READERS AND CREDENTIALS
HOW TO ORDER GUIDE

PLT-02630, Rev. C.6
October 2020
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<th>Date</th>
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<tr>
<td>October 2020</td>
<td>Updated Signo Reader Credential Profiles options.</td>
<td>C.6</td>
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<tr>
<td>May 2020</td>
<td>Updated HID Signo Readers section. Updated EMEA contact address.</td>
<td>C.4</td>
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<tr>
<td>March 2020</td>
<td>Minor update.</td>
<td>C.3</td>
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<tr>
<td>March 2020</td>
<td>Added Décor BLE model.</td>
<td>C.2</td>
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<td>Added HID Signo.</td>
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<td>October 2019</td>
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<td>B.8</td>
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<td>July 2019</td>
<td>Minor updates.</td>
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Contacts

For additional offices around the world, see https://www.hidglobal.com/contact/corporate-offices.

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<thead>
<tr>
<th>Americas and Corporate</th>
<th>Asia Pacific</th>
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<tbody>
<tr>
<td>611 Center Ridge Drive</td>
<td>9/F 625 King’s Road</td>
</tr>
<tr>
<td>Austin, TX 78753</td>
<td>North Point, Island East</td>
</tr>
<tr>
<td>USA</td>
<td>Hong Kong</td>
</tr>
<tr>
<td>Phone: 866 607 7339</td>
<td>Phone: 852 3160 9833</td>
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<td>3 Cae Gwyrdd</td>
<td>Condomínio Business Center</td>
</tr>
<tr>
<td>Green Meadow Springs</td>
<td>Av. Ermano Marchetti, 1435</td>
</tr>
<tr>
<td>Cardiff CF15 7AB</td>
<td>Galpão A2 - CEP 05038-001</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Lapa - São Paulo / SP</td>
</tr>
<tr>
<td>Phone: +44 (0) 2920 528 500</td>
<td>Brazil</td>
</tr>
<tr>
<td></td>
<td>Phone: +55 11 5514-7100</td>
</tr>
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</table>

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<td>MIFARE DESFire Embeddable Card - 375 / 1456</td>
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<td>MIFARE DESFire + Prox Embeddable Card - 385 / 1457</td>
<td>159</td>
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1. Readers

Understanding HID Global Readers

Can I configure my reader product online?

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

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

**HID Global Product Configurator:** [https://www.hidglobal.com/configure](https://www.hidglobal.com/configure)

What should I know about security keysets?

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

The **HID Elite Security Program** supports a unique keyset on a per site/company basis.

The keyset governs a variety of keys, including:

- Media (credential) keys for iCLASS SE, SIO*-encoded iCLASS, MIFARE Classic (SIO) and MIFARE DESFire EV1 (SIO) credentials.
- SIO authenticity and privacy keys (media independent).
- Configuration programming keys (for programming reader configuration, also media independent).

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

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

**iCLASS SE Reader Standard Security Keysets**

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

<table>
<thead>
<tr>
<th>Standard Security Keyset</th>
<th>Compatibility with these Credentials</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Version 1</strong></td>
<td></td>
</tr>
<tr>
<td>iCLASS Seos (+ Prox)</td>
<td>iCLASS SE (+ Prox)</td>
</tr>
<tr>
<td>iCLASS SE (+ Prox)</td>
<td>iCLASS SR (+ Prox)</td>
</tr>
<tr>
<td>iCLASS (+ Prox)</td>
<td>MIFARE Classic (+ Prox)</td>
</tr>
<tr>
<td>MIFARE DESFire EV1 (+ Prox)</td>
<td>MIFARE DESFire EV1 (+ Prox)</td>
</tr>
<tr>
<td><strong>Version 2</strong></td>
<td></td>
</tr>
<tr>
<td>iCLASS Seos (+ Prox)</td>
<td>iCLASS SE (+ Prox)</td>
</tr>
<tr>
<td>MIFARE Classic (+ Prox)</td>
<td>MIFARE DESFire EV1 (+ Prox)</td>
</tr>
</tbody>
</table>
HID Signo Reader Credential Profiles

HID Signo Readers are available with three credential profile options.

<table>
<thead>
<tr>
<th>Communication</th>
<th>NFC/BLE</th>
<th>High Frequency</th>
<th>Low Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credentials Supported</td>
<td>Seos (Mobile IDs via NFC/BLE)</td>
<td>Seos</td>
<td>iCLASS SE</td>
</tr>
</tbody>
</table>

☐ 00 - Standard Profile
☐ 01 - Seos Profile
☐ 02 - Smart Profile
☐ 03 - 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.
- Ensure the HID Elite flag is set in the part number (of readers, credentials and programming cards).
- All Purchase Orders for HID Elite components must be ordered with the HID Elite reference number (starts with ICE or MOB).

How can I check the status of my order?
- To check order status, go to: [https://orderstatus.hidglobal.com/WebOrderStatus/](https://orderstatus.hidglobal.com/WebOrderStatus/)
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.

1. Credentials already issued/deployed?
   - Yes: HID Global recommends: **HID Signo Readers - Seos Profile**
     Simplest configuration as well as best-in-class security and privacy protection.
   - No: iCLASS Seos and/or HID Prox cards only?

2. iCLASS Seos and/or HID Prox cards only?
   - Yes: HID Global recommends: **HID Signo Readers - Standard Profile**
     Broad compatibility with legacy and new credential technologies, including iCLASS Seos, iCLASS SE, iCLASS, HID Prox, and Indala Prox.
   - No: Magnetic stripe cards?

3. Magnetic stripe cards?
   - Yes: HID Global recommends: **iCLASS SE Magnetic Stripe** readers
     Backwards compatible with magnetic stripe cards, future capable to support newer credential technologies.
   - No: FIPS 201 standard cards (PIV, CIV, CAC, TWIC etc.)?

4. FIPS 201 standard cards (PIV, CIV, CAC, TWIC etc.)?
   - Yes: HID Global recommends: **pivCLASS** readers
     Support for FIPS 201 standard cards (PIV, CIV, CAC, TWIC etc.).
   - No: NO

   - NO: NO
   - NO: NO
   - NO: NO
HID Signo Readers

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

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

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

### 1. Select hardware option

*(Select one model)*

- **20** - Designed for applications requiring a narrow card reader.
- **40** - Designed for applications requiring switch mounting.
- **20K** - Designed for applications requiring a narrow reader with 2 x 6 capacitive keypad.
- **40K** - Designed for applications requiring wall switch mounting with 3 x 4 capacitive keypad.

**Wiring Connection (Select one option)**

- **N** - Pigtail
- **T** - Terminal Strip

**Body Color**

- **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

*(Select one option)*

<table>
<thead>
<tr>
<th>Communication</th>
<th>NFC/ BLE</th>
<th>High Frequency</th>
<th>Low Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Credentials Supported</strong></td>
<td>Seos (Mobile IDs via NFC/ BLE)</td>
<td>Seos</td>
<td>iCLASS SE</td>
</tr>
<tr>
<td>00 - Standard Profile</td>
<td>⬗</td>
<td>⬗</td>
<td>⬗</td>
</tr>
<tr>
<td>01 - Seos Profile</td>
<td>⬗</td>
<td>⬗</td>
<td>⬗</td>
</tr>
<tr>
<td>02 - Smart Profile</td>
<td>⬗</td>
<td>⬗</td>
<td>⬗</td>
</tr>
<tr>
<td>03 - Custom Profile</td>
<td>⬗</td>
<td>⬗</td>
<td>⬗</td>
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*Supported - Not supported*
3. Select configuration option

<table>
<thead>
<tr>
<th>Credential Profile</th>
<th>Reader Model</th>
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<tbody>
<tr>
<td>Standard</td>
<td>000000</td>
</tr>
<tr>
<td>Seos</td>
<td>000000</td>
</tr>
<tr>
<td>Smart</td>
<td>000000</td>
</tr>
<tr>
<td>Custom</td>
<td>000000</td>
</tr>
</tbody>
</table>

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

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

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

Assemble your selections from Step 1 to 3.

<table>
<thead>
<tr>
<th>Reader Model</th>
<th>Wiring Connection</th>
<th>Body Color</th>
<th>Trim Color</th>
<th>Credential Profile</th>
<th>Configuration Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>20</td>
<td>T</td>
<td>K</td>
<td>S</td>
<td>00</td>
</tr>
<tr>
<td>Final Part Number</td>
<td>900NTNNEK000000 (R10)</td>
<td>900PTNNEK000000 (RP10)</td>
<td>910NTNNEK000000 (R15)</td>
<td>910PTNNEK000000 (RP15)</td>
<td>920NTNNEK000000 (R40)</td>
</tr>
</tbody>
</table>

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](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.

<table>
<thead>
<tr>
<th>iCLASS SE / multiCLASS SE Part Number</th>
<th>Compatible HID Signo Reader Part Number (pigtail)</th>
<th>iCLASS SE / multiCLASS SE Part Number</th>
<th>Compatible HID Signo Reader Part Number (terminal strip )</th>
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<tr>
<td>900NTNNEK000000 (R10)</td>
<td>Signo 20</td>
<td>900NTNTEK000000 (R10)</td>
<td>Signo 20</td>
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<tr>
<td>900PTNNEK000000 (RP10)</td>
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<td>900PTNTEK000000 (RP10)</td>
<td>20TKS-00-000000</td>
</tr>
<tr>
<td>910NTNNEK000000 (R15)</td>
<td></td>
<td>910NTNTEK000000 (R15)</td>
<td>40TKS-00-000000</td>
</tr>
<tr>
<td>910PTNNEK000000 (RP15)</td>
<td></td>
<td>910PTNTEK000000 (RP15)</td>
<td>40TKS-00-000000</td>
</tr>
<tr>
<td>920NTNNEK000000 (R40)</td>
<td>Signo 40</td>
<td>920NTNTEK000000 (R40)</td>
<td>Signo 40</td>
</tr>
<tr>
<td>920PTNNEK000000 (RP40)</td>
<td></td>
<td>920PTNTEK000000 (RP40)</td>
<td>20TKS-00-000000</td>
</tr>
<tr>
<td>921NTNNEK000000 (RK40)</td>
<td>Signo 40 Keypad</td>
<td>921NTNTEK000000 (RK40)</td>
<td>Signo 40 Keypad</td>
</tr>
<tr>
<td>921PTNNEK000000 (RPK40)</td>
<td></td>
<td>921PTNTEK000000 (RPK40)</td>
<td>40TKS-00-000000</td>
</tr>
<tr>
<td>Note: HID Signo 20K reader is mullion mount with 2 x 6 keypad</td>
<td></td>
<td>Note: HID Signo 20K reader is mullion mount with 2 x 6 keypad</td>
<td></td>
</tr>
</tbody>
</table>
HID Signo Accessories and Credentials

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

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

### Wall Spacers

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signo 20/20K Reader 0.5 Inch Spacer, Black</td>
<td>20-K-05</td>
</tr>
<tr>
<td>Signo 20/20K Reader, 0.5 Inch Spacer, Silver</td>
<td>20-S-05</td>
</tr>
<tr>
<td>Signo 20/20K Reader, 1 Inch Spacer, Black</td>
<td>20-K-10</td>
</tr>
<tr>
<td>Signo 20/20K Reader, 1 Inch Spacer, Silver</td>
<td>20-S-10</td>
</tr>
<tr>
<td>Signo 40/40K Reader, 0.5 Inch Spacer, Black</td>
<td>40-K-05</td>
</tr>
<tr>
<td>Signo 40/40K Reader, 0.5 Inch Spacer, Silver</td>
<td>40-S-05</td>
</tr>
<tr>
<td>Signo 40/40K Reader, 1 Inch Spacer, Black</td>
<td>40-K-10</td>
</tr>
<tr>
<td>Signo 40/40K Reader, 1 Inch Spacer, Silver</td>
<td>40-S-10</td>
</tr>
</tbody>
</table>

0.5 inches = 1.27 cm
1 inch = 2.54 cm

### Mounting Plate/Trim Color

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signo 20 Reader Mounting Plate, Black</td>
<td>20-K-MP</td>
</tr>
<tr>
<td>Signo 20 Reader Mounting Plate, Silver</td>
<td>20-S-MP</td>
</tr>
<tr>
<td>Signo 20K Reader Mounting Plate, Black</td>
<td>20KT-K-MP</td>
</tr>
<tr>
<td>Signo 20K Reader Mounting Plate, Silver</td>
<td>20KT-S-MP</td>
</tr>
<tr>
<td>Signo 40 Reader Mounting Plate, Black</td>
<td>40-K-MP</td>
</tr>
<tr>
<td>Signo 40 Reader Mounting Plate, Silver</td>
<td>40-S-MP</td>
</tr>
<tr>
<td>Signo 40K Reader Mounting Plate, Black</td>
<td>40KT-K-MP</td>
</tr>
<tr>
<td>Signo 40K Reader Mounting Plate, Silver</td>
<td>40KT-S-MP</td>
</tr>
</tbody>
</table>

### 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)**

![Reader Manager](HID)

**Google Play (Android devices)**

![Reader Manager](HID)
### iCLASS SE Readers

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

### iCLASS SE Reader - Seos Profile with Bluetooth Option

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

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

---

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

#### Reader Model (Select one model)

- **900 - Model R10**: Designed for door applications requiring a small footprint card reader.
- **910 - Model R15**: Designed for door applications requiring a mullion style mounting.
- **920 - Model R40**: Designed for door applications requiring standard wall switch mounting.
- **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 iCLASS Seos cards, and Mobile IDs via NFC.
- **B**: Supports iCLASS Seos cards, and Mobile IDs via NFC and Bluetooth Smart.

#### Controller Communication

- **N**: Wiegand
- **P**: OSDP

#### Wiring Connection (Select one option)

- **N**: Pigtail
- **T**: Terminal strip

#### Hardware Revision

- **E**: Revision E

#### Color

- **E**: Black

#### Keyset (Select one option)

- **2**: Standard and Mobile-Ready - supports iCLASS Seos credentials with standard keys. Prepared to support HID Mobile Access, but lacks the personalized configuration to read an organization's specific Mobile IDs. This configuration can be ordered at any time but will require field activation after the organization has completed registration for HID Mobile Access.
- **E**: HID Elite and Mobile-Enabled - supports iCLASS Seos credentials and Mobile IDs. Fully activated and personalized to support an organization's specific Mobile IDs. These readers can only be ordered after the organization has completed registration for either HID Elite or HID Mobile Access. If HID Elite reference (ICE) is given at time of order, only iCLASS Seos credentials with HID Elite keys are supported. If Mobile Reference (MOB) is given at time of order, only iCLASS Seos credentials with standard keys are supported.

#### Configuration Settings

- **0000**: Standard configuration. All iCLASS SE Readers - Seos Profile ship with the following standard configuration:
  - LED normally red, LED flashes green and beeps on card read.
  - Keypad output is 4-bit (if keypad reader).

Non-standard configuration can be applied at time of installation using the configuration card accessories listed on next page.
2. Enter the numbers/letters from the selections above into the table below

The resulting “Final Part Number” is used when ordering readers.

<table>
<thead>
<tr>
<th>Reader Model</th>
<th>125 kHz</th>
<th>13.56 MHz</th>
<th>Communication</th>
<th>Wiring</th>
<th>HW Rev</th>
<th>Color</th>
<th>Keyset</th>
<th>Config Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>920</td>
<td>N</td>
<td>S</td>
<td>N</td>
<td>T</td>
<td>E</td>
<td>K</td>
<td>E</td>
</tr>
<tr>
<td>Final Part Number</td>
<td>N</td>
<td>E</td>
<td>K</td>
<td>E</td>
<td>0000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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](http://www.hidglobal.com/customer-service)

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

- Mobile IDs
- iCLASS Seos
- iCLASS Seos + Prox

### iCLASS SE Reader - Seos Profile Configuration Cards

<table>
<thead>
<tr>
<th>Config Card Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE-SEOS-2-CRD0</td>
<td>iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - all cards (21 cards)</td>
</tr>
<tr>
<td>SE-SEOS-E-CRD0</td>
<td>iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - all cards (21 cards)</td>
</tr>
<tr>
<td>SE-SEOS-2-CRD1</td>
<td>iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Seos and prox settings (4 cards) Contains cards used to change the priority setting of iCLASS Seos and Prox technologies</td>
</tr>
<tr>
<td>SE-SEOS-2-CRD2</td>
<td>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</td>
</tr>
<tr>
<td>SE-SEOS-2-CRD3</td>
<td>iCLASS SE Seos Profile readers configuration config cards - Standard keys (2) - Audio visual settings (13 cards) Contains cards used to change behaviour of reader LED and beeper</td>
</tr>
<tr>
<td>SE-SEOS-2-CRD4</td>
<td>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</td>
</tr>
<tr>
<td>SE-SEOS-E-CRD1</td>
<td>iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - Seos and prox settings (4 cards) Contains cards used to change the priority setting of iCLASS Seos and Prox technologies</td>
</tr>
<tr>
<td>SE-SEOS-E-CRD2</td>
<td>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</td>
</tr>
<tr>
<td>SE-SEOS-E-CRD3</td>
<td>iCLASS SE Seos Profile readers configuration config cards - HID Elite keys - Audio visual settings (13 cards) Contains cards used to change behaviour of reader LED and beeper</td>
</tr>
<tr>
<td>SE-SEOS-E-CRD4</td>
<td>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</td>
</tr>
</tbody>
</table>

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

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

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

### Bluetooth

1. **Select one option from each of the following sections**

#### 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.

- **95B - Décor Model** - Designed for door applications requiring low profile EU square wall switch mounting.

#### 125 kHz Credential Support (Select one option)

- **N** - No 125 kHz support
- **P** - Support for HID Prox, AWID and EM4102 (32 bits)

#### 13.56 MHz and Bluetooth Credential Support

- **M** - Support for HID Mobile Access Mobiles IDs via NFC and Bluetooth Smart - reader equipped with Bluetooth Smart module. Also supports iCLASS Seos, iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO), MIFARE DESFire EV1 (SIO) and ISO 14443 UID.

#### Controller Communication (Select one option)

- **N** - Wiegand
- **C** - Clock & Data
- **P** - OSDP

#### Wiring Connection (Select one option)

- **N** - Pigtail (not available on 95B)
- **T** - Terminal strip

**Hardware Revision**

- **E** - Revision E

**Color**

- **K** - Black
- **G** - Grey (available on 95B only)
- **W** - White (available on 95B only)

**Keyset (Select one option)**

- **M** - Mobile-Ready: Prepared to support HID Mobile Access, but lacks the personalized configuration to read an organization's specific Mobile IDs. This configuration can be ordered at any time but will require field activation after the organization has completed registration for HID Mobile Access.

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

<table>
<thead>
<tr>
<th>Communication</th>
<th>125 kHz Support</th>
<th>Keypad Reader</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>N - Wiegand</td>
<td></td>
<td></td>
<td>A001</td>
</tr>
<tr>
<td>N - No</td>
<td>No</td>
<td></td>
<td>A002</td>
</tr>
<tr>
<td>P - Yes</td>
<td>No</td>
<td></td>
<td>A003</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td></td>
<td>A004</td>
</tr>
<tr>
<td>P - OSDP</td>
<td></td>
<td></td>
<td>A005</td>
</tr>
<tr>
<td>N - No</td>
<td>No</td>
<td></td>
<td>A006</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td></td>
<td>A007</td>
</tr>
<tr>
<td>P - Yes</td>
<td>No</td>
<td></td>
<td>A008</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

The resulting “Final Part Number” is used when ordering readers.

<table>
<thead>
<tr>
<th>Example</th>
<th>Reader Model</th>
<th>125 kHz</th>
<th>13.56 MHz</th>
<th>Communication</th>
<th>Wiring</th>
<th>HW Rev</th>
<th>Color</th>
<th>Keyset</th>
<th>Config Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>920</td>
<td>N</td>
<td>M</td>
<td>N</td>
<td>T</td>
<td>E</td>
<td>E</td>
<td>K</td>
<td>M</td>
<td>A001</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>Reader Model</th>
<th>125 kHz</th>
<th>13.56 MHz</th>
<th>Communication</th>
<th>Wiring</th>
<th>HW Rev</th>
<th>Color</th>
<th>Keyset</th>
<th>Config Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>M</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A007</td>
</tr>
</tbody>
</table>

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](http://www.hidglobal.com/customer-service)

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

- **Mobile IDs**
- **iCLASS Seos**
- **iCLASS**
- **iCLASS SE**
- **MIFARE DESFire EV1**
- **MIFARE Classic**
iCLASS SE Reader - Biometric

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

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

1. **Select one option from each of the following sections**

   **Reader Model (Select one model)**
   - ✅ RB25F - Designed for door applications requiring a small footprint card reader.

   **Wiring Connection**
   - ✅ N - Pigtail

   **Color**
   - ✅ K - Black

   **Keyset**
   - 00 - Standard (Non Elite)
   - 01 - Elite (Your Elite Key / MOB Key will need to be provided)

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

   The resulting “Final Part Number” is used when ordering reader.

<table>
<thead>
<tr>
<th>Final Part Number (Standard)</th>
<th>Reader Model</th>
<th>Wiring</th>
<th>Color</th>
<th>Keyset</th>
<th>Final Part Number (Elite)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RB25F</td>
<td>N</td>
<td>K</td>
<td>-00-</td>
<td>0000-0000</td>
</tr>
<tr>
<td></td>
<td>RB25F</td>
<td>N</td>
<td>K</td>
<td>-01-</td>
<td>0000-0000</td>
</tr>
</tbody>
</table>

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](http://www.hidglobal.com/customer-service)

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

   - Mobile IDs
   - iCLASS Seos
   - iCLASS
   - iCLASS SE
   - MIFARE DESFire EV1
   - MIFARE Classic
iCLASS SE Reader - Standard Profile

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

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

1. Select one from each of the following sections

**Reader Model (Select one model)**

- **900 - Model R10** - Designed for door 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 keypad input.
- **940 - Model R90** - Designed for vehicle access applications requiring extended read range.
- **95A - Décor model** - Designed for door applications requiring low profile EU square wall switch mounting.

**125 kHz Credential Support (Select one option)**

- **N** - None
- **P** - Supports HID Prox, AWID and EM4102 (32 bits). Not available on models 940 or 95A.
- **L** - Supports Indala Prox, please make sure to provide needed format at time of order. Not available on models 929, 940 or 95A. Not available with OSDP communication and/or Custom Programming or Transit.

