ **Z** Reversed UID (CSN) Decimal card numbering only (Laser Engraved)⁴

Slot Punch⁵ (select one option)

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

125 kHz Prox 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)⁴
- ☐ **C** Random Internal/Non-Matching Sequential External (Engraved)⁴





| k¹ | | | | | |
|--|--|---|--|--|--|
| (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) | | | | | |
| tions from check boxes abo | ove. Example: 1 | 457CNEGNNN | V | | |
| 1457 C | Е | | | - (Options #) | |
| | | | | | |
| ming Information | | | | | |
| Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number | |
| | | | Printed Start Number | Printed Stop Number | |
| ng Information | | | | | |
| Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number | |
| | | | Printed Start Number | Printed Stop Number | |
| | (Specify Artwork Number tions from check boxes about 1457 C ming Information Field Name(s) e.g. Facility Code Ing Information Field Name(s) | (Specify Artwork Number - Refer to the Cotions from check boxes above. Example: 1 1457 | (Specify Artwork Number - Refer to the Custom Artwork tions from check boxes above. Example: 1457CNEGNNI 1457 C E ming Information Field Name(s) value e.g. Facility Code The property of the Custom Artwork of the Custom | (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) tions from check boxes above. Example: 1457CNEGNNN 1457 | |

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

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

³ The external card number is placed in the bottom 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.

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

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

 $^{^{\}rm 6}$ Includes a permanent Unique MIFARE 56 Bit Serial number.

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



Revision history

| Date | Description | Revision |
|----------------|--|----------|
| April 2024 | Added Seos Bamboo Card - 574 | D.8 |
| April 2024 | Updated Selecting the Right Mobile Access Subscription Type table, and added the Activation Based Subscription table. Updated the Ordering Information - Mobile Identities Service table. Various minor updates. | D.7 |
| October 2023 | Updated part number details, and added a caveat to the supplemental information needed for ordering Mobile Identities. Updated Credential Marking section. | D.6 |
| August 2023 | Added ordering information to upgrade Mobile Identities subscriptions. | D.5 |
| April 2024 | Added MIFARE DESFire EV3 Multi-Technology cards. Various minor updates. | D.4 |
| November 2022 | Updates Mobile Access Essentials subscription information. | D.3 |
| October 2022 | Updates to Mobile Access. | D.2 |
| September 2022 | Updates to HID Signo Readers credential profile table and configuration option table. Added the Fingerprint Enrollment USB Reader. Minor updates. Applied new branding. Changed iCLASS Seos to Seos. Added 'X' to selection boxes where there are no selectable options. | D.1 |
| September 2021 | Removed HID Signo Fingerprint Enrollment USB Reader. | D.0 |
| August 2021 | Updated Technical Support contact information. | C.9 |
| August 2021 | Added Signo PIV Readers, Signo Biometric Readers, and MIFARE DESFire EV3 Credentials. Minor updates. | C.8 |
| February 2021 | Added Seos Essential Credentials. | C.7 |
| October 2020 | 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 |
| July 2019 | Minor updates. | B.7 |
| June 2019 | Minor updates. | B.6 |
| April 2019 | Added iCLASS SE Express and Biometric (RB25F) Readers. Added iCLASS Seos 8K with MIFARE Classic or DESFire EV1 Implementation – 5806/5906. | B.5 |
| January 2019 | New "Understanding Credentials" section, revised iCLASS SE Encoder section, various minor updates to credential product pages including programming forms. | B.4 |
| October 2018 | Updated Mobile Access section. | B.3 |
| September 2018 | Updated to include iCLASS SE and multiCLASS SE Bluetooth and OSDP Upgrade Kits. | B.2 |
| August 2018 | Removed EOL 282 card. Various minor updates. | B.1 |
| December 2017 | Updated Credentials section with information on the HID Global Product Configurator. Various minor updates. | B.0 |
| September 2017 | Update to iCLASS SE Biometric and Display. | A.9 |
| August 2017 | Update to iCLASS SE Biometric ReaderSupport/Keyset and Configuration Settings. | A.8 |
| July 2017 | New iCLASS SE Biometric and Display Readers. Removed EOL iCLASS LCD products. | A.7 |
| June 2017 | Updated Mobile Access section. | A.6 |
| June 2017 | Removed EOL bioCLASS products. | A.5 |
| June 2017 | Updated Mobile Access section. | A.4 |
| ebruary 2017 | Removed EOL products, image updates. | A.3 |
| December 2016 | Seos 8k options note, added new 522 iCLASS Seos + iCLASS Card. Amended 520 iCLASS + Seos + iCLASS + Prox. | A.2 |
| September 2016 | iCLASS SE U90, wiring connection updates. | A.1 |
| March 2016 | Initial release. | A.0 |



hidglobal.com

For technical support, please visit: https://support.hidglobal.com

© 2024 HID Global Corporation/ASSA ABLOY AB. All rights reserved. PLT-02630, Rev. D.8

Part of ASSA ABLOY