**13.56 MHz Credential Support (Select one option)**

<table>
<thead>
<tr>
<th>iCLASS Seos</th>
<th>iCLASS SE</th>
<th>iCLASS SR</th>
<th>iCLASS</th>
<th>MIFARE Classic (SIO)</th>
<th>MIFARE DESFire EV1 (SIO)</th>
<th>Mobile ID's via NFC</th>
<th>Mobile ID's via Bluetooth Smart</th>
<th>ISO14443 UID</th>
<th>MIFARE Classic (Custom data)</th>
<th>MIFARE DESFire EV1 (Custom data)</th>
<th>FeliCa IDm</th>
<th>CEPAS CAN or UID</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
<td><img src="supported_icon.png" alt="Supported" /></td>
</tr>
</tbody>
</table>

**Controller Communication (Select one option)**

- **N** - Wiegand
- **C** - Clock & Data
- **P** - OSDP

---

1Not available on model 940.

2Consult your regional technical support representative for specific configurations.
Wiring Connection (Select one option)
- N - Pigtail (Not available on models 929, 940 or 95A)
- T - Terminal strip

Hardware Revision
- E - Revision E

Color (Select one option)
- K - Black
- W - White. Only available on 95A model.
- G - Gray. Only available on 95A model.

Keyset (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.

Configuration Setting
- 0000 - Standard configuration (not available on 929):
  - 125 kHz Credential Support = N - None or P - Supports HID Prox, AWID and EM4102 (32 bits)
  - 13.56 MHz Credential Support = T - Maximum Compatibility
  - Controller Communication = N - Wiegand
  - Keyset = 0 - Standard v1 or E - HID Elite
  - LED normally red, LED flashes green and beeps on card read
  - Keypad output is 4-bit (if keypad reader)

- xxxx - Non-Standard configuration: ANY other options selected above requires a Non-Standard 4 digit extension. To order non-standard configuration options, use the Select tab on the iCLASS SE Configuration spreadsheet at the following link [www.hidglobal.com/node/19914](http://www.hidglobal.com/node/19914). Your HID Global Support or Sales representative can help you determine your final configuration.

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

The resulting “Final Part Number” is used when ordering reader.

<table>
<thead>
<tr>
<th>Reader Model</th>
<th>125 kHz</th>
<th>13.56 MHz</th>
<th>Communication</th>
<th>Wiring</th>
<th>HW Rev</th>
<th>Color</th>
<th>Keyset</th>
<th>Config Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>920</td>
<td>N</td>
<td>T</td>
<td>N</td>
<td>T</td>
<td>E</td>
<td>K</td>
<td>O 0000</td>
</tr>
<tr>
<td>Final Part Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E</td>
</tr>
</tbody>
</table>

### 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](http://www.hidglobal.com/customer-service)

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

- **Mobile IDs**
- **iCLASS Seos**
- **iCLASS**
- **iCLASS SE**
- **MIFARE DESFire EV1**
- **MIFARE Classic**
iCLASS SE Express Reader

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

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

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

Reader Model (Select one model)

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

125 kHz Credential Support

- **N** - No 125 kHz support

13.56 MHz and Bluetooth credential support (Select one option)

- **S** - Supports iCLASS Seos cards, and Mobile IDs via NFC.
- **B** - Supports iCLASS Seos cards, and Mobile IDs via NFC and Bluetooth Smart.
- **C** - Supports iCLASS Seos cards, Mobile IDs via NFC and ISO14443 UID.
- **D** - Supports iCLASS 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

- **K** - Black

Keyset (Select one option)

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

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

Configuration Settings

- **0000** - Standard configuration. All iCLASS SE Express Readers ship with the following standard configuration:
  - LED normally red, LED flashes green and beeps on card read.
  - Non-standard configuration can be applied at time of installation using the HID Reader Manager mobile application available in the Apple App Store and Google play store.

Non-standard configuration: ANY other options selected above requires a non-standard 4 digit extension. To order non-standard configuration options, use the Build a new reader option on the HID Global Product Configurator website located at [https://www.hidglobal.com/configure](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.

<table>
<thead>
<tr>
<th>Reader Model</th>
<th>125 kHz</th>
<th>13.56 MHz</th>
<th>Communication</th>
<th>Wiring</th>
<th>HW Rev</th>
<th>Color</th>
<th>Keyset</th>
<th>Config Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>900</td>
<td>N</td>
<td>S</td>
<td>N</td>
<td>N</td>
<td>F</td>
<td>K</td>
<td>2</td>
</tr>
<tr>
<td>Final Part Number</td>
<td>900</td>
<td>N</td>
<td></td>
<td>N</td>
<td>N</td>
<td>F</td>
<td>K</td>
<td>0000</td>
</tr>
</tbody>
</table>

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](http://www.hidglobal.com/customer-service)

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

- **Mobile IDs**
- **iCLASS Seos**
- **iCLASS Seos + Prox**
iCLASS SE Biometric Reader - Wiegand or OSDP

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

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

1. Select one option from each section below

Reader Model (Select one model)

- 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 iCLASS Seos credentials
- F - Supports biometric template on iCLASS Seos, iCLASS SR and iCLASS credentials

Controller Communication (Select one option)
- N - Wiegand
- C - Clock & Data
- P - OSDP - Coming soon, contact your HID Sales Representative

Controller Connection
- T - Terminal strip

Hardware Revision
- E - Revision E

Color
- K - Black

iCLASS Support/Keyset (Select one option)
- 0 - Standard v1 – Supports iCLASS Seos, iCLASS SR and iCLASS credentials with default HID keys.
- 2 - Standard v2 – Supports iCLASS Seos credentials with default HID keys.
- E - HID Elite – Supports iCLASS Seos, iCLASS SR and iCLASS credentials with HID Elite keys. Key reference (ICE or MOB) required at time of order.

Configuration Setting

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

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

<table>
<thead>
<tr>
<th>Controller Communication</th>
<th>13.56 MHz Credential Support</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>N - Wiegand</td>
<td>S - iCLASS Seos</td>
<td>00TG</td>
</tr>
<tr>
<td></td>
<td>F - iCLASS Seos, iCLASS SR and iCLASS</td>
<td>00TE</td>
</tr>
<tr>
<td>P - OSDP</td>
<td>S - iCLASS Seos</td>
<td>00TH</td>
</tr>
<tr>
<td></td>
<td>F - iCLASS Seos, iCLASS SR and iCLASS</td>
<td>00TF</td>
</tr>
</tbody>
</table>

ANY other option selected (including Clock & Data communication) requires a Non-Standard configuration EXTENSION. To determine configuration options, use the Select tab on the iCLASS SE Configuration Guide spreadsheet at the following link: www.hidglobal.com/node/19914. Your HID Global Support or Sales representative can help you determine your final configuration.
2. Enter the numbers/letters from the selections above into the table below
The resulting “Final Part Number” is used when ordering reader.

<table>
<thead>
<tr>
<th>Reader Model</th>
<th>125 kHz</th>
<th>13.56 MHz</th>
<th>Communication</th>
<th>Wiring</th>
<th>HW Rev</th>
<th>Color</th>
<th>Keyset</th>
<th>Config Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>928</td>
<td>N</td>
<td>F</td>
<td>N</td>
<td>T</td>
<td>E</td>
<td>K</td>
<td>O</td>
</tr>
<tr>
<td>Final Part Number</td>
<td>928</td>
<td></td>
<td></td>
<td></td>
<td>T</td>
<td>E</td>
<td>K</td>
<td></td>
</tr>
</tbody>
</table>

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

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

- Mobile IDs
- iCLASS Seos
- iCLASS
- iCLASS SE
- MIFARE DESFire EV1
- MIFARE Classic
iCLASS SE Reader - Magnetic Stripe

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

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

### 1. Select one option from each of the following sections

**Reader Model (Select one model)**

- **922 - Model RM40** - Designed for door applications requiring standard wall switch mounting.
- **925 - Model RMK40** - Designed for door applications requiring standard wall switch mounting. Supports keypad input.

**125 kHz Credential Support (Select one option)**

- **N** - No 125 kHz support
- **P** - Support for HID Prox, AWID and EM4102 (32 bit)

**13.56 MHz Credential Support (Select one option)**

<table>
<thead>
<tr>
<th></th>
<th>iCLASS Seos</th>
<th>iCLASS SE</th>
<th>iCLASS SR</th>
<th>iCLASS</th>
<th>MIFARE Classic (SIO)</th>
<th>MIFARE DESFire EV1 (SIO)</th>
<th>Mobile IDs via NFC</th>
<th>Mobile IDs via Bluetooth Smart</th>
<th>ISO14443 UID</th>
<th>MIFARE Classic (Custom data)</th>
<th>MIFARE DESFire EV1 (Custom data)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>T</strong> - Maximum compatibility</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>N</strong> - High security Weigand</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>-</td>
<td>●</td>
<td>●</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>W</strong> - Custom programming*</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>-</td>
<td>○</td>
<td>●</td>
<td>●</td>
<td>○</td>
</tr>
</tbody>
</table>

*Consult your regional technical support representative for specific configurations.

**Controller Communication (Select one option)**

- **N** - Wiegand
- **C** - Clock & Data
- **P** - OSDP

**Wiring Connection (Select one option)**

- **N** - Pigtail
- **T** - Terminal strip

**Hardware Revision**

- **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.
- **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: [www.hidglobal.com/node/19914](http://www.hidglobal.com/node/19914). Your HID Global Support or Sales representative can help you determine your final configuration.

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

The resulting “Final Part Number” is used when ordering reader.

<table>
<thead>
<tr>
<th>Reader Model</th>
<th>125 kHz</th>
<th>13.56 MHz</th>
<th>Communication</th>
<th>Wiring</th>
<th>HW Rev</th>
<th>Color</th>
<th>Keyset</th>
<th>Config Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>922</td>
<td>N</td>
<td>N</td>
<td>T</td>
<td>E</td>
<td>K</td>
<td>2</td>
<td>XXXX</td>
</tr>
<tr>
<td>Final Part Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E</td>
<td>K</td>
</tr>
</tbody>
</table>

**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](http://www.hidglobal.com/customer-service).

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

- **Mobile IDs**
- **iCLASS Seos**
- **iCLASS**
- **iCLASS SE**
- **HID Prox**
- **MIFARE DESFire EV1**
- **MIFARE Classic**
pivCLASS Reader - FIPS 201 Strong Authentication

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

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

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.
   - ☐ 920 - Model R40 - Designed for door applications requiring standard wall switch mounting.
   - ☐ 921 - Model RK40 - Designed for door applications requiring standard wall switch mounting. Supports keypad input.
   - ☐ 923 - Model RKCL40 - Designed for door applications requiring standard wall switch mounting. Featuring a contact slot, LCD display, and keypad.
   - ☐ 924 - Model RKCLB40 - Designed for door applications requiring standard wall switch mounting. Featuring a contact slot, LCD display, biometric sensor, and keypad.

   **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**
   - ☒ E - Revision E

   **Color**
   - ☒ 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:

<table>
<thead>
<tr>
<th>Reader Model</th>
<th>125 kHz Support</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>R10/R40</td>
<td>N - No</td>
<td>032Y</td>
</tr>
<tr>
<td></td>
<td>P - Yes</td>
<td>0007</td>
</tr>
<tr>
<td>RK40</td>
<td>N - No</td>
<td>033A</td>
</tr>
<tr>
<td></td>
<td>P - Yes</td>
<td>033B</td>
</tr>
<tr>
<td>RKCL40</td>
<td>N - No</td>
<td>032V</td>
</tr>
<tr>
<td></td>
<td>P - Yes</td>
<td>0008</td>
</tr>
<tr>
<td>RKCLB40</td>
<td>N - No</td>
<td>0504</td>
</tr>
</tbody>
</table>

2. Enter the numbers/letters from the selections above into the table below
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<th>Reader Model</th>
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<th>Color</th>
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<th>Config Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>900</td>
<td>N</td>
<td>H</td>
<td>R</td>
<td>T</td>
<td>E</td>
<td>K</td>
<td>O 032Y</td>
</tr>
<tr>
<td>Final Part Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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](http://www.hidglobal.com/customer-service).

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

- iCLASS Seos
- iCLASS SE
- iCLASS
- HID Prox
- MIFARE DESFire EV1
- MIFARE Classic
pivCLASS Reader - Wiegand or OSDP

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

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

1. **Select one option from each section below**

**Reader Model (Select one model)**

- **900 - Model R10** - Designed for door applications requiring a small footprint card reader
- **920 - Model R40** - Designed for door applications requiring standard wall switch mounting.
- **921 - Model RK40** - 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 typecards 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**

- **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.

<table>
<thead>
<tr>
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<th>125 kHz</th>
<th>13.56 MHz</th>
<th>Communication</th>
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<td>Example</td>
<td>900</td>
<td>N</td>
<td>H</td>
<td>R</td>
<td>T</td>
<td>E</td>
<td>K</td>
<td>0</td>
</tr>
<tr>
<td>Final Part Number</td>
<td></td>
<td></td>
<td></td>
<td>R</td>
<td>E</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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](http://www.hidglobal.com/customer-service)

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

- **iCLASS Seos**
- **iCLASS**
- **iCLASS SE**
- **HID Prox**
- **MIFARE DESFire EV1**
- **MIFARE Classic**
iCLASS SE U90 - UHF Long Range Reader

**Application:** Designed for vehicle access control installations which require long range authentication and high throughput.

**Technologies Supported:** Ultra High Frequency (UHF) EPC GEN 2.

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

**Reader Model (Select one model)**

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

**Antenna Code (Select one option, see table below)**

- 8
- 9

<table>
<thead>
<tr>
<th>Country</th>
<th>Operating Frequency</th>
<th>Antenna Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argentina</td>
<td>902 - 928 MHz</td>
<td>9</td>
</tr>
<tr>
<td>Austria</td>
<td>865 - 868 MHz</td>
<td>8</td>
</tr>
<tr>
<td>Australia</td>
<td>915 - 928 MHz</td>
<td>9</td>
</tr>
<tr>
<td>Belgium</td>
<td>865 - 868 MHz</td>
<td>8</td>
</tr>
<tr>
<td>Brazil</td>
<td>902 - 928 MHz</td>
<td>9</td>
</tr>
<tr>
<td>Bulgaria</td>
<td>865 - 868 MHz</td>
<td>8</td>
</tr>
<tr>
<td>Canada</td>
<td>902 - 928 MHz</td>
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<tr>
<td>China</td>
<td>921 - 924 MHz</td>
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<td>Columbia</td>
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<td>Croatia</td>
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<td>Cyprus</td>
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</tr>
<tr>
<td>United Arab Emirates</td>
<td>865 - 868 MHz</td>
<td>8</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>865 - 868 MHz</td>
<td>8</td>
</tr>
<tr>
<td>United States</td>
<td>902 - 928 MHz</td>
<td>9</td>
</tr>
</tbody>
</table>

**Color**

- **K** - Black

**Keyset (Select one option)**

- 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.

<table>
<thead>
<tr>
<th>Product Class</th>
<th>Product Sub Class</th>
<th>Base Reader</th>
<th>Antenna Code</th>
<th>Color</th>
<th>Keyset</th>
<th>Configuration Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>RDR</td>
<td>SE</td>
<td>U90</td>
<td>8</td>
<td>K</td>
<td>0000</td>
</tr>
<tr>
<td>Final Part Number</td>
<td>RDR</td>
<td>SE</td>
<td>U90</td>
<td>K</td>
<td></td>
<td>0000</td>
</tr>
</tbody>
</table>

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](http://www.hidglobal.com/customer-service).

Need credentials? This reader supports the following credentials:

- UHF cards
- UHF + iCLASS cards
## iCLASS SE Reader Accessories

### Configuration Cards

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>HID Elite (E) or Standard Security (0 or 2)</th>
<th>Configuration Settings¹</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reader Configuration Cards</strong></td>
<td>SEC9X-CRD-</td>
<td>E = HID Elite Key²</td>
<td>-XXXX = Specific config</td>
</tr>
<tr>
<td>Reconfigure reader to factory configuration settings</td>
<td></td>
<td>0 = Standard-1 key or standard-2 key²</td>
<td>-0000 = Factory config</td>
</tr>
<tr>
<td>(does not reconfigure reader admin or credential keys)</td>
<td></td>
<td></td>
<td>-0001 = Factory config</td>
</tr>
<tr>
<td><strong>HID Elite Upgrade Cards³</strong></td>
<td>SEC9X-CRD-</td>
<td>E = HID Elite Key⁴</td>
<td>-P000 = HID Elite reader admin keys</td>
</tr>
<tr>
<td>Setup iCLASS SE or multiCLASS® SE readers for HID Elite</td>
<td></td>
<td>E = HID Elite Key²</td>
<td>-P001 = HID Elite credential keys</td>
</tr>
<tr>
<td>credential keys or Reader admin keys</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HID Elite Downgrade Cards³</strong></td>
<td>SEC9X-CRD-</td>
<td>E = HID Elite Key²</td>
<td>-P002 = Standard reader admin keys</td>
</tr>
<tr>
<td>Setup iCLASS SE or multiCLASS SE readers for standard</td>
<td></td>
<td>0 = Standard-1 key or standard-2 key</td>
<td>-P003 = Standard-1 credential keys</td>
</tr>
<tr>
<td>credential keys or reader admin keys</td>
<td></td>
<td></td>
<td>-P004 = Standard-2 credential keys</td>
</tr>
</tbody>
</table>

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/node/19914](https://www.hidglobal.com/node/19914). Your HID Global Support or Sales representative can help you determine your final configuration.

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

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

²**Keys**

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-XXX(0, 1, 2, 3) is also be required to modify configuration options other than Elite keys, for example modification of125 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.
### Accessories
The following provides accessories that can be ordered separately for your iCLASS SE and multiCLASS SE readers.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDP-00354</td>
<td>R10 / RP10 (or equivalent sized model) Mini Mullion Reader Mounting Plate, Black</td>
</tr>
<tr>
<td>6309-103-01</td>
<td>R15 / RP15 (or equivalent sized model) Mullion Reader Mounting Plate, Black</td>
</tr>
<tr>
<td>6403-109-01</td>
<td>R40 / RP40 (or equivalent sized model) Wall Switch Reader Mounting Plate, Black</td>
</tr>
<tr>
<td>6094-101-01</td>
<td>RK40 / RPK40 (or equivalent sized model) Wall Switch Keypad Reader Mounting Plate, Black</td>
</tr>
<tr>
<td>6132AKB</td>
<td>R10 / RP10 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black</td>
</tr>
<tr>
<td>6132AKC</td>
<td>R15 / RP15 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black</td>
</tr>
<tr>
<td>6132AKT</td>
<td>R40 / RP40 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black</td>
</tr>
<tr>
<td>6132AKU</td>
<td>RK40 / RPK40 (or equivalent sized model) Reader Spacer, 12.7mm (0.5 in), Black</td>
</tr>
<tr>
<td>6132AKE</td>
<td>R40 / RP40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black</td>
</tr>
<tr>
<td>6132AK</td>
<td>RK40 / RPK40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black</td>
</tr>
<tr>
<td>6132AKR</td>
<td>RM40 / RMK40 (or equivalent sized model) Reader Spacer, Angled, Black</td>
</tr>
<tr>
<td>6132AKP</td>
<td>RM40 / RMK40 (or equivalent sized model) Reader Spacer, 25.4mm (1.0 in), Black</td>
</tr>
<tr>
<td>6715-305-01</td>
<td>R95A Reader, Cover Assembly, Décor, Euro, White</td>
</tr>
<tr>
<td>6715-305-04</td>
<td>R95A Reader, Cover Assembly, Décor, Euro, Black</td>
</tr>
<tr>
<td>MDP-00038</td>
<td>R95A Reader, Cover Assembly, Décor, Euro, Grey</td>
</tr>
<tr>
<td>400-2D71-06</td>
<td>High Security Screw, Spanner</td>
</tr>
<tr>
<td>6706-303-03</td>
<td>Pigtail Accessory Kit (includes terminal blocks, screws, and installation guide)</td>
</tr>
<tr>
<td>6706-303-04</td>
<td>Terminal Reader Accessory Kit (includes terminal blocks, screws, and installation guide)</td>
</tr>
<tr>
<td>6132AKB-M</td>
<td>R10 / RP10 BLE Reader Spacer, 12.7mm (0.5 in), Metallic Insert, Black</td>
</tr>
<tr>
<td>6132AKC-M</td>
<td>R15 / RP15 BLE Reader Spacer, 12.7mm (0.5 in), Metallic Insert, Black</td>
</tr>
<tr>
<td>6132AKT-M</td>
<td>R40 / RP40 BLE Reader Spacer, 12.7mm (0.5 in), Metallic Insert, Black</td>
</tr>
<tr>
<td>6132AKE-M</td>
<td>R40 / RP40 BLE Reader Spacer, 25.4mm (1.0 in), Metallic Insert, Black</td>
</tr>
<tr>
<td>6132AKU-M</td>
<td>RK40 / RPK40 BLE Reader Spacer, 12.7mm (0.5 in), Metallic Insert, Black</td>
</tr>
<tr>
<td>MME-00118</td>
<td>R10 / RP10 BLE Reader Metallic Insert with Adhesive (order in conjunction with spacer or mounting plate)</td>
</tr>
<tr>
<td>MME-00119</td>
<td>R15 / RP15 BLE Reader Metallic Insert with Adhesive (order in conjunction with spacer or mounting plate)</td>
</tr>
<tr>
<td>MME-00121</td>
<td>R40 / RP40 BLE Reader Metallic Insert with Adhesive (order in conjunction with spacer or mounting plate)</td>
</tr>
<tr>
<td>MME-00122</td>
<td>RK40 / RPK40 BLE Reader Metallic Insert with Adhesive (order in conjunction with spacer or mounting plate)</td>
</tr>
</tbody>
</table>
### IP65 Upgrade Kit

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP65 Gasket Kit, (10) pcs per kit. For use with model R10</td>
<td>IP65GSKT-R10</td>
</tr>
<tr>
<td>IP65 Gasket Kit, (10) pcs per kit. For use with model R15</td>
<td>IP65GSKT-R15</td>
</tr>
<tr>
<td>IP65 Gasket Kit, (10) pcs per kit. For use with model R40</td>
<td>IP65GSKT-R40</td>
</tr>
<tr>
<td>IP65 Gasket Kit, (10) pcs per kit. For use with model RK40</td>
<td>IP65GSKT-RK40</td>
</tr>
</tbody>
</table>

### UHF Credential Card Holder

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windshield Mount, suction cup, adhesive for ID 1 style credential, Blue (Qty 10)</td>
<td>WSHLDMT-BLU</td>
</tr>
<tr>
<td>Windshield Mount, suction cup, adhesive for ID 1 style credential, Clear (Qty 10)</td>
<td>WSHLDMT-CLR</td>
</tr>
<tr>
<td>Windshield Mount, suction cup, adhesive for ID 1 style credential, White (Qty 10)</td>
<td>WSHLDMT-WHT</td>
</tr>
<tr>
<td>Windshield Mount, suction cup, adhesive for ID 1 style credential, Blue (Qty 250)</td>
<td>WSHLDMT-BLU-BULK</td>
</tr>
<tr>
<td>Windshield Mount, suction cup, adhesive for ID 1 style credential, Clear (Qty 250)</td>
<td>WSHLDMT-CLR-BULK</td>
</tr>
<tr>
<td>Windshield Mount, suction cup, adhesive for ID 1 style credential, White (Qty 250)</td>
<td>WSHLDMT-WHT-BULK</td>
</tr>
<tr>
<td>Suction Cups for WSHLDMT - Kit contains (200) cups</td>
<td>WSHLDMT-CUPS</td>
</tr>
<tr>
<td>Double sided tape for WSHLDMT - Kit contains (200) pieces</td>
<td>WSHLDMT-TAPE</td>
</tr>
</tbody>
</table>

### iCLASS SE and multiCLASS SE Bluetooth and OSDP Upgrade Kit

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reader Module and Metallic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model R10 or RP10</td>
<td>BLEOSDP-UPG-A-900</td>
</tr>
<tr>
<td>Reader Module and Metallic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model R15 or RP15</td>
<td>BLEOSDP-UPG-A-910</td>
</tr>
<tr>
<td>Reader Module and Metallic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model R40 or RP40</td>
<td>BLEOSDP-UPG-A-920</td>
</tr>
<tr>
<td>Reader Module and Metallic Backplate Sticker to upgrade 1 Reader. For use with iCLASS SE Reader model RK40 or RPK40</td>
<td>BLEOSDP-UPG-A-921</td>
</tr>
</tbody>
</table>
# EDGE Reader - Edge EVO Solo

<table>
<thead>
<tr>
<th>Edge EVO® Solo Model and Description</th>
<th>Image</th>
<th>Base Part</th>
<th>Rev</th>
<th>Color</th>
<th>Hardware Configuration</th>
<th>Additional Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ESH400-K Standard Controller</strong></td>
<td><img src="image" alt="Image" /></td>
<td>83000</td>
<td>C</td>
<td>K = Black</td>
<td>E = Externally-mounted reader.</td>
<td></td>
</tr>
<tr>
<td>Single door, IP-based controller for single-door solo-based system. Single physical package. Door inputs/outputs are 4 external inputs, 2 outputs; onboard optical tamper (standard mount). One Wiegand / Clock-and-Data reader interface. For use indoor or outside in weatherproof enclosure. US single-gang, US double-gang or EU/APAC 60 mm mount.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **Eshr40-k Standard Controller / Reader and Module** | ![Image](image) | 83120 | C    | K = Black | I = Integrated controller / reader, with segregated module (separate physically installed device) containing discrete IO. |
| Single door, IP-based controller with integrated R40 iCLASS reader for single-door solo-based system. Two physical packages; IP-based reader for mount at access point and “Door Module” with interface to 4 external inputs, 2 outputs; optical tamper. Second reader possible an additional IO interface module (EWM-M or EDWM-M). For indoor use. Door Module mounted in secure location. US Single-gang or EU/APAC 60 mm mount. |

| **Eshr40-l Single-Output Controller / Reader and Module** | ![Image](image) | 83120 | C    | K=Black | L = Integrated controller / reader, with segregated module (separate physically installed device) containing single discrete lock output. |
| Single door, IP-based controller with integrated R40 iCLASS reader for single-door solo-based system. Two physical packages; IP-based reader for mount at access point and “Lock Module” with interface single (1) lock output. For indoor use. Door Module mounted behind reader in US Single-gang box, in hollow door frame or other secure location. Reader is US Single-gang or EU/APAC 60 mm mount. |

| **ESHRP40-K Standard Controller / Reader and Module** | ![Image](image) | 83125 | C    | K = Black | I = Integrated controller / reader, with segregated module (separate physically installed device) containing discrete IO and Wiegand reader interface for second reader. |
| Single door, IP-based controller with integrated RP40 multiCLASS reader for single-door solo-based system. Two physical packages; IP-based reader for mount at access point and “Door /Wiegand Module” with interface to 4 external inputs, 2 outputs and one Wiegand / Clock-and-Data reader interface; Second reader possible using Wiegand reader. Optical tamper (standard mount). For indoor use. Door / Wiegand Module mounted in secure location. US Single-gang or EU/APAC 60mm mount. |

| **EWM-M Wiegand Module** | ![Image](image) | 83360 | A    | K = Black | M = Mountable on US single-gang, EU / APAC 60mm electrical box. |
| The “Wiegand Module” enables controller interface to one (1) Wiegand / Clock-and-Data reader interface. For use indoor or outside in weatherproof enclosure. |

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

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

## ProxPoint Plus Proximity Reader - 6005 / 6008

<table>
<thead>
<tr>
<th>Card Reader Description</th>
<th>Base Part No.</th>
<th>Current Rev. No.*</th>
<th>Color Options</th>
<th>Hardware Options</th>
<th>Configuration Setting Options¹</th>
<th>Custom²</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProxPoint™ Plus Proximity Reader with Wiegand output</td>
<td>6005</td>
<td>B</td>
<td>G = Classic Charcoal Gray</td>
<td>B = Pigtail (18 inches/45.7 cm)</td>
<td>00 04</td>
<td>XXXX Y</td>
</tr>
<tr>
<td></td>
<td>6008</td>
<td>B</td>
<td>B = Classic Beige</td>
<td></td>
<td>01 05</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>W = Classic White</td>
<td></td>
<td>02 06</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>K = Classic Black</td>
<td></td>
<td>03 07</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 = Designer Black</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 = Designer Charcoal Gray</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4 = Designer Wave Blue</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5 = Designer White</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Notes:**

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

- **00**: Beep on, LED normally red, reader flashes green on tag read
- **01**: Beep off, LED normally red, reader flashes green on tag read
- **02**: Beep off, 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 off, LED normally off, host must flash red and/or green
- **07**: Beep off, LED normally off, host must flash red and/or green

²Consult Factory

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

To order, specify the following:
### MiniProx Proximity Reader - 5365 / 5368

<table>
<thead>
<tr>
<th>Card Reader Description</th>
<th>Base Part No.</th>
<th>Current Rev. No.*</th>
<th>Color Options</th>
<th>Hardware Options</th>
<th>Configuration Setting Options¹</th>
<th>Custom²</th>
</tr>
</thead>
<tbody>
<tr>
<td>MiniProx® Plus Proximity Reader</td>
<td>5365</td>
<td>E</td>
<td>G = Classic Charcoal Gray</td>
<td>P = Pigtail (18 inches/45.7 cm)</td>
<td>00 04</td>
<td>XXXX Y</td>
</tr>
<tr>
<td>with Wiegand output</td>
<td>5368</td>
<td>E</td>
<td>B = Classic Beige</td>
<td>T = Terminal Strip</td>
<td>01 05</td>
<td></td>
</tr>
<tr>
<td>with Clock and Data output</td>
<td></td>
<td></td>
<td>W = Classic White</td>
<td>H = Hazardous back box³</td>
<td>02 06</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>K = Classic Black</td>
<td></td>
<td>03 07</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 = Designer Black</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 = Designer Charcoal Gray</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4 = Designer Wave Blue</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5 = Designer White</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹Revision numbers and availability are subject to change without notice.

²Consult Factory

³The hazardous back box option MiniProx is available in gray Terminal Strip only.

### Notes:

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

- 00 = Beep on, LED normally red, reader flashes green on tag read
- 01 = Beep off, LED normally red, reader flashes green on tag read
- 02 = Beep on, LED normally off, reader flashes green on tag read
- 03 = Beep off, LED normally off, reader flashes green on tag read
- 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

²Consult Factory

To order, specify the following:
## ProxPro Family Proximity Reader - 5455 / 5458 / 5355 / 5352 / 5358

<table>
<thead>
<tr>
<th>ProxPro Family Card Reader Description</th>
<th>Base Part No.</th>
<th>Current Rev. No.*</th>
<th>Color Options</th>
<th>Hardware Options</th>
<th>Configuration Setting Options¹</th>
<th>Custom²</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProxPro® II Proximity Reader with Wiegand output with Clock &amp; Data Output</td>
<td>5455</td>
<td>B</td>
<td>G = Charcoal Gray</td>
<td>N = No Keypad, Pigtail (18 inches/45.7 cm)</td>
<td>00 04</td>
<td>XXXX Y</td>
</tr>
<tr>
<td></td>
<td>5458</td>
<td></td>
<td>B = Beige</td>
<td></td>
<td>01 05</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>W = White</td>
<td></td>
<td>02 06</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>K = Black</td>
<td></td>
<td>03 07</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>B = Beige</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>W = White</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>K = Black</td>
<td></td>
</tr>
<tr>
<td>ProxPro Proximity Reader⁵,⁶ with Wiegand output with Clock &amp; Data Output</td>
<td>5355</td>
<td>A</td>
<td>G = Charcoal Gray</td>
<td>N = No Keypad, Terminal Strip</td>
<td>00 09</td>
<td>XXXX Y</td>
</tr>
<tr>
<td></td>
<td>5358</td>
<td></td>
<td>B = Beige</td>
<td>K = Keypad³, Terminal Strip</td>
<td>09 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>S = Keypad⁴, Terminal Strip</td>
<td>10 11</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14 19</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>20 21</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>ProxPro Proximity Reader with Serial output⁷</td>
<td>5352</td>
<td></td>
<td>G = Charcoal Gray</td>
<td>N = No Keypad, Terminal Strip</td>
<td>00 09</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>B = Beige</td>
<td>K = Keypad³, Terminal Strip</td>
<td>09 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>S = Keypad⁴, Terminal Strip</td>
<td>10 11</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14 19</td>
<td></td>
</tr>
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<td></td>
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<td>20 21</td>
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<td></td>
<td></td>
<td></td>
<td>23</td>
<td></td>
</tr>
</tbody>
</table>

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

¹ProxPro II 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

²Consult Factory

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

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

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

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

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

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

To order, specify the following:

<table>
<thead>
<tr>
<th>Card Reader Description</th>
<th>Base Part No.</th>
<th>Current Rev. No.*</th>
<th>Color Options</th>
<th>Hardware Options</th>
<th>Configuration Setting Options¹</th>
<th>Custom</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>B = Beige</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>W = White</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>K = Black</td>
<td></td>
</tr>
</tbody>
</table>

---

**Notes:**
- October 2020
- PLT-02630, Rev. C.6
# ThinLine II Proximity Reader - 5395 / 5398

<table>
<thead>
<tr>
<th>Card Reader Description</th>
<th>Base Part No.</th>
<th>Current Rev. No.*</th>
<th>Color Options</th>
<th>Hardware Options</th>
<th>Configuration Setting Options¹</th>
<th>Custom²</th>
</tr>
</thead>
</table>
| ThinLine II Proximity Reader with Wiegand output with Clock and Data output | 5395 5398 | C | G = Classic Charcoal Gray  
B = Classic Beige  
W = Classic White  
K = Classic Black  
1 = Designer Black  
2 = Designer Charcoal Gray  
4 = Designer Wave Blue  
5 = Designer White | 1 = Pigtail (18 inches/45.7 cm) | ⁰⁰ ⁰⁴ ⁰¹ ⁰⁵ ⁰² ⁰⁶ ⁰³ ⁰⁷ | XXXX Y |

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

**Notes:**

¹Configuration Setting Options are as follows (factory programmed):
- ⁰⁰ = Beep on, LED normally red, reader flashes green on tag read
- ⁰¹ = Beep off, LED normally red, reader flashes green on tag read
- ⁰² = Beep on, LED normally off, reader flashes green on tag read
- ⁰³ = Beep off, LED normally off, reader flashes green on tag read

²Consult Factory

To order, specify the following:

<table>
<thead>
<tr>
<th>Card Reader Description</th>
<th>Base Part No.</th>
<th>Current Rev. No.*</th>
<th>Color Options</th>
<th>Hardware Options</th>
<th>Configuration Setting Options¹</th>
<th>Custom²</th>
</tr>
</thead>
</table>
MaxiProx Proximity Reader - 5375

<table>
<thead>
<tr>
<th>Card Reader Description</th>
<th>Base Part No.</th>
<th>Current Rev. No.*</th>
<th>Color Options</th>
<th>Hardware Options</th>
<th>Configuration Setting Options¹</th>
<th>Custom²</th>
</tr>
</thead>
<tbody>
<tr>
<td>MaxiProx® Proximity Reader</td>
<td>5375</td>
<td>A</td>
<td>G = Charcoal Gray</td>
<td>N = None</td>
<td>00</td>
<td>XXXX Y</td>
</tr>
</tbody>
</table>

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

Notes:
¹Configuration Setting 00 = LED normally red, reader flashes green on tag reads.
²Consult Factory

To order, specify the following:
## EntryProx Proximity Reader - 4045

<table>
<thead>
<tr>
<th>Card Reader Description</th>
<th>Base Part No.</th>
<th>Current Rev. No.*</th>
<th>Color Options</th>
<th>Hardware Options</th>
<th>Configuration Setting Options¹</th>
<th>Custom²</th>
</tr>
</thead>
<tbody>
<tr>
<td>EntryProx™ Proximity Reader Stand-Alone Access Control Unit</td>
<td>4045</td>
<td>C</td>
<td>G = Charcoal Gray</td>
<td>N = None</td>
<td>U0</td>
<td>XXXX Y</td>
</tr>
</tbody>
</table>

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

**Notes:**
¹Configuration Setting U0 = LED normally red, reader flashes green on tag reads.
²Consult Factory

To order, specify the following:
## HID Proximity Reader Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ProxPro Family</strong></td>
<td></td>
</tr>
<tr>
<td>5455AGM00</td>
<td>Glass Mount Kit, ProxPro and ProxPro II Readers</td>
</tr>
<tr>
<td>5350-113-01</td>
<td>Bezel, ProxPro Reader with Keypad (Rev. A) - Charcoal Gray</td>
</tr>
<tr>
<td>5350-113-02</td>
<td>Bezel, ProxPro Reader (Rev. A) - Charcoal Gray</td>
</tr>
<tr>
<td>5350-113-03</td>
<td>Bezel, ProxPro Reader with Keypad (Rev. A) - Beige</td>
</tr>
<tr>
<td>5350-113-04</td>
<td>Bezel, ProxPro Reader (Rev. A) - Beige</td>
</tr>
<tr>
<td>5355A-302-01</td>
<td>Cover, ProxPro w/Keypad Reader (Rev. A) - Charcoal Gray</td>
</tr>
<tr>
<td>5355A-302-02</td>
<td>Cover, ProxPro Reader (Rev. A) - Charcoal Gray</td>
</tr>
<tr>
<td>5355A-302-03</td>
<td>Cover, ProxPro w/Keypad Reader (Rev. A) - Beige</td>
</tr>
<tr>
<td>5355A-302-04</td>
<td>Cover, ProxPro Reader (Rev. A) - Beige</td>
</tr>
<tr>
<td>5350-101-01</td>
<td>Base, ProxPro Reader (Rev. A) - Charcoal Gray</td>
</tr>
<tr>
<td>5350-101-02</td>
<td>Base, ProxPro Reader (Rev. A) - Beige</td>
</tr>
<tr>
<td>5355A-306-01</td>
<td>ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Gray Cover only</td>
</tr>
<tr>
<td>5355A-306-02</td>
<td>ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Beige Cover only</td>
</tr>
<tr>
<td>5355A-306-03</td>
<td>ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Gray Cover only</td>
</tr>
<tr>
<td>5355A-306-04</td>
<td>ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Beige Cover only</td>
</tr>
<tr>
<td>5355A-306-05</td>
<td>ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Gray Cover and Bezel</td>
</tr>
<tr>
<td>5355A-306-06</td>
<td>ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Beige Cover and Bezel</td>
</tr>
<tr>
<td>5355A-306-07</td>
<td>ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Gray Cover and Bezel</td>
</tr>
<tr>
<td>5355A-306-08</td>
<td>ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Beige Cover and Bezel</td>
</tr>
<tr>
<td>5455-311-01</td>
<td>Cover, ProxPro II Reader (Rev. B) - Charcoal Gray (No Bezel Required)</td>
</tr>
<tr>
<td>5455-311-02</td>
<td>Cover, ProxPro II Reader (Rev. B) - Beige (No Bezel Required)</td>
</tr>
<tr>
<td>5455-311-03</td>
<td>Cover, ProxPro II Reader (Rev. B) - Black (No Bezel Required)</td>
</tr>
<tr>
<td>5455-311-04</td>
<td>Cover, ProxPro II Reader (Rev. B) - White (No Bezel Required)</td>
</tr>
<tr>
<td>5365-2003-01</td>
<td>Rubber Keypad Cover, ProxPro Reader (Rev. A)</td>
</tr>
<tr>
<td>137-0005-11</td>
<td>Connector Feed Back Nut and Washer, ProxPro Reader (Rev. A)</td>
</tr>
<tr>
<td><strong>MiniProx</strong></td>
<td></td>
</tr>
<tr>
<td>5365-371-01</td>
<td>Classic cover, MiniProx Reader (Rev. E) - Charcoal Gray</td>
</tr>
<tr>
<td>5365-371-02</td>
<td>Classic cover, MiniProx Reader (Rev. E) - Beige</td>
</tr>
<tr>
<td>5365-371-03</td>
<td>Classic cover, MiniProx Reader (Rev. E) - Black</td>
</tr>
<tr>
<td>5365-371-04</td>
<td>Classic cover, MiniProx Reader (Rev. E) - White</td>
</tr>
<tr>
<td><strong>New Look</strong></td>
<td></td>
</tr>
<tr>
<td>5365-372-01</td>
<td>Designer cover, MiniProx Reader (Rev. E) - Black</td>
</tr>
<tr>
<td>5365-372-02</td>
<td>Designer cover, MiniProx Reader (Rev. E) - Charcoal Gray</td>
</tr>
<tr>
<td>5365-372-04</td>
<td>Designer cover, MiniProx Reader (Rev. E) - Wave Blue</td>
</tr>
<tr>
<td>5365-372-05</td>
<td>Designer cover, MiniProx Reader (Rev. E) - White</td>
</tr>
<tr>
<td><strong>ThinLine II</strong></td>
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</tr>
<tr>
<td>5395-104-01</td>
<td>Classic cover, ThinLine II Reader (Rev. C) - White</td>
</tr>
<tr>
<td>5395-104-02</td>
<td>Classic cover, ThinLine II Reader (Rev. C) - Beige</td>
</tr>
<tr>
<td>5395-104-03</td>
<td>Classic cover, ThinLine II Reader (Rev. C) - Black</td>
</tr>
<tr>
<td>Part Number</td>
<td>Description</td>
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<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>5395-104-04</td>
<td>Classic cover, ThinLine II Reader (Rev. C) - Charcoal Gray</td>
</tr>
<tr>
<td>5395-371-01</td>
<td>Designer cover, ThinLine II Reader (Rev. C) - Black</td>
</tr>
<tr>
<td>5395-371-02</td>
<td>Designer cover, ThinLine II Reader (Rev. C) - Charcoal Gray</td>
</tr>
<tr>
<td>5395-371-04</td>
<td>Designer cover, ThinLine II Reader (Rev. C) - Wave Blue</td>
</tr>
<tr>
<td>5395-371-05</td>
<td>Designer cover, ThinLine II Reader (Rev. C) - White</td>
</tr>
<tr>
<td>5370A-305-01</td>
<td>Cover, MaxiProx Reader (Rev. A) - Gray</td>
</tr>
<tr>
<td>5375-303-01</td>
<td>Accessory Kit, MaxiProx Reader (Old wiring Diagram) (Rev. A)</td>
</tr>
<tr>
<td>5375-313-01</td>
<td>Accessory Kit, MaxiProx Reader (New wiring Diagram) (Rev. A)</td>
</tr>
<tr>
<td>56-0002-01</td>
<td>MaxiProx Reader Rubber Gasket (Rev. A)</td>
</tr>
<tr>
<td>6005-111-01</td>
<td>Classic cover, ProxPoint Plus Reader (Rev. B) - White</td>
</tr>
<tr>
<td>6005-111-02</td>
<td>Classic cover, ProxPoint Plus Reader (Rev. B) - Beige</td>
</tr>
<tr>
<td>6005-111-03</td>
<td>Classic cover, ProxPoint Plus Reader (Rev. B) - Black</td>
</tr>
<tr>
<td>6005-111-04</td>
<td>Classic cover, ProxPoint Plus Reader (Rev. B) - Charcoal Gray</td>
</tr>
<tr>
<td>6005-312-01</td>
<td>Designer cover, ProxPoint Plus Reader (Rev. B) - Black</td>
</tr>
<tr>
<td>6005-312-02</td>
<td>Designer cover, ProxPoint Plus Reader (Rev. B) - Charcoal Gray</td>
</tr>
<tr>
<td>6005-312-04</td>
<td>Designer cover, ProxPoint Plus Reader (Rev. B) - Wave Blue</td>
</tr>
<tr>
<td>6005-312-05</td>
<td>Designer cover, ProxPoint Plus Reader (Rev. B) - White</td>
</tr>
<tr>
<td>4045-390-03</td>
<td>EntryProx Spare Parts Accessories Kit</td>
</tr>
<tr>
<td>4045-303-01</td>
<td>EntryProx Reader Replacement Antenna</td>
</tr>
<tr>
<td>6020-302-01</td>
<td>Accessory Kit, HSM</td>
</tr>
<tr>
<td>33-0001-01</td>
<td>RELAY, 1.00A-24VDC , SPDT-1 FO</td>
</tr>
<tr>
<td>57-0001-02</td>
<td>Key Ring for ProxKey® (Keyfob)</td>
</tr>
</tbody>
</table>

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

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

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

Overview

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

All reader orders must have the following information:

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

Advantage Series Reader - ASR 620

<table>
<thead>
<tr>
<th>Reader Model</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASR-620++</td>
<td>Long Range Reader</td>
<td></td>
</tr>
<tr>
<td>ASR-620++/L</td>
<td>Long Range Reader</td>
<td>w/10 foot (3 meter) cable</td>
</tr>
</tbody>
</table>
# FlexPass Reader - FP Arch / Keypad

<table>
<thead>
<tr>
<th>BASE NUMBER</th>
<th>STYLE</th>
<th>READ RANGE</th>
<th>TYPE</th>
<th>COLOR</th>
<th>OUTPUT FORMAT</th>
<th>CABLE LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FP</strong></td>
<td><strong>3</strong></td>
<td><strong>5</strong></td>
<td><strong>1</strong></td>
<td><strong>1</strong></td>
<td><strong>A</strong></td>
<td><strong>/L</strong></td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>21211-001</td>
<td>Enclosure Base, ASR-620</td>
</tr>
<tr>
<td>21212-001</td>
<td>Enclosure Cover, ASR-620++</td>
</tr>
<tr>
<td>FPZ1231A</td>
<td>Bezel Wave Style, Midrange Type, Black</td>
</tr>
<tr>
<td>FPZ1234A</td>
<td>Bezel Wave Style, Midrange Type, Blue</td>
</tr>
<tr>
<td>FPZ1511A</td>
<td>Bezel Wave Style, Slim Type, Black</td>
</tr>
<tr>
<td>FPZ1514A</td>
<td>Bezel Wave Style, Slim Type, Blue</td>
</tr>
<tr>
<td>FPZ1521A</td>
<td>Bezel Wave Style, Wallswitch Type, Black</td>
</tr>
<tr>
<td>FPZ1524A</td>
<td>Bezel Wave Style, Wallswitch Type, Blue</td>
</tr>
<tr>
<td>FPZ2511A</td>
<td>Bezel Curve Style, Slim Type, Black</td>
</tr>
<tr>
<td>FPZ2521A</td>
<td>Bezel Curve Style, Wallswitch Type, Black</td>
</tr>
<tr>
<td>FPZ3231A</td>
<td>Bezel Arch Style, Midrange Type, Black</td>
</tr>
<tr>
<td>FPZ3235A</td>
<td>Bezel Arch Style, Midrange Type, Grey</td>
</tr>
<tr>
<td>FPZ3236A</td>
<td>Bezel Arch Style, Midrange Type, White</td>
</tr>
<tr>
<td>FPZ3237A</td>
<td>Bezel Arch Style, Midrange Type, Beige</td>
</tr>
<tr>
<td>FPZ3511A</td>
<td>Bezel Arch Style, Slim Type, Black</td>
</tr>
<tr>
<td>FPZ3514A</td>
<td>Bezel Arch Style, Slim Type, Blue</td>
</tr>
<tr>
<td>FPZ3515A</td>
<td>Bezel Arch Style, Slim Type, Grey</td>
</tr>
<tr>
<td>FPZ3516A</td>
<td>Bezel Arch Style, Slim Type, White</td>
</tr>
<tr>
<td>FPZ3517A</td>
<td>Bezel Arch Style, Slim Type, Beige</td>
</tr>
<tr>
<td>FPZ3521A</td>
<td>Bezel Arch Style, Wallswitch Type, Black</td>
</tr>
<tr>
<td>FPZ3522A</td>
<td>Bezel Arch Style, Wallswitch Type, Grey</td>
</tr>
<tr>
<td>FPZ3524A</td>
<td>Bezel Arch Style, Wallswitch Type, Blue</td>
</tr>
<tr>
<td>FPZ3525A</td>
<td>Bezel Arch Style, Wallswitch Type, Black (HID)</td>
</tr>
<tr>
<td>FPZ3526A</td>
<td>Bezel Arch Style, Wallswitch Type, Grey</td>
</tr>
<tr>
<td>FPZ3527A</td>
<td>Bezel Arch Style, Wallswitch Type, Beige</td>
</tr>
<tr>
<td>FPZ3527H</td>
<td>Bezel Arch Style, Wallswitch Type, Beige (HID)</td>
</tr>
<tr>
<td>FPZ4511A</td>
<td>Bezel Linear Style, Slim Type, Black</td>
</tr>
<tr>
<td>FPZ-4511A</td>
<td>Bezel Linear Slim Black Cover</td>
</tr>
<tr>
<td>FPZ4517A</td>
<td>Bezel Linear Style, Slim Type, Beige</td>
</tr>
<tr>
<td>FPZ4521A</td>
<td>Bezel Linear Style, Wallswitch Type, Black</td>
</tr>
<tr>
<td>FPZ4522A</td>
<td>Bezel Linear Style, Wallswitch Type, Grey</td>
</tr>
<tr>
<td>FPZ4526A</td>
<td>Bezel Linear Style, Wallswitch Type, White</td>
</tr>
<tr>
<td>FPZ4527A</td>
<td>Bezel Linear Style, Wallswitch Type, Beige</td>
</tr>
<tr>
<td>FPZ4551A</td>
<td>Bezel Linear Style, Slim Type, Black</td>
</tr>
<tr>
<td>FPZC1511H</td>
<td>Bezel, HID, Wave, Slim, 5, Black</td>
</tr>
<tr>
<td>FPZC1514H</td>
<td>Bezel, HID, Wave, Slim, 5, Blue</td>
</tr>
<tr>
<td>FPZC1524H</td>
<td>Bezel, HID, Wave, Wallswitch, 5, Blue</td>
</tr>
<tr>
<td>XXZ112</td>
<td>Bezel, Wave, Slim, 5, Blue</td>
</tr>
<tr>
<td>XXZ122</td>
<td>Bezel, Wave, W/S, 5, Blue</td>
</tr>
<tr>
<td>XXZ321</td>
<td>Bezel, Arch, W/S, Black</td>
</tr>
<tr>
<td>SH-003</td>
<td>Indala Credentials Special Handling, New marking label codes</td>
</tr>
</tbody>
</table>
2. HID Mobile Access

What Is HID Mobile Access?

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

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

Creating HID Mobile Access User Account

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

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mobile Keyset</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Organization ID</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>
# Ordering Information – Readers for HID Mobile Access

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

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Details</th>
<th>Part Number</th>
<th>Supplemental Information Needed for Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Licenses – Initial</td>
<td>When starting a subscription for HID Origo Mobile Identities, an order for User Licenses must be placed. The service start date begins on the date the order is processed by HID. User Licenses will be valid for one year and the service term end date will be set to the last day of month. Unlimited Mobile IDs will be automatically supplied to, and replenished in, the HID Origo Mobile Identities service as long as the subscription is active and in good standing.</td>
<td>MID-SUB-T100</td>
<td>Org ID:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Org Name:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MOB or ICE:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Format*:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Subscription Start Date: (Optional)</td>
</tr>
<tr>
<td>User Licenses – Renewal</td>
<td>When renewing a subscription for HID Origo Mobile Identities service, an order for User Licenses must be placed.</td>
<td>MID-SUB-T100</td>
<td>Org ID:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Org Name:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Contract ID: -RENEWAL</td>
</tr>
<tr>
<td>User Licenses – Add-on</td>
<td>To increase the number of User Licenses within a service term, an order for Add-on licenses must be placed. These user licenses will have a prorated price based on time remaining in term. They will coterminate and expire along with previously purchased licenses on the contract.</td>
<td>MID-SUB-T100-ADD</td>
<td>Org ID:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Org Name:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Contract ID:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Subscription Start Date: (Optional)</td>
</tr>
<tr>
<td>Additional Credential Types</td>
<td>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.</td>
<td>MID-SUB-CRD</td>
<td>Org ID:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Org Name:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MOB or ICE:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Format*:</td>
</tr>
</tbody>
</table>

*Some formats will require additional information with the order.
3. Credentials

Understanding HID Credentials

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

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

HID Global Product Configurator: [https://www.hidglobal.com/configure](https://www.hidglobal.com/configure)

What should I know about security keysets?
HID Signo™, iCLASS SE® readers and iCLASS® Seos® / iCLASS SE credentials offer two keyset security schemes, HID Elite and Standard.

The **HID Elite Security Program** supports a unique keyset on a per site/company basis.

The keyset governs a variety of keys, including:

- Media (credential) keys for iCLASS SE, SIO®-encoded iCLASS, MIFARE Classic (SIO) and MIFARE DESFire EV1 (SIO) credentials.
- SIO authenticity and privacy keys (media independent).
- Admin/configuration programming keys (for programming reader configuration, also media independent).

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

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

<table>
<thead>
<tr>
<th>Standard Security Keyset</th>
<th>Compatibility with these Credentials</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Version 1</strong></td>
<td>iCLASS Seos (+ Prox)</td>
</tr>
<tr>
<td></td>
<td>iCLASS SE (+ Prox)</td>
</tr>
<tr>
<td></td>
<td>iCLASS SIO encoded (+ Prox)</td>
</tr>
<tr>
<td></td>
<td>iCLASS (+ Prox)</td>
</tr>
<tr>
<td></td>
<td>MIFARE Classic (+ Prox)</td>
</tr>
<tr>
<td></td>
<td>MIFARE DESFire EV1 (+ Prox)</td>
</tr>
<tr>
<td><strong>Version 2</strong></td>
<td>iCLASS Seos (+ Prox)</td>
</tr>
<tr>
<td></td>
<td>iCLASS SE (+ Prox)</td>
</tr>
<tr>
<td></td>
<td>MIFARE Classic (+ Prox)</td>
</tr>
<tr>
<td></td>
<td>MIFARE DESFire EV1 (+ Prox)</td>
</tr>
</tbody>
</table>

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.
- 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 iCLASS Seos + iCLASS cards along with HID Signo Readers - Smart Profile credential support (supporting iCLASS cards), as this provides full interoperability with HID's latest credential and reader platform, as well as supporting installed iCLASS base.
  2. This provides options to upgrade security in the future without rip-and-replace of the newly purchased readers.
  3. Once all readers on site are HID Signo the customer can begin ordering iCLASS Seos only cards.
  4. Once all cards in the population are iCLASS Seos, readers can be configured to support only iCLASS Seos cards.

- **125 kHz Existing Sites:** Deploying credentials to an existing 125 kHz site with HID Prox/Indala Proximity credentials and readers (HID, Indala, AWID, and EM4102), purchase multi-technology iCLASS Seos or iCLASS SE Credentials, along with HID Signo - Standard Profile Readers for full credential and reader interoperability, and a relaxed migration timeline.

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

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

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

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

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

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

*Reader support depends on reader model and configuration selected.
Credentials Marking
For information on Card Identification Markings, please see the "Card Identification Markings Application note", available for download at https://www.hidglobal.com/node/23025

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

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

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

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

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

Current Laser Marking Status by Region:
- The Americas: Laser marking transition complete
- EMEA: Transition in progress
- APAC Region: Transition in progress

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

Format Structure
Each format differs in structure by:
- Bit length (e.g. 26 bits, 37 bits)
- Number of fields (for example, H10301 26-bit has two fields; ID range and facility code)
- Field names (for example, facility code, site code, ID range etc.)
- Field length (for example H10301 26-bit has a 16-bit ID range and 8-bit facility code)
- Parity

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

![Image of a card with sales order number]

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

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

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


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

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Description</th>
<th>Additional Fields</th>
<th>Number Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>H10301</td>
<td>Open 26-bit with Facility Code and ID Number</td>
<td>Facility Code (0-255)</td>
<td>0-65535 (untracked)</td>
</tr>
<tr>
<td>H10302</td>
<td>Tracked 37-bit ID Number</td>
<td>N/A</td>
<td>0-34359738368 (tracked)</td>
</tr>
<tr>
<td>H10304</td>
<td>Tracked 37-bit with Facility Code and ID Number</td>
<td>Managed Facility Code (0-65535)</td>
<td>0-34359738368 (tracked)</td>
</tr>
<tr>
<td>H10320</td>
<td>Open ABA 8 digit ID Number</td>
<td>N/A</td>
<td>0-999999999 (untracked)</td>
</tr>
<tr>
<td>Starts with “H5”</td>
<td>35-bit Corporate 1000</td>
<td>Fixed Company ID Code</td>
<td>0-1048575 (tracked)</td>
</tr>
<tr>
<td>Starts with “H2”</td>
<td>48-bit Corporate 1000</td>
<td>Fixed Company ID Code</td>
<td>0-8388607 (tracked)</td>
</tr>
</tbody>
</table>

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.
**Format Compatibility**

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

**Indala Formats – Label Code**

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

<table>
<thead>
<tr>
<th>Format Type</th>
<th>Example Format Numbers</th>
<th>Compatible Credential Product Lines – includes multi-technology credentials containing the listed technology</th>
<th>Reader Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID</td>
<td>H10301, H10302, H10304, 35-bit Corporate 1000 &amp; OEM formats</td>
<td>HID Prox, iCLASS, iCLASS SE, iCLASS Seos, MIFARE Classic with SIO encoding, MIFARE DESFire with SIO encoding, Mobile Access IDs</td>
<td>HID Prox/HID Signo/MultiCLASS SE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H Signo/iCLASS SE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H Signo/iCLASS SE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H Signo/iCLASS SE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mobile Enabled iCLASS SE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Indala</td>
</tr>
<tr>
<td></td>
<td>40134, 4038X</td>
<td></td>
<td>Indala</td>
</tr>
<tr>
<td></td>
<td>C10106</td>
<td></td>
<td>Legacy Indala Casi CX (discontinued) / third party Casi compatible</td>
</tr>
<tr>
<td></td>
<td>EM4102</td>
<td>Contact your local HID Global pre-sales or sales engineering representative to discuss requirements</td>
<td>HID Signo/multiCLASS SE / third party</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Contact your local HID Global pre-sales or sales engineering representative to discuss requirements</td>
<td>-</td>
</tr>
</tbody>
</table>

**Long Formats (HID Prox)**

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

<table>
<thead>
<tr>
<th>HID Prox Format Type</th>
<th>Example Format Numbers</th>
<th>Compatible HID Prox Product Lines</th>
<th>Incompatible Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Formats (&gt;37-bits)</td>
<td>H2xxxxx 48-bit, Corporate 1000, all other formats &gt;37 bits</td>
<td>6005/6008/5365/5368/5355/5358/5395/5375 (manufactured after 2001)</td>
<td>eProx Lock, Serial ProxPro®, EntryProx™, ProxPass™ II</td>
</tr>
</tbody>
</table>
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** Required for all programmed part numbers
- **Format field names** Required for formats with additional fields
- **HID Elite ICE number** If required to support a matching HID Elite ICE reader

Mandatory Marking Information
- **Printed number range** Required for all external matching or non-matching options

Examples

Part Number: 5006PGGAN (programmed iCLASS Seos, matching external marking)
Quantity: 500
Format: H10301
Facility Code: 125
ID number range: 25,001 to 25,500

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>Quantity</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>H10301</td>
<td>Facility Code</td>
<td>125</td>
<td>500</td>
<td>25,001</td>
<td>25,500</td>
</tr>
<tr>
<td>HID Elite ICE number</td>
<td></td>
<td></td>
<td></td>
<td>Printed Start Number</td>
<td>Printed Stop Number</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25,001</td>
<td>25,500</td>
</tr>
</tbody>
</table>

Part Number: 5006PGGNN (programmed iCLASS Seos, no external marking)
Quantity: 1,000
Format: O999123 (Custom OEM format with site code and installer code)
Elite Key: ICE999
Site Code: 156
Installer Code: 21
Number range: 1,001 to 2,000

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>Quantity</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
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</thead>
<tbody>
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<td>Site Code</td>
<td>156</td>
<td>1,000</td>
<td>1,001</td>
<td>2,000</td>
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<tr>
<td>HID Elite ICE number</td>
<td></td>
<td></td>
<td></td>
<td>Printed Start Number</td>
<td>Printed Stop Number</td>
</tr>
<tr>
<td>ICE999</td>
<td>Installer Code</td>
<td>21</td>
<td></td>
<td>1,001</td>
<td>2,000</td>
</tr>
</tbody>
</table>

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

**Note:** Understanding HID Credentials on page 48 for guidance.

**iCLASS Seos Card - 500**

Increased security and interoperability cards for installation supporting HID Signo and iCLASS SE reader platform.

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

---

**Base Model**

- **500 Composite 40% Polyester / PVC**

---

**iCLASS Seos Memory Size and Allocation (Select one option)**

- □ 5 - 16K Bytes
- □ 6 - 8K Bytes

**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)**

- □ G - Plain White with Gloss Finish
- □ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number

**Back Packaging (Select one option)**

- □ G - Plain White with Gloss Finish
- □ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number
- □ 1 - Plain White with Gloss Finish with Magnetic Stripe
- □ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number

**Card Numbering**

- □ 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)
- □ 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

**Packing (Optional)**

- □ T - Packs of 10 (shrink wrap) in standard box

**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: 5005PGGNNT

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>500</th>
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<th>-</th>
<th>(Options #)</th>
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**ICLASS Seos Card Programming Information**

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE #</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner.
³The Printed card number is placed in the bottom right-hand corner on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
⁴Cards are not available with any slot punch option.
⁵Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
⁶Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for details.
iCLASS Seos + iCLASS Card - 522
Migration solution from iCLASS to Seos in HID Signo or iCLASS SE reader platform.
Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

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

### iCLASS Seos and Memory Size and Allocation
- ☑ 6 - 8K Bytes

### iCLASS Memory Size and Allocation (Select one option)
- ☐ 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

### iCLASS Seos Programming (Select one option)
- ☑ P - Programmed with Security Identity Object (SIO)
- ☐ V - Unprogrammed, for use with iCLASS SE Encoder
  (Must be combined with C option below)

### 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
  (Must be combined with V option above)

### Front Packaging (Select one option)
- ☑ G - Plain White with Gloss Finish
- ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number

### Back Packaging (Select one option)
- ☑ G - Plain White with Gloss Finish
- ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number
- ☑ 1 - Plain White with Gloss Finish with Magnetic Stripe
- ☑ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number

### iCLASS Seos Card Numbering (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)

### iCLASS Card Numbering (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
- ☐ 3 - Slot Punch

### Option - Custom Artwork
- ☑ Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork

---

Y = Seos Programming
12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number
Enter your final card options from check boxes above. Example: 52263PSGGAAN

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

### iCLASS Seos Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE #</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Format Number</th>
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<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
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</thead>
<tbody>
<tr>
<td>HID Elite ICE #</td>
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</tr>
</tbody>
</table>

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

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

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

⁴Cards are not available with any slot punch option.

⁵Inkjetted option is not available for these cards.

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

*The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.
iCLASS Seos + Prox Card - 510
Migration solution from proximity to high security for support in HID Signo or iCLASS SE reader platform.
Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model
☐ 510 Composite 40% Polyester / PVC*

iCLASS Seos Memory Size and Allocation (Select one option)
☐ 5 - 16K Bytes
☐ 6 - 8K Bytes⁶

Programming (Select one option)
☐ P - Programmed with Security Identity Object (SIO), HID Prox non programmed
☐ R - Both interfaces programmed: iCLASS Seos with Security Identity Object (SIO), 125 kHz programmed with HID or Indala format
☐ V - Unprogrammed Seos and 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 Seos Card Numbering³ (Select one option)
☐ M - Sequential Matching Encoded/Printed (Inkjetted)⁵
☐ N - No Printed Card Numbering
☐ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵
☐ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵
☐ 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 Punch⁶
☒ N - No Slot Punch

125 kHz Card Numbering⁷ (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 (Laser Engraved)
☐ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)
☐ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)
Option - Custom Artwork

- Custom Artwork¹

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

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

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>510</th>
<th>N</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

iCLASS Seos Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE number</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
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</table>

125 kHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

⁴Cards are not available with any slot punch option.

⁵Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for details.

*The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.
**iCLASS Seos + iCLASS + Prox Card - 520**

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

### Base Model
- **520** - Composite 40% Polyester / PVC

### iCLASS Seos Memory Size and Allocation
- **6** - iCLASS Seos 8K Bytes*

### 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

### iCLASS Seos Programming (Select one option)
- **P** - Programmed with Security Identity Object (SIO)
- **V** - Unprogrammed, for use with iCLASS SE Encoder
  (Must be combined with C option below)

### 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
  (Must be combined with V option above)

### 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 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 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 Artwork¹
- Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork

**Enter your final card options from check boxes above. Example: 52063PSPGGAAN**

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

* 40% Polyester / PVC
² 0.084 cm
⁴ Laser Engraved
⁵ Custom Artwork

---

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

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE number</td>
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<td></td>
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</tr>
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<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Printed Start Number</th>
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<tbody>
<tr>
<td>HID Elite ICE number</td>
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### iCLASS Card Programming Information

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<th>Format Number</th>
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<th>Printed Start Number</th>
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</thead>
<tbody>
<tr>
<td>HID Elite ICE number</td>
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### 125 kHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
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<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Printed Start Number</th>
<th>Printed Stop Number</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
³The Printed card number is placed in the bottom right-hand corner on the back of the card.
⁴Inkjetted option is not available for these cards.
⁵Cards are not available with any slot punch option.
⁶Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for details.
*The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.
iCLASS Seos 8K with MIFARE Classic or DESFire EV1 Implementation – 5806/5906
Migration solution from MIFARE Classic 4K or MIFARE DESFire EV1 to Seos 8K in HID Signo or iCLASS SE reader platform.

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

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

Y = Seos Programming
12345 = Card ID Number
YYYYYYYYY-YY = 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.

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

Base Model  □ 526

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 Numbering
□ 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)

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

| Final Part Number | 5266 | N | N |

Seos Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
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</thead>
<tbody>
<tr>
<td>HID Elite ICE number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1The ID number is marked on the back of the key fob, all options include a printed sales order number
2Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for more informaiton
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.

Base Model  □ 565

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
□ M - Plain White Matte Vinyl with Seos logo
□ C - Custom Artwork – Specify Custom Artwork Number¹

Back Packaging
□ S - ABS Base with Molded HID Logo
□ C - Custom Artwork – Specify Custom Artwork Number¹

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
□ V - Vertical Slot Punch

Enter your final options from the above selections. Example: 5656PMSAV

| Final Part Number | 5656 |  | V |

Seos Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost
2 The ID number is marked on the back of the clamshell, all options include a printed sales order 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.
iCLASS SE Credentials

iCLASS SE Card - 300 / 305

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

<table>
<thead>
<tr>
<th>Base Model</th>
<th>☐ 300 Standard PVC</th>
<th>☐ 305 Composite 40% Polyester / PVC</th>
</tr>
</thead>
</table>

**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**

- ☐ P - Programmed with Security Identity Object (SIO)
- ☐ V - 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 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

**Card Numbering³ (Select one option)**

- ☐ M - Sequential Matching Encoded/Printed (Inkjetted)⁷
- ☐ N - No Printed Card Numbering
- ☐ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁷
- ☐ R - Random Encoded/Sequential Non-Matching Printed (Inkjetted)⁷
- ☐ 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 (Select one option)**

- ☐ N - No Slot Punch. This card can be slotted vertically, Printed Vertical Slot Indicators⁶
- ☐ B - No Slot Punch. This card can be slotted horizontally, Printed Horizontal Slot Indicators⁶
- ☐ V - Vertical Slot Punch
- ☐ H - Horizontal Slot Punch⁶

**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: 3000PGGNN

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

### iCLASS Card Programming Information

<table>
<thead>
<tr>
<th>Format #</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
³The Printed card number is placed in the bottom right-hand corner on the back of the card.
⁴For Laser Engraved Printed numbers, consult factory for lead times and cost.
⁵Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.
⁶The ability to add a horizontal slot punch requires a different iCLASS antenna design. Users can expect a read range reduction of approximately 20% if they order options B or H for the Slot Punch.
⁷Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.
*The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.
## iCLASS SE + Prox Card - 315

Maximized compatibility with added security into installations that contain standard Prox credentials. These cards are not available with iCLASS programming, a composite fee applies to this card. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

### Base Model

- **315 Composite 40% Polyester / PVC**

### 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), 125 kHz HID Prox unprogrammed
- **R** - Both interfaces programmed: iCLASS with Security Identity Object (SIO), 125 kHz programmed with HID or Indala format

### 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

### 13.56 MHz iCLASS Card Numbering² (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 (Laser Engraved)
- **B** - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)⁴
- **C** - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)

### Slot Punch⁵ (Select one option)

- **N** - No Slot Punch. This card can be slotted vertically, Printed Vertical Slot Indicators
- **V** - Vertical Slot Punch

### 125 kHz Card Numbering⁴ (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 (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 check boxes above. Example: 3150PGGNNN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>-</th>
<th>(Options #)</th>
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### iCLASS Card Programming Information

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<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE number</td>
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</table>

### 125 kHz Card Programming Information

<table>
<thead>
<tr>
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<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
</table>

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

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

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

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

⁵Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.
iCLASS SE Key - 325

The iCLASS SE contactless smart Key offers read/write capability while leveraging Security Identity Object for increased security. Attach to a key ring or badge clip for convenient use. The iCLASS SE key is not available with iCLASS programming.

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

- **325 Base Model**

**iCLASS Memory Size and Allocation (Select one option)**
- □ 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**
- □ M - Sequential Matching Encoded/Printed (Inkjetted)
- □ N - No Printed Key Numbering
- □ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)
- □ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)
- □ A - Sequential Matching Encoded/Printed (Engraved)
- □ B - Sequential Encoded/Sequential Non-Matching Printed (Engraved)
- □ C - Random Encoded/Non-Matching Sequential Printed (Engraved)

**Additional Options³**
- □ N - None

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

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>325</th>
<th>N</th>
<th>N</th>
<th>N</th>
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</table>

**iCLASS Key Programming Information**

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE Number</td>
<td>Facility Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 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.

330 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 Secure Identity Object (SIO).
- V - Unprogrammed, for use with iCLASS SE Encoder

Front Packaging (Select one option)
- K - Black with HID Standard Artwork
- C - Custom Artwork - Specify Custom Artwork Number²

Back Packaging
- S - Adhesive Backing

Tag Numbering¹(Select one option)
- M - Sequential Matching Encoded/Printed (Inkjetted)⁴
- N - No Printed Tag Numbering
- S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁴
- R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁴

Slot Punch
- N - None

Option - Custom Artwork¹
- (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork)

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

Final Part Number  330  S  N  –  (Options #)

iCLASS Tag Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE #</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹The Printed tag number is placed on the back of the tag. In order to support laser marking technology HID will be transitioning from a white release paper to a black release paper. Please consult your sales Account Manager for more information.
²For new artwork files, contact Customer Service for custom artwork number, lead-times, minimum order quantities, and cost.
³The iCLASS Tag is not for use on cards that use full insertion or tractor feed type readers.
⁴Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

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.
iCLASS SE Clamshell Card - 335

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

**335 Base Model**

**image**

iCLASS Memory Size and Allocation (Select one option)
- **X** 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)
- **☐** M - Sequential Matching Encoded/Printed (Inkjetted)⁴
- **☐** 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
- **☐** 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

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>335</th>
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<th>V</th>
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iCLASS Card Programming Information

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<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
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<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Printed Start Number</th>
<th>Printed Stop Number</th>
</tr>
</thead>
</table>

¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²The Printed card number is placed in the top left-hand corner on the back of the card. HID logo molded into base on back. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
³Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.
iCLASS SE + Other HF Card - 391
The SIO-Enabled iCLASS with MIFARE Classic or MIFARE DESFire EV1 contactless smart card offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. This card offers maximized compatibility installations that contain iCLASS SE or MIFARE Classic / MIFARE DESFire EV1 credentials.
Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

<table>
<thead>
<tr>
<th>Base Model</th>
<th>391 Composite 40% Polyester / PVC*</th>
</tr>
</thead>
<tbody>
<tr>
<td>iCLASS Memory Size and Allocation (Select one option)</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE Classic 1K)</td>
</tr>
<tr>
<td>3</td>
<td>32k Bits (4K Bytes) Application areas 16k/2+16k/1</td>
</tr>
<tr>
<td>4</td>
<td>32k Bits (4K Bytes) Application areas 16k/16+16k/1</td>
</tr>
<tr>
<td>Card Programming (Select one option)</td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>iCLASS programmed with Secure Identity Object (SIO), 2nd Technology programmed with Secure Identity Object (SIO)</td>
</tr>
<tr>
<td>P</td>
<td>iCLASS programmed with Secure Identity Object (SIO), 2nd Technology unprogrammed for use with iCLASS SE encoder (HID MIFARE or custom encoding)</td>
</tr>
<tr>
<td>K</td>
<td>iCLASS programmed with Secure Identity Object (SIO), 2nd Technology programmed with HID MIFARE Classic or custom MIFARE Classic (option M or N 2nd HF only).</td>
</tr>
<tr>
<td>A</td>
<td>iCLASS unprogrammed for use with iCLASS SE Encoder, 2nd Technology programmed with Secure Identity Object (SIO)</td>
</tr>
<tr>
<td>B</td>
<td>iCLASS unprogrammed for use with iCLASS SE Encoder, 2nd Technology unprogrammed for use With iCLASS SE encoder (HID MIFARE or custom encoding)</td>
</tr>
<tr>
<td>V</td>
<td>iCLASS unprogrammed for use with iCLASS SE Encoder, 2nd Technology unprogrammed for use with iCLASS SE encoder (SIO, HID MIFARE or custom encoding)</td>
</tr>
<tr>
<td>2nd High Frequency Technology (Select one option)</td>
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<tr>
<td>M</td>
<td>MIFARE Classic 1K Bytes (only available with iCLASS 2k bits)</td>
</tr>
<tr>
<td>N</td>
<td>MIFARE Classic 4K Bytes</td>
</tr>
<tr>
<td>K</td>
<td>MIFARE DESFire EV1 8K Bytes</td>
</tr>
<tr>
<td>Front Packaging (Select one option)</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Plain White with Gloss Finish</td>
</tr>
<tr>
<td>C</td>
<td>Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹</td>
</tr>
<tr>
<td>Back Packaging (Select one option)</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Plain White with Gloss Finish²</td>
</tr>
<tr>
<td>C</td>
<td>Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹</td>
</tr>
<tr>
<td>1</td>
<td>Plain White with Gloss Finish with Magnetic Stripe²</td>
</tr>
<tr>
<td>3</td>
<td>Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number²</td>
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<tr>
<td>iCLASS SE Card Numbering³ (Select one option)</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Sequential Matching Encoded/Printed (Inkjetted)⁶</td>
</tr>
<tr>
<td>N</td>
<td>No Printed Card Numbering</td>
</tr>
<tr>
<td>S</td>
<td>Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵</td>
</tr>
<tr>
<td>R</td>
<td>Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵</td>
</tr>
<tr>
<td>A</td>
<td>Sequential Matching Encoded/Printed (Laser Engraved)</td>
</tr>
<tr>
<td>B</td>
<td>Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)</td>
</tr>
<tr>
<td>C</td>
<td>Random Encoded/Non-Matching Sequential Printed (Laser Engraved)</td>
</tr>
</tbody>
</table>

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

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

☐ N - No Slot Punch

2nd High Frequency Technology Card Numbering\(^2\) (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 (Laser Engraved)

☐ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)

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

Option - Custom Artwork\(^1\)

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

Enter your final card options from the above selections. Example: 3914RNGCMNM

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th></th>
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<th></th>
<th>N</th>
<th>–</th>
<th>(Options #)</th>
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</table>

iCLASS SE Card Programming Information

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<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
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<th>QTY</th>
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<tbody>
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<table>
<thead>
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<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
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<tbody>
<tr>
<td>HID Elite ICE #</td>
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</table>

2nd 13.56 MHz technology Card Programming Information

<table>
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<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
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<tr>
<td>HID Elite ICE #</td>
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</tbody>
</table>

\(^1\)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. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

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

iCLASS SE + Other 13.56 MHz + Prox Card - 396

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

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

<table>
<thead>
<tr>
<th>Base Model</th>
<th>396 Composite 40% Polyester / PVC*</th>
</tr>
</thead>
</table>

### iCLASS SE 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

### 13.56 MHz Technology Card Programming (Select one option)
- **R** - iCLASS programmed with Secure Identity Object (SIO), 2nd Technology programmed with secure Identity Object (SIO)
- **P** - CLASS programmed with Secure Identity Object (SIO), 2nd Technology unprogrammed for Use with iCLASS SE encoder (HID MIFARE or custom encoding)
- **A** - iCLASS unprogrammed for use with iCLASS SE Encoder, 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)

### 2nd High Frequency (13.56 MHz) Technology (Select one option)
- **M** - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits)
- **N** - MIFARE Classic 4K Bytes
- **K** - MIFARE DESFire EV1 8K Bytes

### 125 kHz Technology Card Programming (Select one option)
- **P** - Programmed with HID Prox or Indala format.
- **C** - Programmed with CASI Prox.
- **N** - Unprogrammed HID Prox.

### 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 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 (Inkjetted)⁴
- **A** - Sequential Matching Encoded/Printed (Laser Engraved)

---

1. Specify Custom Artwork Number
2. Specify Custom Artwork Number
3. Specify Custom Artwork Number
4. Specify Custom Artwork Number
5. Specify Custom Artwork Number
Powering Trusted Identities

Slot Punch

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

☐ N - No Slot Punch

2nd 13.56 MHz Card Numbering² (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 (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)⁵
☐ 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: 3964PNPGGNNM

Final Part Number

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

iCLASS SE Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
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<th>QTY</th>
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2nd 13.56 MHz Programming Information

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## 125 kHz Programming Information

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

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

3️⃣The 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.

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

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

### iCLASS Card - 200 / 210

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

<table>
<thead>
<tr>
<th>Base Model:</th>
<th>200 Standard PVC</th>
<th>210 Composite 40% Polyester / PVC*</th>
</tr>
</thead>
</table>

### iCLASS Memory Size and Allocation (Select one option)

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

### iCLASS Programming (Select one option)

- **HP** - Programmed with Security Identity Object (SIO) and standard iCLASS Access Control Application (Recommended)
- **P** - Programmed with standard iCLASS Access Control Application
- **C** - 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 Number²

### Back Packaging (Select one option)

- **G** - Plain White with Gloss Finish³
- **C** - Custom Artwork with Gloss Finish - Specify Custom Artwork Number²
- **1** - Plain White with Gloss Finish with Magnetic Stripe³
- **3** - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number²

### Card Numbering⁴ (Select one option)

- **M** - Sequential Matching Encoded/Printed (Inkjetted)⁸
- **N** - No Printed Card Numbering
- **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)
- **C** - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)

### Slot Punch⁵ (Select one option)

- **N** - No slot punch, This card can be slotted vertically, Printed Vertical Slot Indicators
- **B** - No Slot Punch, This card can be slotted horizontally, Printed Horizontal Slot Indicators⁷
- **V** - Vertical Slot Punch
- **H** - Horizontal Slot Punch⁶

---

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

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October 2020

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PLT-02630, Rev. C.6
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: 2000HPGGNN

<table>
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<tr>
<th>Final Part Number</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

iCLASS Card Programming Information

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<tr>
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<td>HID Elite ICE #</td>
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¹Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2000PGGNN

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

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

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

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

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

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

*The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.
iCLASS + Prox card - 212

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

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

Base Model

- 212 Composite 40% Polyester / PVC

iCLASS Memory Size and 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

Programming (Select one option)
- HP - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 25 kHz Unprogrammed.¹
- HB - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 125 kHz 125 kHz programmed with HID Prox or Indala format
- P - Programmed with standard iCLASS access control application, 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
- A - iCLASS Unprogrammed, for use with iCLASS SE Encoder, 125 kHz programmed with HID Prox or Indala format
- M - iCLASS Programmed, HITAG2 blank.
- I - iCLASS configured field programmable, HITAG2 blank.

Front Packaging (Select one option)
- G - Plain White with Gloss Finish
- C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number²

Back Packaging (Select one option)
- G - Plain White with Gloss Finish³
- C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number²
- 1 - Plain White with Gloss Finish with Magnetic Stripe³
- 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number²

iCLASS Card Numbering⁴ (Select one option)
- M - Sequential Matching Encoded/Printed (Inkjetted)⁷
- N - No Printed Card Numbering
- S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁸
- R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁶
- 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 Punch⁵ (Select one option)
- V - Vertical Slot Punch
- N - No slot punch, This card can be slotted vertically, Printed Vertical Slot Indicators

12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number
125 kHz Card Numbering⁴ (Select one option)

- M - Sequential Matching Encoded/Printed (inkjetted)⁷
- N - No Printed Card Numbering
- S - Sequential Encoded/Sequential Non-Matching Printed (inkjetted)⁸
- R - Random Encoded/Non-Matching Sequential Printed (inkjetted)⁹
- 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 Artwork²

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

Enter your final card options from the above selections. Example: 2120HPGNNN

<table>
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<tr>
<th>Final Part Number</th>
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<th>(Options #)</th>
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</table>

iCLASS Card Programming Information

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125 kHz Card Programming Information

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¹Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2120PGGNNN
²For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
³Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
⁴The Printed card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.
⁵Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.
⁶Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
*The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.
iCLASS Key - 205

The iCLASS Key can be ordered either with both SIO and iCLASS programming or iCLASS programming only. Attach to a key ring or badge clip for convenient use.

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

Base Model □ 205 Base 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

Programming (Select one option)
□ H - Programmed with Security Identity Object (SIO) and standard iCLASS access control application (Recommended)
□ P - Programmed iCLASS standard access control application only
□ C - iCLASS 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 Numbering1 (Select one option)
□ M - Sequential Matching Encoded/Printed (Inkjetted)⁴
□ N - No Printed Key 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)

Additional Options³
✗ N - None

Enter your final card options from the above selections. Example: 2050HNNMN

| Final Part Number | 205 | N | N | N |

iCLASS Key Programming Information

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<tr>
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</table>

¹The Printed key number is placed on the back of the key.
²Key Ring sold separately (Part Number: 57-0001-02).
³Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.

October 2020
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 Allocation (Select one option)
- 0 - 2k Bits (256 Bytes) with 2 Application Areas
- 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

iCLASS Programming information (Select one option)
- H - Programmed with Security Identity Object (SIO) and standard iCLASS access control application. (Recommended)
- P - Programmed with iCLASS access control application only
- C - iCLASS Unprogrammed, for use with iCLASS SE Encoder

Front Packaging (Select one option)
- K - Black with HID Standard Artwork
- C - Custom Artwork - Specify Custom Artwork Number²

Back Packaging
- S - Adhesive Backing

Tag Numbering¹ (Select one option)
- M - Sequential Matching Encoded/Printed (inkjetted)⁴
- N - No Printed Tag Numbering
- S - Sequential Encoded/Sequential Non-Matching Printed (inkjetted)⁴
- R - Random Encoded/Non-Matching Sequential Printed (inkjetted)⁴

Slot Punch
- N - None

Option - Custom Artwork¹
- (Specify Artwork Number - Refer to the Custom Artwork Forms for new artwork)

Enter your final Tag options from check boxes above. Example: 2060HSSNN

Final Part Number

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>206</th>
<th>S</th>
<th>N</th>
<th>-</th>
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¹The Printed tag number is placed on the back of the tag. In order to support laser marking technology HID will be transitioning from a white release paper to a black release paper. Please consult your sales Account Manager for more information.

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

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

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

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.
**iCLASS Clamshell Card - 208**

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

- **208 Base Model**

**iCLASS Memory Size and Allocation**
- **0** - 2k Bits (256 Bytes) with 2 Application Areas

**iCLASS Programming (Select one option)**
- **HP** - Programmed with Security Identity Object (SIO) and standard iCLASS access control application. *(Recommended)*
- **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)**
- **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

**Slot Punch**
- **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 #) |

**iCLASS Card Programming Information**

<table>
<thead>
<tr>
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¹Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2080PGSNV

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

³Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards. The majority of part numbers include a printed Sales Order number, contact your local support representative for full details.
iCLASS + Other HF Card - 242

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

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

Base Model  □ 242 Composite 40% Polyester / PVC*

iCLASS Memory Size 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

Card Programming (Select one option)
- □ J - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology programmed with Security Identity Object (SIO)
- □ H - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology unprogrammed
- □ 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 control application, 2nd Technology unprogrammed
- □ C - Unprogrammed iCLASS, for use with iCLASS SE Encoder, Non-programmed 2nd Technology
- □ A - iCLASS unprogrammed, for use with iCLASS SE Encoder, 2nd Technology programmed with HID MIFARE (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 Classic 4K Bytes
- □ K - MIFARE DESFire EV1 8K 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)
- □ 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 (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

12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number
## High Frequency Technology Card Numbering

- **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)
- **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

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

Enter your final card options from the above selections. Example: 2420HNGGNNN

### Final Part Number

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
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<tbody>
<tr>
<td>HID Elite ICE #</td>
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### iCLASS Card Programming Information

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### 13.56 MHz Technology Card Programming Information

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<td></td>
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</tbody>
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1. For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
2. Cards ordered with plain white front and back packaging, 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. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
3. 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.
6. The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.
Powering Trusted Identities

iCLASS + Other 13.56 MHz + Prox Card - 262

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

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

Base Model □ 262 Composite 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

iCLASS / 2nd 13.56 MHz Programming

□ J - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology programmed with Security Identity Object (SIO)
□ H - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology unprogrammed
□ 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)
□ 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 control application, 2nd Technology unprogrammed
□ C - iCLASS unprogrammed, for use with iCLASS SE Encoder, 2nd Technology unprogrammed
□ A - iCLASS unprogrammed, for use with iCLASS SE Encoder, 2nd Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESfire).

Other 13.56 MHz Technology (Select one option)

□ M - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits)
□ N - MIFARE Classic 4K Bytes
□ K - MIFARE DESFire EV1 8K 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)

□ G - Plain White with Gloss Finish²
□ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹

iCLASS Card Numbering3 (Select one option)

□ M - Sequential Matching Encoded/Printed (inkjetted)⁵
□ N - No Printed Card Numbering
□ S - Sequential Encoded/Sequential Non-Matching Printed (inkjetted)⁵
□ R - Random Encoded/Non-Matching Sequential Printed (inkjetted)⁵
□ 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

□ 1 - Plain White with Gloss Finish with Magnetic Stripe²
□ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number¹
Slot Punch

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

- **N** - No Slot Punch

### 2nd 13.56 MHz Card Numbering³ (Select one option)

- **M** - Sequential Matching Encoded/Printed (Inkjetted)⁴
- **N** - No Printed Card Numbering
- **S** - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁶
- **R** - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁶
- **A** - Sequential Matching Encoded/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)

### 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

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<th>(Options #)</th>
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### iCLASS Card Programming Information

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### 2nd 13.56 MHz Card Programming Information

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# 125 kHz Card Programming Information

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

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

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

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

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

UHF Card - 600
The SIO Enabled UHF (Ultra High Frequency: 860-960 MHz) contactless smart card is designed for long read range (parking, gate, healthcare...) while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element. **Direct to Card printing on these cards is not recommended.**

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

Base Model □ 600 Composite 40% Polyester / PVC*

Secure Identity Object Programming
☒ T - UHF Programmed with Secure Identity Object (SIO)

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

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)

Slot Punch
☒ N - No Slot Punch

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: 600TGGNN

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<th>Final Part Number</th>
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<th>T</th>
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UHF Programming Information⁵

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¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand on the back of the card and include the sales order number. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
³The Printed card number is placed in the bottom right-hand corner for UHF
⁴Number of bits should remain below 120 bits
⁵The 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.**

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

<table>
<thead>
<tr>
<th>Base Model</th>
<th>601 Composite 40% Polyester / PVC*</th>
</tr>
</thead>
</table>

**iCLASS Memory Size and Allocation**

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

**Card Programming**

- S - UHF Programmed with Secure Identity Object (SIO). iCLASS programmed with standard iCLASS standard access control application and Secure Identity Object (SIO)
- T - UHF Programmed with Secure Identity Object (SIO). iCLASS programmed with Secure Identity Object (SIO)
- H - UHF Programmed with Secure Identity Object (SIO). iCLASS programmed with standard iCLASS access control application
- C - UHF Programmed with Secure Identity Object (SIO). iCLASS 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 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

**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)

**iCLASS 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)

**Slot Punch**

- N - No Slot Punch

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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: 6013TGGNNN

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UHF Programming Information

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iCLASS Programming Information

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¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
³The Printed card number is placed in the bottom right-hand corner for UHF.
⁴Number of bits should remain below 120 bits.
*The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.
**UHF + MIFARE Classic Card - 603**

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

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

Base Model  □ 603 Composite 40% Polyester / PVC¹

<table>
<thead>
<tr>
<th>Card Programming</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ J - UHF Programmed with Secure Identity Object (SIO), MIFARE programmed with Secure Identity Object (SIO)</td>
</tr>
<tr>
<td>□ P - UHF Programmed with Secure Identity Object (SIO), MIFARE non-programmed</td>
</tr>
<tr>
<td>□ H - UHF Programmed with Secure Identity Object (SIO), MIFARE programmed with HID MIFARE access control application</td>
</tr>
<tr>
<td>□ K - UHF Programmed with Secure Identity Object (SIO), MIFARE custom programmed (custom part suffix required)</td>
</tr>
</tbody>
</table>

**MIFARE Memory Size and Allocation**

- □ M - 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

**UHF Card Numbering² (Select one option)**

- □ N - No Printed Card Numbering
- □ A - Sequential Matching Encoded/Printed (Laser Engraved)
- □ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)⁴
- □ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)

**Slot Punch**

- □ N - No Slot Punch

**MIFARE Card Numbering³ (Select one option)**

- □ N - No Printed Card Numbering
- □ A - Sequential Matching Encoded/Printed (Laser Engraved)
- □ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)
- □ B - Sequential Encoded/Sequential Non-Matching 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: 603JMGGANA

| Final Part Number | 603 |          |          | N | (Options #) |
### UHF Programming Information

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### MIFARE Programming Information

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<tr>
<td>printed stop number</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
2. Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
3. 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.

☒ 1326 Base Model

125 kHz Programming (Select one option)
☐ L - Programmed with HID or Indala format
☐ N - HID Prox unprogrammed, for use with iCLASS SE Encoder

Front Packaging (Select one option)
☐ S - ProxCard II Artwork - Vinyl with Matte Finish
☐ M - Plain White Vinyl with Matte Finish
☐ G - Plain White PVC 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)
☐ 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

Slot Punch
☒ 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

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>1326</th>
<th>V</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

125 kHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

DuoProx II Card - 1336 / 1536

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

| Base Model | ☐ 1336 Standard PVC | ☐ 1536 Composite 40% Polyester / PVC |

125 kHz Programming (Select one option)
☐ L - Programmed with HID Prox or Indala format
☐ N - Unprogrammed HID Prox, for use with iCLASS SE Encoder

Front Packaging (Select one option)
☐ 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 Finish²
☐ S - Standard DuoProx II Artwork Gloss Finish²
☐ C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number¹,²

Card Numbering³ (Select one option)
☐ M - Sequential Matching Encoded/Printed (Inkjetted)⁵
☐ N - No Printed Card Numbering
☐ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵
☐ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵
☐ A - Sequential Matching Encoded/Printed (Engraved)
☐ B - Sequential Encoded/Sequential Non-Matching 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 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: 1336LGGGMN

Final Part Number

125 kHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
</table>

¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
³The Printed card number is placed in the bottom right-hand corner on the back of the card.
⁴Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.
⁵Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.
⁶Programmed as a sequential 12 digit number.
*The composite construction is recommended for all cards that will have an over-laminate applied.
ProxKey III Keyfob - 1346

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

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)

Additional Options⁴
- N - No Option

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

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>1346</th>
<th>S</th>
<th>N</th>
</tr>
</thead>
</table>

125 kHz ProxKey Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Printed Start Number</th>
<th>Printed Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

⁴Key Ring sold separately (Part Number: 57-0001-02).
## ISOProx II Card - 1386 / 1586

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

### Base Model
- [ ] 1386 Standard PVC
- [ ] 1586 Composite 40% Polyester / PVC

### 125 kHz Programming (Select one option)
- [ ] L - Programmed with HID Prox or Indala format
- [ ] N - Unprogrammed HID Prox, for use with iCLASS SE Encoder

### Front Packaging (Select one option)
- [ ] G - Plain White PVC w/ Gloss Finish
- [ ] C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number

### Back Packaging (Select one option)
- [ ] G - Plain White PVC w/ Gloss Finish
- [ ] C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number

### 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)
- [ ] A - Sequential Matching Encoded/Printed (Engraved)
- [ ] B - Sequential Encoded/Sequential Non-Matching Printed (Engraved)
- [ ] C - Random 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 Horizontal Slot Indicators
- [ ] H - Horizontal Slot Punch, Printed Vertical Slot 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

#### 125 kHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

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

Color
☑ B - Standard beige finish

Back Packaging
☑ S - Standard HID logo

Tag 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)

Hardware Option
☑ N - None

Enter your final Tag options from check boxes above. Example: 1351LBSMN

Final Part Number  1351  L  B  S  N  -  (Optional Artwork #)

125 kHz Tag Programming Information¹

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

¹The 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 option)**
- [ ] L - Programmed with HID Prox or Indala format
- [ ] N - Unprogrammed HID Prox for use with iCLASS SE Encoder

**Front Packaging (Select one option)**
- [ ] S - Gray with HID Standard Artwork
- [ ] G - Plain Gray Finish, (No Artwork)
- [ ] C - Custom Artwork - Specify Custom Artwork Number

**Back Packaging³**
- [ ] S - Adhesive Backing

**Tag Numbering² (Select one option)**
- [ ] M - Sequential Matching Encoded/Printed (Inkjetted)³
- [ ] N - No Printed Tag Numbering
- [ ] S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)³
- [ ] R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)³

**Slot Punch**
- [ ] N - None

**Optional Custom Artwork¹**
- [ ] (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)

Enter your final Tag options from check boxes above. Example: 1391LSSMN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>1391</th>
<th>S</th>
<th>N</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

**125 kHz Tag Programming Information**

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Printed Start Number</th>
<th>Printed Stop Number</th>
</tr>
</thead>
</table>

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

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

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

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.

**Contact Smart Chip**

**Magnetic Stripe**

**MicroProx Placement**

Contact Smart Chip | Magnetic Swipe card
Direct Image PVC Glossy Label Part Numbers

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Thickness</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1324GAV11</td>
<td>ProxCard II size with slot punch, white adhesive back</td>
<td>10 mil PVC</td>
<td>3.310” x 2.060”</td>
</tr>
<tr>
<td>1324GAN11</td>
<td>ProxCard II size, no slot punch, white adhesive back</td>
<td>10 mil PVC</td>
<td>3.310” x 2.060”</td>
</tr>
<tr>
<td>1324GAV21</td>
<td>ProxCard II size with slot punch, white adhesive back</td>
<td>20 mil PVC</td>
<td>3.310” x 2.060”</td>
</tr>
<tr>
<td>1324GAN21</td>
<td>ProxCard II size, no slot punch, white adhesive back</td>
<td>20 mil PVC</td>
<td>3.310” x 2.060”</td>
</tr>
<tr>
<td>1324GBV22</td>
<td>ISOProx II and ProxCard II size with slot punch, brown (3M) adhesive back</td>
<td>20 mil PVC</td>
<td>3.370” x 2.125”</td>
</tr>
<tr>
<td>1324GBN22</td>
<td>ISOProx II and ProxCard II size, no slot punch, brown (3M) adhesive back</td>
<td>20 mil PVC</td>
<td>3.370” x 2.125”</td>
</tr>
<tr>
<td>1324GAV22</td>
<td>ISOProx II and ProxCard II size, with slot punch, white adhesive back</td>
<td>20 mil PVC</td>
<td>3.370” x 2.125”</td>
</tr>
<tr>
<td>1324GAN22</td>
<td>ISOProx II and ProxCard II size, no slot punch, white adhesive back</td>
<td>20 mil PVC</td>
<td>3.370” x 2.125”</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>BASE MODEL NUMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPISO</td>
</tr>
<tr>
<td>FPWGD</td>
</tr>
<tr>
<td>FPIXT</td>
</tr>
</tbody>
</table>

### PROGRAMMING

- **S** = Standard, Programmed, Low Frequency 125 kHz - exact coding standard, with no gaps or over-runs  
- **N** = Not Programmed, Low Frequency 125 kHz (Blank/Programmable)

### FRONT GRAPHICS

- **S** = Standard white glossy finish, suitable for video imaging  
- **C** = Custom (Artwork on file or new)

### BACK GRAPHICS

- **S** = Standard white glossy finish with Indala logo, card marking (Sales Order & matching internal ID number), suitable for dye sublimation imaging in most areas  
- **C** = Custom (Artwork on file or new)

### MARKING POSITION

- **Note:** Standard Marking is Label Code E153, which is Sales Order number & matching 5 digit internal ID number, is used unless otherwise specified. E153 marking is not compatible with programming option N.  
- **C** = Position 3/Standard Location (Back Side/Lower Right Corner)
- **Note:** Inkjet marking is surface printed and, therefore is not to be considered permanent. In some cases Laser etching will replace inkjet marking. Laser etching is permanent in most applications.

### SLOT PUNCH

- **N** = None  
- **V** = Vertical (portrait orientation) - Unavailable for FPWGD  
- **H** = Horizontal (landscape orientation)

### MAGNETIC STRIPE OPTION

- **A** = No Magstripe  
- **B** = Standard Magstripe (3-track, high coercivity, 4000 oersted)  
- **CUSTOM FILE NUMBER** (4 Characters - Factory Assigned)  
- **0000** = No Artwork (Call your Customer Service Representative for new artwork)
### 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.

<table>
<thead>
<tr>
<th>BASE NUMBER</th>
<th>PROGRAMMING</th>
<th>FLAT SIDE GRAPHICS</th>
<th>EMBOSSED SIDE GRAPHICS</th>
<th>MARKING POSITION</th>
<th>CARD OPTION</th>
<th>CUSTOM FILE NO</th>
</tr>
</thead>
</table>
| FPCRD       | S S S M W 0000 | **S** \(=\) Standard (Flat Side with printed Indala logo)  
**C** = Custom (Artwork on file or new)  
**S** \(=\) Standard (Embossed Side with embossed Indala logo)  
**C** = Custom (Artwork on file or new, still with embossed Indala logo)  
**Notes:**  
- Standard Marking or Label Code E153, which is Sales Order number & matching internal ID number, is used unless otherwise specified.  
- Inkjet marking is surface printed and, therefore is not to be considered permanent. In some cases Laser etching will replace inkjet marking. Laser etching is permanent in most applications.  
- E153 marking is not compatible with programming option N  
| **A** = Position 1/Flat Side (with slot punch to the right, lower left corner) - available with Printable Option only  
**C** = Position 3/Flat Side (with slot punch to the right, lower right corner) - available with Printable Option only  
**K** = Position 1/Embossed Side (with slot punch to the right, lower left corner)  
**M** = (Standard) = Position 3/Embossed Side (with slot punch to the right, lower right corner)  
**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** \(=\) 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.
(N = Not Programmed
(Specify Format or Format Number, Facility Code, and ID Range)

FRONT GRAPHICS
S = Standard (printed Indala logo)

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

MARKING POSITION
Notes:
- Standard Marking or Label Code E201, which is a shortened version of the Sales Order number & matching internal ID number, is used unless otherwise specified.
- Inkjet marking is surface printed and, therefore is not to be considered permanent. Most Keytag marking will be with Laser etching which is permanent in most applications.
- E201 marking is not compatible with programming option N

S = Standard (back side on printed strip)

CUSTOM FILE NUMBER XXXX (4 Characters - Factory Assigned)

0002 = No Artwork
AAAA = Custom Artwork. Contact your Customer Service Representative for new artwork.

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

Standard Part No.: FPKEY-SSSS-0000

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

BASE NUMBER
PROGRAMMING
FRONT GRAPHICS
BACK GRAPHICS
MARKING POSITION
CUSTOM FILE NO

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

**FRONT GRAPHICS**

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

**BACK GRAPHICS**

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

**MARKING POSITION**

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

S = Standard (back side on printed strip)

**CUSTOM FILE NUMBER** (4 Characters - Factory Assigned)

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

Notes:
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)

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

<table>
<thead>
<tr>
<th>MIFARE Classic cards with SIO encoding (Recommended)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ 3400 (1K) Standard PVC</td>
</tr>
<tr>
<td>☐ 3406 (4K) Standard PVC</td>
</tr>
<tr>
<td>☐ 3450 (1K) Composite 40% Polyester/PVC*</td>
</tr>
<tr>
<td>☐ 3456 (4K) Composite Polyester 40%/PVC*</td>
</tr>
</tbody>
</table>

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.

*A marker is placed in sector 6 and will not be available for other data

<table>
<thead>
<tr>
<th>MIFARE Classic Cards without SIO encoding</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ 1430 (1K) Standard PVC</td>
</tr>
<tr>
<td>☐ 1440 (4K) Standard PVC</td>
</tr>
<tr>
<td>☐ 1436 (1K) Composite 40% Polyester / PVC*</td>
</tr>
<tr>
<td>☐ 1446 (4K) Composite Polyester 40% / PVC*</td>
</tr>
</tbody>
</table>

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

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 - Specify Custom Artwork Number¹,²

☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹,²

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

☐ 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)

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

☐ 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
YYYYYYYY-YY = Sales Order Number
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: 3400PGGNN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

13.56 MHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
<th>Printed Start Number</th>
<th>Printed Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE #</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details
³The Printed card number is placed in the bottom right-hand corner on the back of the card.
⁴When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).
⁵Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.
⁶Includes a permanent Unique MIFARE 32 Bit Serial number.
⁷Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.
*The composite construction is recommended for all cards with over-laminate applied.
Powering Trusted Identities

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.

<table>
<thead>
<tr>
<th>MIFARE Classic + Prox card with SIO encoding (Recommended)</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 3500 (1K) Standard PVC</td>
</tr>
<tr>
<td>□ 3506 (4K) Standard PVC</td>
</tr>
<tr>
<td>□ 3550 (1K) Composite 40% Polyester/PVC*</td>
</tr>
<tr>
<td>□ 3556 (4K) Composite 40% Polyester/PVC*</td>
</tr>
</tbody>
</table>

Programming* (Select one option)

| □ P - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder |
| □ R - Programmed 13.56 MHz Security Identity Object (SIO) for MIFARE Classic, programmed 125 kHz with HID Prox or Indala format |
| □ V - Unprogrammed 13.56 MHz SIO for MIFARE (for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder |

*A marker is placed in sector 6 and will not be available for other data

<table>
<thead>
<tr>
<th>OR MIFARE Classic + Prox card without SIO encoding</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 1431 (1K) Standard PVC</td>
</tr>
<tr>
<td>□ 1441 (4K) Standard PVC</td>
</tr>
<tr>
<td>□ 1437 (1K) Composite 40% Polyester / PVC*</td>
</tr>
<tr>
<td>□ 1447 (4K) Composite 40% Polyester / PVC*</td>
</tr>
</tbody>
</table>

Programming (Select one option)

| □ L - Programmed 125 kHz with HID Prox or Indala Format6, unprogrammed 13.56 MHz MIFARE Classic (for use with iCLASS SE Encoder custom or HID) |
| □ M - Programmed 13.56 MHz HID MIFARE6 access control application, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder |
| □ B - Programmed 13.5 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 (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 - Specify Custom Artwork Number¹,² |
| □ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹, ² |

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)⁴,⁵ |
| □ V - UID (CSN) Decimal card numbering only (Inkjetted)⁴,⁵ |
| □ 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) |
| □ Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved) |

Note: 340 credential image may vary.
Slot Punch (Select one option)

☐ N - No slot punch. This card can be slotted vertically, Printed Vertical Slot Indicators
☐ V - Vertical Slot Punch

125 kHz Proximity Card Numbering\(^2\) (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)
☐ A - Sequential Matching Encoded/Printed (Engraved)
☐ B - Sequential Encoded/Sequential Non-Matching Printed (Engraved)
☐ C - Random Encoded/Non-Matching Sequential Printed (Engraved)

Option - Custom Artwork\(^1\)

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

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

Final Part Number

13.56 MHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE #</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Printed Start Number</th>
<th>Printed Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*HID Elite key not applicable to base parts 1431, 1441, 1437, or 1447

125 kHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Printed Start Number</th>
<th>Printed Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\)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. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

\(^3\)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).

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

\(^6\)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)

Programming (Select one option)

☐ M - Programmed with HID MIFARE³ access control application
☐ N - Unprogrammed MIFARE Classic
☐ S - Custom Programmed MIFARE Classic, requires custom part number

Front Packaging (Select one option)

☐ S - Standard HID Artwork
☐ C - Custom Artwork - Specify Custom Artwork Number¹

Back Packaging

☒ S - Standard

Key Numbering¹ (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)

Slot Punch²

☒ N - None

Enter your final Key options from check boxes above. Example: 1434NSSNN

Final Part Number

☐ S
☐ N

13.56 MHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>

¹The Printed key number is placed on the back of the key.
²Key Ring sold separately (Part Number: 57-0001-02).
³Includes a permanent Unique MIFARE 32 Bit Serial number.
⁴Please note that cards shipped within the Americas are always laser-engraved. Inkjetted option is not available for these cards.
MIFARE Classic Adhesive Tag - 1435

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

**Base Model**

☐ 1435 (1K)

**Programming (Select one option)**

☐ M - Programmed with HID MIFARE® access control application
☐ N - Unprogrammed MIFARE Classic
☐ S - Custom programmed MIFARE Classic, custom part number required

**Front Packaging (Select one option)**

☐ S - Standard HID Artwork
☐ C - Custom Artwork - Specify Custom Artwork Number¹

**Back Packaging**

☒ S - Standard

**Tag Numbering¹ (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)

**Slot Punch²**

☒ N - None

Enter your final Tag options from check boxes above. Example: 1435NSSNN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>S</th>
<th>N</th>
</tr>
</thead>
</table>

**13.56 MHz Card Programming Information**

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Printed Start Number</th>
<th>Printed Stop Number</th>
</tr>
</thead>
</table>

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

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

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

⁴Includes a permanent Unique MIFARE 32 Bit Serial number.

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

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

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

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

<table>
<thead>
<tr>
<th>Card with SIO encoding</th>
<th>OR</th>
<th>Card without SIO encoding</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 3700 Standard PVC</td>
<td>□ 1450 Standard PVC</td>
<td></td>
</tr>
<tr>
<td>□ 3750 Composite 40% Polyester/PVC*</td>
<td>□ 1456 Composite 40% Polyester/PVC*</td>
<td></td>
</tr>
<tr>
<td><strong>MIFARE DESFire EV1 Memory Size</strong></td>
<td><strong>MIFARE DESFire EV1 Memory Size</strong></td>
<td></td>
</tr>
<tr>
<td>□ C - 8K Bytes MIFARE DESFire EV1</td>
<td>□ C - 8K Bytes MIFARE DESFire EV1</td>
<td></td>
</tr>
<tr>
<td><strong>Programming</strong></td>
<td><strong>Programming (Select one option)</strong></td>
<td></td>
</tr>
<tr>
<td>□ P - Programmed Security Identity Object (SIO) for MIFARE DESFire EV1</td>
<td>□ N - Unprogrammed 13.56 MHz DESFire EV1 for use with iCLASS SE Encoder (custom)</td>
<td></td>
</tr>
<tr>
<td>□ V - Unprogrammed Secure Identity object (SIO) for DESFire EV1, for use with iCLASS SE Encoder (SIO)</td>
<td>□ S - Custom MIFARE DESFire EV1 programming – requires custom part number</td>
<td></td>
</tr>
</tbody>
</table>

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 - Specify Custom Artwork Number¹,²
□ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe
   - Specify Custom Artwork Number¹,²

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

Slot Punch⁵

□ N - No Slot Punch. IMPORTANT – 3700, 3750, 1450, and 1456 credentials do not allow a slot punch due to the antenna design, use a badge holder to attach this card to a lanyard or badge clip.
Option - Custom Artwork¹

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

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

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>C</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

13.56 MHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE #</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹HID Elite key not applicable to base parts 1431, 1441, 1437, or 1447.
²For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
³Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.
⁴The Printed card number is placed in the bottom right-hand corner on the back of the card. Permanent Unique MIFARE 56 Bit serial # cannot be printed on cards.
⁵Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.
⁶Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.
*The composite construction is recommended for all cards with over-laminate applied.
MIFARE DESFire EV1 + Prox Card - 380 / 385 / 1451 / 1457

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

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

Card with SIO encoding + Prox (Recommended)
☐ 3800 Standard PVC
☐ 3850 Composite 40% Polyester/PVC*

MIFARE DESFire EV1 Memory Size
☒ C - 8K Bytes DESFire EV1

Programming (Select one option)
☐ P - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE DESFire EV1, unprogrammed 125 kHz HID Prox (for use with iCLASS SE Encoder)
☐ 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 HIDProx for use with iCLASS SE Encoder.

OR

Card without SIO encoding + Prox
☐ 1451 Standard PVC
☐ 1457 Composite 40% Polyester/PVC*

*HITAG based cards are not available with composite

MIFARE DESFire EV1 Memory Size
☒ C - 8K Bytes DESFire EV1

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 or Indala, custom part number required
☐ F - Unprogrammed 13.56 MHz DESFire EV1 for use with iCLASS SE Encoder (custom), unprogrammed HITAG 1
☐ G - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HITAG 1, custom part number required

Front Packaging (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 - Specify Custom Artwork Number¹,²
☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹,²

13.56 MHz DESFire Card Numbering³ (Select one option)
☐ M - Sequential Matching Encoded/Printed (Inkjetted)⁵
☐ N - No Printed Card Numbering
☐ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵
☐ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵
☐ 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 Punch
IMPORTANT - MIFARE DESFire EV1 + prox credentials do not allow a slot punch due to the antenna design, use a badge holder to attach this card to a lanyard or badge clip.
☒ N - No Slot Punch

12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number
125 kHz Card Numbering³
- 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 (Laser Engraved)⁴
- B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)⁴
- C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)⁴

Option - Custom Artwork¹
- (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)

Enter your final card options from check boxes above. Example: 3850CPGGNNN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>C</th>
<th>N</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

13.56 MHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID Elite ICE #</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

| | | | | | |

125 kHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| | | | | | |

| | | | | | |

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

¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The Printed card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Proximity Programming only. Permanent unique MIFARE DESFire 56 Bit serial # cannot be printed on cards.
⁴For Laser Engraved Printed numbers, consult factory for lead times and cost.
*The composite construction is recommended for all cards with over-laminate applied.
CP1000 iCLASS SE Encoder

iCLASS SE Encoder Summary
The iCLASS SE Encoder Platform for encoding contactless credentials is:

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

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

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

iCLASS SE Encoder - How Does it Work?
The iCLASS SE Encoder solution is made up of following components:

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

iCLASS SE Encoder Ordering Basics
The iCLASS SE Encoder is available for sale without a renewable lease agreement since it utilizes a credential credit process to encode cards. Follow the 5 steps below to ensure the correct hardware, encoding and configuration card credits, programming format and keys are ordered. If at any time you require assistance, contact your local HID Global sales or pre-sales representative.
Step 1: Hardware

Part Number: CP1000D

Contains:
- USB Desktop Encoder
- Installation Guide
- USB Flash Drive containing:
  - Asure ID CP1000 Desktop Application
  - 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

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100,000</td>
<td>CRDT-K0</td>
<td>HID Prox Credential - Access Control</td>
</tr>
<tr>
<td>100,000</td>
<td>CRDT-A0</td>
<td>iCLASS Credential - Access Control</td>
</tr>
<tr>
<td>100,000</td>
<td>CRDT-A3</td>
<td>iCLASS SE Credential - Access Control</td>
</tr>
<tr>
<td>500,000</td>
<td>CRDT-A5</td>
<td>iCLASS Credential - Custom Data</td>
</tr>
<tr>
<td>30</td>
<td>CRDT-D3</td>
<td>iCLASS Seos Credential - Access Control</td>
</tr>
<tr>
<td>30</td>
<td>CRDT-D5</td>
<td>iCLASS Seos Credential - Custom Data</td>
</tr>
<tr>
<td>100,000</td>
<td>CRDT-B0</td>
<td>HID MIFARE Classic Credential - Access Control</td>
</tr>
<tr>
<td>100,000</td>
<td>CRDT-B3</td>
<td>HID MIFARE Classic Credential - Access Control (SIO)</td>
</tr>
<tr>
<td>500,000</td>
<td>CRDT-B5</td>
<td>HID MIFARE Classic Credential - Custom Data</td>
</tr>
<tr>
<td>100,000</td>
<td>CRDT-F5</td>
<td>Third Party MIFARE Classic Credential - Custom Data</td>
</tr>
<tr>
<td>100,000</td>
<td>CRDT-C3</td>
<td>HID MIFARE DESFire EV1 Credential - Access Control (SIO)</td>
</tr>
<tr>
<td>500,000</td>
<td>CRDT-C5</td>
<td>HID MIFARE DESFire EV1 Credential - Custom Data</td>
</tr>
<tr>
<td>100,000</td>
<td>CRDT-G5</td>
<td>Third Party MIFARE DESFire EV1 Credential - Custom Data</td>
</tr>
<tr>
<td>30</td>
<td>CRDT-J0</td>
<td>Configuration Card Generation</td>
</tr>
</tbody>
</table>

Formats Included

<table>
<thead>
<tr>
<th>Format</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H10301</td>
<td>26-bit (Facility code range 0-255, ID range 0-65535)</td>
</tr>
</tbody>
</table>

Sample Cards Included

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

<table>
<thead>
<tr>
<th>Seos Technology</th>
<th>Key Type</th>
<th>Programming</th>
<th>Credit Part Number</th>
<th>Chargeable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seos</td>
<td>Standard</td>
<td>SIO</td>
<td>CRDT-D3</td>
<td>NO</td>
</tr>
<tr>
<td>Seos</td>
<td>HID Elite1</td>
<td>SIO</td>
<td>CRDT-D4</td>
<td>YES</td>
</tr>
<tr>
<td>Seos</td>
<td>Key Rolling</td>
<td>N/A</td>
<td>CRDT-D6</td>
<td>NO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>iCLASS Technology</th>
<th>Key Type</th>
<th>Programming</th>
<th>Credit Part Number</th>
<th>Chargeable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>iCLASS SE (V type)</td>
<td>Standard</td>
<td>SIO</td>
<td>CRDT-A3</td>
<td>NO</td>
</tr>
<tr>
<td>iCLASS SE (V type)</td>
<td>HID Elite1</td>
<td>SIO</td>
<td>CRDT-A4</td>
<td>YES</td>
</tr>
<tr>
<td>iCLASS</td>
<td>Standard</td>
<td>Standard</td>
<td>CRDT-A0</td>
<td>NO</td>
</tr>
<tr>
<td>iCLASS</td>
<td>HID Elite1</td>
<td>Standard</td>
<td>CRDT-A1</td>
<td>YES</td>
</tr>
<tr>
<td>iCLASS</td>
<td>N/A</td>
<td>Custom Data</td>
<td>CRDT-A5</td>
<td>NO</td>
</tr>
<tr>
<td>iCLASS /iCLASS SE</td>
<td>Key Rolling</td>
<td>N/A</td>
<td>CRDT-A6</td>
<td>NO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MIFARE CLASSIC Technology</th>
<th>Key Type</th>
<th>Programming</th>
<th>Credit Part Number</th>
<th>Chargeable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIFARE CLASSIC (V Type)</td>
<td>Standard</td>
<td>SIO*</td>
<td>CRDT-B3</td>
<td>NO</td>
</tr>
<tr>
<td>MIFARE CLASSIC (V Type)</td>
<td>HID Elite1</td>
<td>SIO*</td>
<td>CRDT-B4</td>
<td>YES</td>
</tr>
<tr>
<td>MIFARE CLASSIC (V Type)</td>
<td>Standard</td>
<td>HID MIFARE</td>
<td>CRDT-B0</td>
<td>NO</td>
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<tr>
<td>MIFARE CLASSIC (V Type)</td>
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<td>Custom Data</td>
<td>CRDT-B5</td>
<td>NO</td>
</tr>
<tr>
<td>MIFARE CLASSIC/ SIO for MIFARE CLASSIC</td>
<td>Key Rolling</td>
<td>N/A</td>
<td>CRDT-B6</td>
<td>NO</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>MIFARE DESFire Technology</th>
<th>Key Type</th>
<th>Programming</th>
<th>Credit Part Number</th>
<th>Chargeable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIFARE DESFire (V Type)</td>
<td>Standard</td>
<td>SIO*</td>
<td>CRDT-C3</td>
<td>NO</td>
</tr>
<tr>
<td>MIFARE DESFire (V Type)</td>
<td>HID Elite1</td>
<td>SIO*</td>
<td>CRDT-C4</td>
<td>YES</td>
</tr>
<tr>
<td>MIFARE DESFire (V Type)</td>
<td>N/A</td>
<td>Custom Data</td>
<td>CRDT-C5</td>
<td>NO</td>
</tr>
<tr>
<td>MIFARE DESFire/ SIO for MIFARE DESFire</td>
<td>Key Rolling</td>
<td>N/A</td>
<td>CRDT-C6</td>
<td>NO</td>
</tr>
</tbody>
</table>

*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.

<table>
<thead>
<tr>
<th>Configuration Card</th>
<th>Key Type</th>
<th>Programming</th>
<th>Credit Part Number</th>
<th>Chargeable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE Reader Configuration</td>
<td>N/A</td>
<td>Configuration Data</td>
<td>CRDT-J0</td>
<td>NO</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>Key Type</th>
<th>Programming</th>
<th>Credit Part Number</th>
<th>Chargeable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIFARE Classic</td>
<td>Standard</td>
<td>SIO</td>
<td>CRDT-F3</td>
</tr>
<tr>
<td>MIFARE Classic</td>
<td>HID Elite1</td>
<td>SIO</td>
<td>CRDT-F4</td>
</tr>
<tr>
<td>MIFARE Classic</td>
<td>Standard</td>
<td>HID MIFARE</td>
<td>CRDT-F0</td>
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<tr>
<td>MIFARE Classic</td>
<td>N/A</td>
<td>Custom Data</td>
<td>CRDT-F5</td>
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</table>

### MIFARE DESFire Technology

<table>
<thead>
<tr>
<th>Key Type</th>
<th>Programming</th>
<th>Credit Part Number</th>
<th>Chargeable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIFARE DESFire</td>
<td>Standard</td>
<td>SIO</td>
<td>CRDT-G3</td>
</tr>
<tr>
<td>MIFARE DESFire</td>
<td>HID Elite1</td>
<td>SIO</td>
<td>CRDT-G4</td>
</tr>
<tr>
<td>MIFARE DESfire</td>
<td>N/A</td>
<td>Custom Data</td>
<td>CRDT-C5</td>
</tr>
</tbody>
</table>

Reader Compatibility Table

<table>
<thead>
<tr>
<th>Credential Part Number</th>
<th>Reader Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRDT-A0</td>
<td>iCLASS Rev A, B, C &amp; iCLASS SE interpreter type “T” with keyset “0”</td>
</tr>
<tr>
<td>CRDT-A1</td>
<td>iCLASS Rev A, B, C &amp; iCLASS SE interpreter type “T” and matching Elite ICE keyset</td>
</tr>
<tr>
<td>CRDT-A3, CRDT-B3, CRDT-C3, CRDT-D3, CRDT-F3, CRDT-G3, CRDT-H3</td>
<td>iCLASS SE readers only interpreter type “T” or “N” with keyset “0” or “2”</td>
</tr>
<tr>
<td>CRDT-A4, CRDT-B4, CRDT-C4, CRDT-D4, CRDT-F4, CRDT-G4, CRDT-H4</td>
<td>iCLASS SE readers only interpreter type “T” or “N” with matching Elite ICE keyset</td>
</tr>
<tr>
<td>CRDT-A5</td>
<td>iCLASS Rev A, B, C &amp; iCLASS SE</td>
</tr>
<tr>
<td>CRDT-F0</td>
<td>HID 6055B, FlexSmart™ 6071/6072, Smart ID 8030DSHM/8031DSHM (HID MIFARE Only) and specific models of iCLASS SE.</td>
</tr>
<tr>
<td>CRDT-B5, CRDT-C5, CRDT-F5, CRDT-G5</td>
<td>iCLASS SE Migration readers only with matching custom key and mapper profile</td>
</tr>
<tr>
<td>CRDT-K0</td>
<td>HID Prox compatible readers including multiCLASS</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Format Part Number</th>
<th>Format Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRMT-J1</td>
<td>HID open/tracked or OEM formats</td>
</tr>
<tr>
<td>FRMT-J2</td>
<td>HID Corporate 1000 formats</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>Start Number</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRMT-J1</td>
<td>H10301</td>
<td>Facility Code</td>
<td>99</td>
<td>1,001</td>
<td>500</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Format Number</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>Start Number</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRMT-J1</td>
<td>H10304</td>
<td>Facility Code</td>
<td>99</td>
<td>N/A</td>
<td>500</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Format Number</th>
<th>Company ID Code Value</th>
<th>Start Number</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRMT-J2</td>
<td>H200404045</td>
<td>4095</td>
<td>N/A</td>
<td>10,000</td>
</tr>
</tbody>
</table>
Step 4: Select Additional Keysets

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

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

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

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

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

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

Part numbers for these cards are:
- 0501600475-READER - used for reader configuration
- 0501600475-ELITE - used for HID Elite key preparation.

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

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

<table>
<thead>
<tr>
<th>Keysets</th>
<th>Security</th>
<th>Credit Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seos Media Keyset</td>
<td>HID Standard</td>
<td>CKEYMED-SEOS-0</td>
</tr>
<tr>
<td>iCLASS Media Keyset</td>
<td>HID Standard</td>
<td>CKEYMED-ICL-0</td>
</tr>
<tr>
<td>MIFARE Classic Media Keyset</td>
<td>HID Standard</td>
<td>CKEYMED-MIF-0</td>
</tr>
<tr>
<td>MIFARE DESFire Media Keyset</td>
<td>HID Standard</td>
<td>CKEYMED-DES-0</td>
</tr>
<tr>
<td>Reader Configuration Keyset</td>
<td>HID Standard</td>
<td>CKEYCFG-0</td>
</tr>
<tr>
<td>SIO Keyset</td>
<td>HID Standard</td>
<td>CKEYSIO-0</td>
</tr>
</tbody>
</table>
### 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.

<table>
<thead>
<tr>
<th>Keysets</th>
<th>Security</th>
<th>Keyset Part Number</th>
<th>Chargeable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seos Media Keyset</td>
<td>HID Elite</td>
<td>CKEYMED-SEOS-1</td>
<td>NO</td>
</tr>
<tr>
<td>iCLASS Media Keyset</td>
<td>HID Elite</td>
<td>CKEYMED-ICL-1</td>
<td>NO</td>
</tr>
<tr>
<td>MIFARE Classic Media Keyset</td>
<td>HID Elite</td>
<td>CKEYMED-MIF-1</td>
<td>NO</td>
</tr>
<tr>
<td>MIFARE DESFire Media Keyset</td>
<td>HID Elite</td>
<td>CKEYMED-DES-1</td>
<td>NO</td>
</tr>
<tr>
<td>Reader Configuration Keyset</td>
<td>HID Elite</td>
<td>CKEYCFG-1</td>
<td>NO</td>
</tr>
</tbody>
</table>
### Step 5: Encoder Order Form

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

#### Hardware

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP1000D</td>
<td>CP1000D USB encoder with H10301, standard keys and default credits</td>
<td></td>
</tr>
</tbody>
</table>

#### Existing CP1000 Serial Number - [Only required to order formats, credits and keysets for an existing encoder]

| Serial Number (found on underside of USB device or inside door/bottom of printer): | CP |

#### Additional Credits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRDT-</td>
<td></td>
</tr>
<tr>
<td>CRDT-</td>
<td></td>
</tr>
<tr>
<td>CRDT-</td>
<td></td>
</tr>
<tr>
<td>CRDT-</td>
<td></td>
</tr>
<tr>
<td>CRDT-</td>
<td></td>
</tr>
</tbody>
</table>

#### Additional Open, Tracked of OEM Formats¹²

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Format Number</th>
<th>Field Names</th>
<th>Value</th>
<th>ID Start Number</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRMT-J1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Format Number</th>
<th>Field Names</th>
<th>Value</th>
<th>ID Start Number</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRMT-J1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Format Number</th>
<th>Field Names</th>
<th>Value</th>
<th>ID Start Number</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRMT-J1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Additional Corporate 1000 Formats³⁴

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Format Number</th>
<th>Company ID Code</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRMT-J2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FRMT-J2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FRMT-J2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Additional HID Elite Media Keysets⁵

<table>
<thead>
<tr>
<th>Part Number</th>
<th>ICE Key #</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CKEYMED- -1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CKEYMED- -1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CKEYMED- -1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

#### Additional HID Elite Reader Configuration Keyset⁶⁷

<table>
<thead>
<tr>
<th>Part Number</th>
<th>ICE Key #</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CKCFG- -1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CKCFG- -1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CKCFG- -1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

---

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

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

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

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

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

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

Overview

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

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

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

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

HID Global Product Configurator: [https://www.hidglobal.com/configure](https://www.hidglobal.com/configure)

Credentials Marking
For information on Card Identification Markings, please see the “Card Identification Application note”, available for download at [https://www.hidglobal.com/node/23025](https://www.hidglobal.com/node/23025)

Embedding Capability
All Cards should be embedded on the Front Only. If the Partner/End User wishes to embed on the back of the card, please note that a custom part number would be required.

For other Credential information click on the links below:

- [What should I know about security keysets?](https://www.hidglobal.com/configure)
- [How can I order HID Elite configured credentials?](https://www.hidglobal.com/configure)
- [How can I migrate from my current credential technology?](https://www.hidglobal.com/configure)
- [Understanding Credential Formats](https://www.hidglobal.com/configure)
- [Understanding Credential Programming](https://www.hidglobal.com/configure)
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  501 Composite 40% Polyester / PVC 60%

iCLASS Memory Size and Allocation
- 5 - 16K Bytes
- 6 - 8K Bytes

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

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  N - No Slot Punch

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: 501P5GNN

Final Part Number | 501 | P | N | - | (Options #)
iCLASS Seos Card Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) (e.g. Facility Code)</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICE Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Special Instructions:

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

¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The external card number is placed in the bottom right-hand corner on the back of the card.
⁴Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for detail.
Seos + Prox Embeddable Card - 511
Migration solution from proximity to high security for support in HID Signo or iCLASS SE reader platform.
Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model  511 Composite 40% Polyester / PVC

iCLASS Memory Size and Allocation
- □ 5 - 16K Bytes
- □ 6 - 8K Bytes

Secure Identity Object Programming (Select one option)
- □ P - Programmed with Security Identity Object (SIO), Prox non programmed
- □ R - Both interfaces programmed: iCLASS Seos with Security Identity Object (SIO), Prox programmed with HID format
- □ V - 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 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

13.56 MHz iCLASS Card Numbering³ (Select one option)
- □ N - No External Card Numbering
- □ A - Sequential Matching Internal/External (Laser Engraved)
- □ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)
- □ C - Random Internal/Non-Matching Sequential External (Laser Engraved)

Slot Punch
- □ N - No Slot Punch

125 kHz Card Numbering³ (Select one option)
- □ N - No External Card Numbering
- □ A - Sequential Matching Internal/External (Laser Engraved)
- □ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)
- □ C - Random Internal/Non-Matching Sequential External (Laser Engraved)

Option - Custom Artwork¹
- □ (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)
<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>511</th>
<th>N</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

### iCLASS Seos Card Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s)</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td>e.g. Facility Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICE Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 125 kHz Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s)</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td>e.g. Facility Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Special Instructions:**

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

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

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

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

⁴Available with 7 byte static UID for ISO14443A UID migration and interoperability. This feature reduces privacy and is not recommended. Contact your local sales or pre-sales representative for detail.
Embeddable iCLASS SE Credentials

iCLASS SE Embeddable Card - 301
These embeddable cards offer heightened security for installations that do not contain standard iCLASS credentials. This card is SIO only, it is not loaded with standard data payload and for this reason is not compatible with non iCLASS SE readers.

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

**Base Model**

□ 301 Composite 40% Polyester / PVC*

**iCLASS Memory Size and Allocation (Check One)**

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

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

□ 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

**Secure Identity Object Programming**

□ P - Programmed with Security Identity Object (SIO)

□ V - Unprogrammed, for use with iCLASS SE Encoder

**Front Packaging (Select one option)**

□ G - Plain White with Gloss Finish²

□ 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

**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 (Select one option)**

□ N - No Slot Punch (Printed location of vertical slot punch will remain)

□ V - Vertical Slot Punch

□ B - No Slot Punch - Horizontal Punch compatible (Printed location of Vertical and Horizontal slot punch will remain)⁵

□ H - Horizontal Slot Punch⁵

**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: 3014PGGAN

| Final Part Number | P | - | (Options #) |

---

*SHARED CARD EDGE

²Specified artwork number is required

¹Refer to Custom Artwork Forms for new artwork

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

³Note: 305 credential image may vary

⁴Printed location of vertical slot punch will remain

⁵Printed location of Vertical and horizontal slot punch will remain

Final Part Number

P

- (Options #)
### iCLASS Card Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) (e.g. Facility Code)</th>
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<tr>
<td>ICE Number</td>
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</table>

Special Instructions:

¹ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³ The external card number is placed in the bottom right-hand corner on the back of the card.
⁴ 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.
HID
Powering
Trusted Identities

Readers and Credentials How to Order Guide

iCLASS SE + Prox Embeddable Card - 311
Maximized compatibility with added security into installations that DO contain standard Prox credentials. This card is SIO only, it is not loaded with standard data payload and for this reason is not compatible with non iCLASS SE readers.

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

Base Model
☐ 311 Composite 40% Polyester / PVC*

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

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

Front Packaging (Select one option)
☐ G - Plain White with Gloss Finish²
☐ 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

13.56 MHz iCLASS Card Numbering³ (Select one option)
☐ N - No External Card Numbering
☐ A - Sequential Matching Internal/External (Laser Engraved)
☐ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)
☐ C - Random Internal/Non-Matching Sequential External (Laser Engraved)

Slot Punch⁴ (Select one option)
☐ N - No Slot Punch (Printed location of vertical slot punch will remain)
☐ V - Vertical Slot Punch

125 kHz Card Numbering⁵ (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)

Option - Custom Artwork¹
☐ (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)
Enter your final card options from check boxes above. Example: 3114PGGNNN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>P</th>
<th>-</th>
<th>(Options #)</th>
</tr>
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### iCLASS Card Programming Information

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### 125 kHz Card Programming Information

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</table>

**Special Instructions:**

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

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)

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

Card Programming (Select one option)

□ R - iCLASS programmed with Secure Identity Object (SIO),
  2nd Technology programmed with Secure Identity Object (SIO).
□ P - iCLASS programmed with Secure Identity Object (SIO),
  2nd Technology unprogrammed for use with iCLASS SE encoder
  (HID MIFARE or custom encoding).
□ K - iCLASS programmed with Secure Identity Object (SIO),
  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,
  2nd Technology unprogrammed for use With iCLASS SE encoder
  (HID MIFARE or custom encoding).
□ V - iCLASS unprogrammed for use with iCLASS SE Encoder,
  2nd Technology unprogrammed for use with iCLASS SE encoder
  (SIO, HID MIFARE or custom encoding).

2nd High Frequency Technology (Select one option)

□ M - MIFARE 1K Bytes (only available with iCLASS 2k bits)
□ N - MIFARE 4K Bytes
□ K - MIFARE DESFire EV1 8K 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
IMPORTANT – Dual High Frequency credentials do not allow a slot punch due to the antenna design. Use a badge holder to attach this card to a lanyard or badge clip.
☒ N - No Slot Punch

2nd High Frequency Technology Card Numbering³ (Check One)
☐ N - No External Card Numbering
☐ A - Sequential Matching Internal/External (Laser Engraved)
☐ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)
☐ W - UID (CSN) HEX numbering only (Engraved): 7 bytes UID⁴
☐ X - UID (CSN) Decimal numbering only (Engraved): 7 bytes UID⁴

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: 3924PNGGANN

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iCLASS Programming Information

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2nd 13.56 MHz Programming Information

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</table>

Special Instructions:
¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for the second technology on the back of the card.
⁴MIFARE Classic UID length is by default 4 bytes, 7 bytes for MIFARE DESFire EV1.
*The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.
iCLASS SE + Other 13.56MHz + Prox Embeddable Card - 397

The SIO-enabled card with MIFARE or MIFARE DESFire embeddable smart card as well as HID Proximity offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects.

This card offers maximized compatibility with added security into installations that DO not contain standard iCLASS or MIFARE/MIFARE DESFire credentials.

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

**Base Model**

- 397 Composite 40% 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

**13.56 MHz Technology Card Programming (Select one option)**

- R - iCLASS programmed with Secure Identity Object (SIO), 2nd Technology programmed with Secure Identity Object (SIO).
- P - iCLASS programmed with Secure Identity Object (SIO), 2nd Technology unprogrammed for use with iCLASS SE encoder (HID MIFARE or custom encoding).
- A - iCLASS unprogrammed for use with iCLASS SE Encoder, 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).

**2nd High Frequency (13.56 MHz) Technology (Select one option)**

- M - MIFARE 1K Bytes (only available with iCLASS 2k bits)
- N - MIFARE 4K Bytes
- K - MIFARE DESFire EV1 8K Bytes

**125 kHz Technology Card Programming (Select one option)**

- P - “HID Prox” Programmed 125 kHz Technology. Specify Programming Information.
- C - “Indala/Casi Prox” Programmed 125 kHz Technology. Specify Programming Information.
- N - Initialized 125 kHz Technology. Programming Information Not Required.

**Front Packaging (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

---

12345 = Card ID Number
YYYYYYYY-YY = Sales Order Number
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 Frequency credentials do not allow a slot punch due to the antenna design. Use a badge holder to attach this card to a lanyard or badge clip.
- N - No Slot Punch

2nd High Frequency Technology 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)
- W - UID (CSN) HEX numbering only (Engraved): 7 bytes UID⁴
- X - UID (CSN) Decimal numbering only (Engraved): 7 bytes UID⁴

125 kHz Card Numbering³ (Select one option)
- N - No External Card Numbering
- A - Sequential Matching Internal/External (Laser Engraved)
- B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)
- C - Random Internal/Non-Matching Sequential External (Laser Engraved)

Option - Custom Artwork¹
(Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)

Enter your final card options from check boxes above. Example: 3974PNPGGNNNA

Final Part Number | N | - (Options #)

iCLASS Programming Information

<table>
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### 2nd 13.56 MHz Programming Information

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### 125 kHz Programming Information

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¹For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.
²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.
⁴MIFARE Classic UID length is by default 4 bytes, 7 bytes for MIFARE DESFire EV1.
*The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.
# 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
- **3** - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- **4** - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

### Programming (Select one option)

- **HP** - Programmed with Security Identity Object (SIO) and standard iCLASS Access Control Application (Recommended)
- **C** - Configured, Non-Programmed iCLASS. Programming Information Not Required
- **P** - Programmed iCLASS. Specify Programming Information

### Front Packaging (Select one option)

- **G** - Plain White with Gloss Finish
- **C** - Custom Artwork/Contact Module with Gloss Finish - Specify Custom Artwork/Contact Module Number

### Back Packaging (Select one option)

- **G** - Plain White with Gloss Finish
- **C** - Custom Artwork with Gloss Finish - Specify Custom Artwork Number
- **1** - Plain White with Gloss Finish with Magnetic Stripe
- **3** - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number

### Card Numbering (Select one option)

- **N** - No External Card Numbering
- **A** - Sequential Matching Internal/External (Engraved)
- **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)
- **C** - Random Internal/Non-Matching Sequential External (Laser Engraved)

### Slot Punch

- **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)
- **V** - Vertical Slot Punch

### 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: 211CGGNN

<table>
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<tr>
<th>Final Part Number</th>
<th>211</th>
<th></th>
<th></th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

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*Contact chip not included*

---

*Optional Contact Smart Chip Module (Front Only)*

---

*Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe)*

---

12345 = Card ID Number

YYYYYYYY-YY = Sales Order Number

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October 2020

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PLT-02630, Rev. C.6
iCLASS Card Programming Information

<table>
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</tr>
</tbody>
</table>

PIN: □ Sequential: Start# __________ □ Random: Length __________

Special Instructions: ____________________________

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

¹For new artwork files, contact Customer Service for custom artwork number, lead times and cost.
²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The external card number is placed in the bottom right-hand corner on the back of the card.
⁴Cards are provided with an optional vertical slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.
*The composite construction is recommended for all cards that will have an over-laminate applied. Consult with the printer manufacturer prior to ordering.
iCLASS + Prox Embeddable Card - 213

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

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

Programming (Select one option)

☐ HP - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 25 kHz Unprogrammed
☐ HB - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 125 kHz programmed with HID Prox or Indala format.
☐ P - Programmed with standard iCLASS access control application, 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.
☐ A - iCLASS Unprogrammed, for use with iCLASS SE Encoder, 125 kHz programmed with HID Prox or Indala format.
☐ M - iCLASS Programmed, HITAG2 blank.
☐ I - iCLASS configured field programmable, HITAG2 blank.

Front Packaging (Select one option)

☐ G - Plain White with Gloss Finish
☐ C - Custom Artwork/Contact Module with Gloss Finish - Specify Custom Artwork/Contact Module Number

Back Packaging (Select one option)

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

iCLASS Card Numbering (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

☐ N - No Slot Punch. (Printed location of vertical slot punch will remain)
☐ V - Vertical Slot Punch
125 kHz Card Numbering³ (Check One)
- N - No External Card Numbering
- A - Sequential Matching Internal/External (Laser Engraved)
- B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)
- C - Random Internal/Non-Matching Sequential External (Laser Engraved)

**Option - Custom Artwork¹**
(Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)

Enter your final card options from check boxes above. Example: 2133CGGNNN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>Options #</th>
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**iCLASS Programming Information**

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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PIN:** □ Sequential: Start# □ Random: Length □

**125 kHz Programming Information**

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Special Instructions:**

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

¹For new artwork files, contact Customer Service for custom artwork number, lead times and cost.
²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in bottom center for 125 kHz Prox on the back of the card.
⁴Cards are provided with an optional vertical slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.
⁵Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2150PGGNNN.
⁶The composite construction is recommended for all cards that will have an over-laminate applied. Consult with the printer manufacturer prior to ordering.
iCLASS + Other HF Embeddable Card - 243

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

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

Card Programming (Select one option)

- **J** - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology programmed with Security Identity Object (SIO).
- **H** - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology unprogrammed.
- **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 control application, 2nd Technology unprogrammed.
- **C** - Unprogrammed iCLASS, for use with iCLASS SE Encoder, Non-programmed 2nd Technology.
- **A** - iCLASS unprogrammed, for use with iCLASS SE Encoder, 2nd Technology programmed with HID MIFARE (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
- **K** - MIFARE DESFire EV1 8K 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 Stripe³
- **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)

Note: Illustrated marking is for DESFire cards. MIFARE Classic cards indicate MIFARE 12345 YYYYYYYY-YY

Optional Magnetic Stripe (1/2” HICO/High Energy - 4000 Oe)

Optional Contact Smart Card Module (Front Only)

Module not included

Front Packaging

Back Packaging

Note: Illustrated marking is for DESFire cards. MIFARE Classic cards indicate MIFARE 12345 YYYYYYYY-YY

Optional Magnetic Stripe (1/2” HICO/High Energy - 4000 Oe)

125 kHz#  iCLASS #
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.

[X] N - No Slot Punch.

2nd High Frequency Technology Card Numbering (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)

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: 243PNGGNNN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>243</th>
<th>N</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

iCLASS Programming Information

<table>
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<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICE Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PIN: [ ] Sequential: Start# ________ [ ] Random: Length ________

2nd 13.56 MHz Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICE Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Special Instructions:

¹For new artwork files, contact Customer Service for custom artwork number, lead times and cost.
²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The external card number is placed in the bottom right-hand corner 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 (only available with MIFARE CLASSIC 1K)
- 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1
- 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1

Card Programming (Select one option)
- J - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology programmed with Security Identity Object (SIO).
- H - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology unprogrammed.
- 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).
- 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 control application, 2nd Technology unprogrammed.
- C - iCLASS unprogrammed, for use with iCLASS SE Encoder, 2nd Technology unprogrammed.
- A - iCLASS unprogrammed, for use with iCLASS SE Encoder, 2nd Technology programmed with HID MIFARE (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
- K - MIFARE DESFire EV1 8K 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

Optional Magnetic Stripe
1/2” HICO/High Energy - 4000 Oe

Notes:
1. Illustrated marking is for DESFire cards. MIFARE Classic cards indicate MIFARE 12345 YYYYYYYY-YY
2. Optional Contact Smart Card Module (Front Only)
3. Module not included
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 Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip.
☒ N - No Slot Punch.

2nd High Frequency Technology Card 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)

3rd High Frequency Technology 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)

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: 2634JNPAGANNN

Final Part Number | 263 | P | N | - | (Options #)

iCLASS 13.56 MHz Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICE Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PIN: ☐ Sequential: Start# __________ ☐ Random: Length __________
## 2nd 13.56 MHz Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) (e.g. Facility Code)</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Special Instructions:**

## 125 kHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) (e.g. Facility Code)</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Special Instructions:**

¹For new artwork files, contact Customer Service for custom artwork number, lead times and cost.
²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner. number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The 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 Composite 40% Polyester / PVC

Programming (Select one option)
- L - Programmed, Low Frequency (125 kHz).
- N - Non-Programmed, Low Frequency (125 kHz).

Front Packaging (Select one option)
- G - Plain White with Gloss Finish
- C - Custom Artwork with Gloss Finish

Back Packaging (Select one option)
- G - Plain White PVC with Gloss Finish
- C - Custom Artwork with Gloss Finish

Card Numbering (Select one option)
- N - No External Card Numbering
- A - Sequential Matching Internal/External (Engraved)
- B - Sequential Internal/Sequential Non-Matching External (Engraved)
- C - Random Internal/Non-Matching Sequential External (Engraved)

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

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: 1597LGGAN

| Final Part Number | 1597 | | | | | (Options #) |

125 kHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
<td></td>
<td>Printed Start Number</td>
<td>Printed Stop Number</td>
</tr>
</tbody>
</table>

Special Instructions:______________________________________________________

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

Reserved for Contact Smart Chip Module (Embed on Front Only)

Contact chip not included.

Front Packaging

3.370" (8.57 cm)

0.033" (0.084 cm)

Back Packaging

2.125" (5.4 cm)

12345 YYYYYYYYY-YY

SHARED CARD EDGE

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

Contact chip not included.

Back Packaging

Reserved for Contact Smart Chip Module (Embed on Front Only)

Smart ISOProx® II Card - 1597

October 2020
For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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

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

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

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

*The composite construction is recommended for all cards that will have an over-laminate applied.
Smart DuoProx® II Card - 1598

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

**Base Model**  
1598 Composite 40% Polyester / PVC

### Programming (Select one option)
- **L**: Programmed, Low Frequency (125 kHz). Specify Programming Information.
- **N**: Non-Programmed, Low Frequency (125 kHz). Programming Information Not Required.

### 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 PVC with Gloss Finish²
- **C**: Custom Artwork with Gloss Finish – Specify Custom Artwork Number²

### Card Numbering³ (Select one option)
- **N**: No External Card Numbering
- **A**: Sequential Matching Internal/External (Engraved)
- **B**: Sequential Internal/Sequential Non-Matching External (Engraved)
- **C**: Random Internal/Non-Matching Sequential External (Engraved)

### Slot Punch⁴ (Select one option)
- **N**: No Slot Punch (Printed location of vertical slot punch will remain)
- **V**: Vertical Slot Punch

### 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: 1598LGGAN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>1598</th>
<th></th>
<th></th>
<th></th>
<th>(Optional Artwork #)</th>
</tr>
</thead>
</table>

### 125 kHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
<td></td>
<td>Printed Start Number</td>
<td>Printed Stop Number</td>
</tr>
</tbody>
</table>

**Special Instructions:**

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.
¹For new artwork files, contact Customer Service for custom artwork number, lead times and cost.

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

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

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

*The composite construction is recommended for all cards that will have an over-laminate applied.
Embeddable MIFARE Classic and MIFARE DESFire Credentials

MIFARE Embeddable Card - 345 / 1436 / 1446

Encompasses the industry’s broadest range of open standard contactless smart card products. Provides the memory structure and capacity to store multiple applications on a single credential. All MIFARE Classic cards can be ordered with or without SIO encoding.

Use of a 1430, 1440, 1436, or 1446 for SIO encoding using the CP1000 will consume a chargeable credit.

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

MIFARE Classic cards with SIO encoding (Recommended)

☐ 3450 (1K) Composite 40% Polyester/PVC
☐ 3456 (4K) Composite 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.

*M A marker is placed in sector 6 and will not be available for other data

MIFARE Classic Cards without SIO encoding

☐ 1436 (1K) Composite Polyester / PVC
☐ 1446 (4K) Composite Polyester 40% / PVC

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

Front Packaging (Select one option)

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
☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹²
☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe Specify Custom Artwork Number¹²

Card Numbering³ (Select one option)

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

Slot Punch⁵ (Select one option)

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

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: 1430NEGNN

Final Part Number E - (Options #)
13.56 MHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s)</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>e.g. Facility Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Special Instructions:

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

¹For new artwork files, contact Customer Service for custom artwork number, lead times, and cost.
²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The external card number is placed in the bottom right-hand corner on the back of the card on Prox Format Programming only. Permanent Unique MIFARE 32 Bit serial # cannot be printed on cards.
⁴When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).
⁵Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.
⁶Includes a permanent Unique MIFARE 32 Bit Serial number.
*The composite construction is recommended for all cards with over-laminate applied.
Powering Trusted Identities

MIFARE + Prox Embeddable Card - 355 / 1437 / 1447

Encompasses the industry’s broadest range of open standard contactless smart card products. Provides the memory structure and capacity to store multiple applications on a single credential with the addition of Proximity technology for easier migration. All MIFARE Classic + Prox cards can be ordered with or without SIO encoding. Use of a 1431, 1441, 1437, or 1447 for SIO encoding using the CP1000 will consume a chargeable credit.

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

<table>
<thead>
<tr>
<th>MIFARE Classic + Prox card with SIO encoding (Recommended)</th>
<th>OR</th>
<th>MIFARE Classic + Prox card without SIO encoding</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 3550 (1K) Composite 40% Polyester/PVC*</td>
<td></td>
<td>□ 1437 (1K) Composite 40% Polyester / PVC*</td>
</tr>
<tr>
<td>□ 3556 (4K) Composite 40% Polyester/PVC*</td>
<td></td>
<td>□ 1447 (4K) Composite 40% Polyester / PVC*</td>
</tr>
</tbody>
</table>

**Programming* (Select one option)**

- □ P - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder
- □ R - Programmed 13.56 MHz Security Identity Object (SIO) for MIFARE Classic, programmed 125 kHz with HID Prox or Indala format
- □ V - Unprogrammed 13.56 MHz SIO for MIFARE (for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder

*A marker is placed in sector 6 and will not be available for other data

**Front Packaging (Select one option)**

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

**13.56 MIFARE Card Numbering³ (Select one option)**

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

**Slot Punch⁵ (Select one option)**

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

---

12345 = Card ID Number
YYYYYYYYYY-YY = Sales Order Number
125 kHz Prox 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

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: 1441NEGNNN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>E</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

13.56 MHz Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

125 kHz Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Special Instructions:

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

¹For new artwork files, contact Customer Service for custom artwork number, lead times, and cost.
²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The external card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Prox Programming only. Permanent unique MIFARE 32 Bit serial # cannot be printed on cards.
⁴When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).
⁵Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.
⁶Includes a permanent Unique MIFARE 32 Bit Serial number.
*The composite construction is recommended for all cards with over-laminate applied.
### MIFARE 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 ordered 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

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>□</td>
<td>3750 Composite 40% Polyester/PVC*</td>
</tr>
<tr>
<td>□</td>
<td>MIFARE DESFire EV1 Memory Size</td>
</tr>
<tr>
<td>□</td>
<td>C - 8K Bytes MIFARE DESFire EV1</td>
</tr>
<tr>
<td>□</td>
<td>Programming</td>
</tr>
<tr>
<td>□</td>
<td>P - Programmed Security Identity Object (SIO) for MIFARE DESFire EV1</td>
</tr>
<tr>
<td>□</td>
<td>V - Unprogrammed Secure Identity object (SIO) for DESFire EV1, for use with iCLASS SE Encoder (SIO)</td>
</tr>
</tbody>
</table>

#### Card without SIO encoding

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>□</td>
<td>1456 Composite 40% Polyester/PVC*</td>
</tr>
<tr>
<td>□</td>
<td>MIFARE DESFire EV1 Memory Size</td>
</tr>
<tr>
<td>□</td>
<td>C - 8K Bytes MIFARE DESFire EV1</td>
</tr>
<tr>
<td>□</td>
<td>Programming (Select one option)</td>
</tr>
<tr>
<td>□</td>
<td>N - Unprogrammed 13.56 MHz DESFire EV1 for use with iCLASS SE Encoder (custom)</td>
</tr>
<tr>
<td>□</td>
<td>S - Custom MIFARE DESFire EV1 programming – requires custom part number</td>
</tr>
</tbody>
</table>

#### Front Packaging (Select one option)

If Custom Artwork is desired, specify Custom Artwork Number below¹

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>□</td>
<td>E - Contact Module Embeddable Plain Gloss White Finish</td>
</tr>
</tbody>
</table>

#### Back Packaging (Select one option)

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>□</td>
<td>G - Plain White with Gloss Finish²</td>
</tr>
<tr>
<td>□</td>
<td>1 - Plain White with Gloss Finish with Magnetic Stripe²</td>
</tr>
<tr>
<td>□</td>
<td>C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹²</td>
</tr>
<tr>
<td>□</td>
<td>3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹²</td>
</tr>
</tbody>
</table>

#### Card Numbering³ (Select one option)

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>□</td>
<td>N - No External Card Numbering</td>
</tr>
<tr>
<td>□</td>
<td>A - Sequential Matching Internal/External (Laser Engraved)⁴</td>
</tr>
<tr>
<td>□</td>
<td>B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴</td>
</tr>
<tr>
<td>□</td>
<td>C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴</td>
</tr>
<tr>
<td>□</td>
<td>Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)⁴</td>
</tr>
</tbody>
</table>

#### Slot Punch⁵ (Select one option)

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>□</td>
<td>N - No Slot Punch (Printed location of vertical slot punch will remain)</td>
</tr>
<tr>
<td>□</td>
<td>V - Vertical Slot Punch</td>
</tr>
</tbody>
</table>

#### Option - Custom Artwork¹

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>□</td>
<td>(Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)</td>
</tr>
</tbody>
</table>

Enter your final card options from check boxes above. Example: 1456CNEGNN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>1456</th>
<th>C</th>
<th>E</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

---

1. Custom Artwork Number
2. Magnetic Stripe 1/2” HICO/High Energy - 4000 Oe
3. Optional Contact Smart Card Module (Front or Back side)
4. Contact chip not included
5. Contact chip not included

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October 2020 157 PLT-02630, Rev. C.6
## 13.56 MHz Card Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Special Instructions:

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

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

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

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

4Please update Format - Reference Page 112 from PACS HTOG PLT-02630. should show two columns of the base item and programming.

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

6Includes a permanent Unique MIFARE 56 Bit Serial number.
MIFARE DESFire + Prox Embeddable Card - 385 / 1457

Based on open global standards for security, and is interoperable with existing MIFARE DESFire infrastructures with the addition of Proximity technology for easier migration. All MIFARE DESFire EV1 cards can be order either with or without SIO encoding. Use of a1451 or 1457 for SIO encoding using the CP1000 will consume a chargeable credit.

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

<table>
<thead>
<tr>
<th>Card with SIO encoding + Prox (Recommended)</th>
<th>OR</th>
<th>Card without SIO encoding + Prox</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 3850 Composite 40% Polyester/PVC*</td>
<td></td>
<td>□ 1457 Composite 40% Polyester/PVC*</td>
</tr>
<tr>
<td>MIFARE DESFire EV1 Memory Size</td>
<td></td>
<td>*HITAG based cards are not available with composite</td>
</tr>
<tr>
<td>□ C - 8K Bytes DESFire EV1</td>
<td></td>
<td>MIFARE DESFire EV1 Memory Size</td>
</tr>
<tr>
<td>Programming (Select one option)</td>
<td></td>
<td>□ C - 8K Bytes DESFire EV1</td>
</tr>
<tr>
<td>□ P - Programmed 13.56 MHz with Security Identity Object (SIO)</td>
<td></td>
<td>Programming (Select one option)</td>
</tr>
<tr>
<td>for MIFARE DESFire EV1, unprogrammed 125 kHz HID Prox</td>
<td></td>
<td>□ L - Programmed 125 kHz HID Prox or Indala, unprogrammed 13.56 MHz DESFire EV1 for SE Encoder (custom).</td>
</tr>
<tr>
<td>(for use with iCLASS SE Encoder)</td>
<td></td>
<td>□ N - Unprogrammed 13.56 MHz DESFire EV1 for iCLASS SE Encoder (custom), unprogrammed 125 kHz HID Prox for iCLASS SE Encoder.</td>
</tr>
<tr>
<td>□ R - Programmed 13.56 MHz with Security Identity Object (SIO)</td>
<td></td>
<td>□ S - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HID Prox for iCLASS SE Encoder, custom part number required</td>
</tr>
<tr>
<td>for MIFARE DESFire EV1, programmed 125 kHz Prox or Indala</td>
<td></td>
<td>□ R - Custom programmed 13.56 MHz, programmed 125 kHz HID Prox or Indala, custom part number required</td>
</tr>
<tr>
<td>□ 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.</td>
<td></td>
<td>□ F - Unprogrammed 13.5 kHz DESFire EV1 for use with iCLASS SE Encoder (custom), unprogrammed HITAG 1</td>
</tr>
<tr>
<td>□ S - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HITAG 1, custom part number required</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 Number¹² |
| □ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹² |

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 |

---

13.56 MHz#125 KHz# 12345 YYYYYYYY-YY = Card ID Number

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

12345 = Card ID Number

YYYYYYYY-YY = Sales Order Number
### 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

#### 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: 1457CNEGNNN

<table>
<thead>
<tr>
<th>Final Part Number</th>
<th>1457</th>
<th>C</th>
<th>E</th>
<th>-</th>
<th>(Options #)</th>
</tr>
</thead>
</table>

#### 13.56 MHz Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
<th>Encoded Stop Number</th>
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<td>Bit Numbers (e.g. 26 bit)</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Printed Start Number</th>
<th>Printed Stop Number</th>
</tr>
</thead>
</table>

#### 125 kHz Programming Information

<table>
<thead>
<tr>
<th>Format Number (e.g. H10301)</th>
<th>Field Name(s) e.g. Facility Code</th>
<th>Value</th>
<th>QTY</th>
<th>Encoded Start Number</th>
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<tbody>
<tr>
<td>Bit Numbers (e.g. 26 bit)</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
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<th>Printed Start Number</th>
<th>Printed Stop Number</th>
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</table>

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

¹For new artwork files, contact Customer Service for custom artwork number, lead times, and cost.
²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
³The external card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Prox Programming only. Permanent unique MIFARE 56 Bit serial # cannot be printed on cards.
⁴When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).
⁵Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.
⁶Includes a permanent Unique MIFARE 56 Bit Serial number.
*The composite construction is recommended for all cards with over-laminate applied.