

D00529, Release F.3 June 2015

The most current version of this document is available for download at: 13.56 MHz Physical Access How to Order Guide

To check order status, go to:

http://www.hidglobal.com > Knowledge Center > Customer Support > Customer Order Status.

For Contact cards, 3rd Party Contact-Chips and embeddable cards with or without contact chip, see the Logical Access How to Order Guide.

For Embedded products, see the Embedded How to Order Guide.

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Document History

| Date | Author | Description | Version | | | | | |
|----------|---------|--|---------|--|--|--|--|--|
| 6/23/15 | DD | Cut parts for May 15, 2015 discontinuance and consolidation announcement. | F.3 | | | | | |
| 2/17/15 | GL | Included prominent Laser Engraving customer notification and laser engraving footnote to reflect removal of inkjet option for Austin | | | | | | |
| 10/28/14 | GL. DM | Inkjet updates. | F.1 | | | | | |
| 10/28/14 | DD | Updates to EDGE EVO Solo models and terminology. | E.9 | | | | | |
| 8/6/14 | DD | Release of EDGE EVO Solo – removal of EDGE Solo. | E.8 | | | | | |
| 6/1/14 | DWA | Removed all G 3.0 rev C readers. | E.7 | | | | | |
| 02/12/14 | SA | Remove H slot punch option for iCLASS 16k/32k (for base pn 202/212) | E.6 | | | | | |
| 01/15/14 | SA | Add option for MIFARE Classic with reversed MIFARE CSN to mark in decimal (option Z added) Add option H (Horizontal) for MIFARE Classic 1K and 4K Credentials. | E.5 | | | | | |
| 11/19/13 | SA | Removed Wiegand card (pn=204), Add options for Clamshell with 16k-bit, 32k-bit options Added the iCLASS Elite Change Form and updated the iCLASS Elite/Custom Format Request Form Added Horizontal punch – 202/212 Card. Added option X and W for MIFARE CSN marking (laser engraved) Add LEGIC card options as well as MIFARE DESFire EV1 key fob and Tags Re-integrate option B for slottable card for 200/210 | E.4 | | | | | |
| 2/5/13 | DD/SA | Added Card Packs and removed the S Programming versions for the 202/212 cards. The 1435 MIFARE Adhesive tag image has changed. | E.3 | | | | | |
| 11/28/12 | SA/MB | Added references to MIFARE DESFire EV1 & iCLASS 32k /HITAG1, iCLASS 32k/HITAG2 Removed references to MIFARE DESFire 0.6 Added MIFARE Classic + DESFire EV1 combination | E.2 | | | | | |
| 6/25/12 | SA / DD | Add references to MIFARE DESFire combination card. Updated the Corporate 1000 form to include new Table 1 Heading Description. Update to multiCLASS with EM4102 page, correcting MIFARE CSN & EM4102 options. | E.1 | | | | | |
| 2/16/12 | SA | Update description for 232/242 and 252/262 | E.0 | | | | | |



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Announcement Regarding Credentials Marking

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

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

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

Key benefits:

Marking quality and durability of the cards will be enhanced and more consistent

New engraving technology reflects HID Global's commitment to sustainability by eliminating the use of solvents

Improved Proof of Authenticity since engraved markings cannot be removed or modified.

The enhanced design will be available at no additional charge. The laser-engraving surcharge for Genuine HID Proximity and Contactless Credentials will be removed in November.

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

Notes

The numbering scheme and part number will not change. Please contact your sales representative to see the new design and get sample cards.

Due to the 3D nature of laser engraved markings, printing over these markings is not recommended as it may impact print quality.

For all relevant Credentials ordered and/or shipped out of North America, the laser-etched version supersedes all ink jet card part numbers.

For further details on the printing areas, please contact HID Global.

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



Credentials

200/210 - iCLASS Card Ordering Guide

The 200/210 iCLASS contactless smart card offers read/write capability. 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 200 Standard PVC | ☐ 210 Composite 40% Polyester / PVC* |
|--|--|
| iCLASS Memory Size and Allocation (Check One) □ 0 - 2k Bits (256 Bytes) with 2 Application Areas □ 1 - 16k Bits (2k Bytes) with 2 Application Areas □ 2 - 16k Bits (2k Bytes) with 16 Application Areas □ 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 □ 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 | |
| Programming (Check One) C - Configured, Non-Programmed iCLASS. Programming Informat P - Programmed iCLASS. Specify Programming Information. Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork No. | Front Packaging |
| Back Packaging (Check One) G - Plain White with Gloss Finish ² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Nt 1 - Plain White with Gloss Finish with Magnetic Stripe ² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify | 3.370" (8.57 cm) umber ¹ (0.084 cm) |
| Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted) N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted) R - Random Internal/Non-Matching Sequential External (Inkjetted) A - Sequential Matching Internal/External (Laser Engraved)⁴ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) | Back Packaging OPTIONAL MAGNETIC STRIPE 112" (HICOHIGH ENERGY - 40000E) 12345 YYTYYYY-YY 12345 YYTYYYY-YY |
| □ C - Random Internal/Non-Matching Sequential External (Laser Eng Slot Punch⁵ (Check One) □ N - No Slot Punch (Printed location of vertical slot punch will remain □ V - Vertical Slot Punch □ H - Horizontal Slot Punch⁶ □ B - No Slot Punch - Horizontal/Vertical Punch compatible (Printed I | 12345 = Card ID Number YYYYYYYYY = Sales Order Number |
| Option - Custom Artwork ¹ [Specify Artwork Number – Refer to the Center your final card options from check boxes above. Example 1.5 | Custom Artwork Forms for new artwork) |
| Final Part Number | - (Options #) |
| iCLASS Card Programming Information | |
| Facility Code iCLASS Elite ICE Number (if applicable) (Custom Formats) Site Code City Code Internal Card # Start Stop External Card | d # Start Stop |
| PIN (2-12 digits) : Sequential: Start # Special Instructions: | <u>.</u> |
| 1 For new artwork files, contact Customer Service for custom artwork number, lead | l-times and cost |

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

slot punch target printed on the back of the card.

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

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

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

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

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

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



202/212 - Combination Card (iCLASS/Prox) Ordering Guide

The iCLASS Prox contactless smart card offers read/write and proximity (HID Prox, Indala, HITAG1 or 2) capability in a single card. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element.

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

| Base Model 202 Standard PVC 212 Composite 40% Polyester / PVC | * |
|--|--|
| * HITAG based cards are not available with composite or as embeddable cards. Those cards a memory size. | are only available with iCLASS 32k |
| iCLASS Memory Size and Allocation (Check One) ⁶ □ 0 - 2k Bits (256 Bytes) with 2 Application Areas □ 1 - 16k Bits (2k Bytes) with 2 Application Areas □ 2 - 16k Bits (2k Bytes) with 16 Application Areas □ 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 □ 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 | |
| iCLASS Programming (Check One) □ B - Both iCLASS and Prox Technology programmed. Specify Programming Information □ P - iCLASS Programmed, Prox technology blank. Specify Programming Information. □ C - iCLASS configured field programmable, Prox technology blank. Specify Programming information. □ A - iCLASS configured field programmable, Prox technology programmed. Specify Programming Information. □ K iCLASS Programmed LITAC1 blank. Specify Programming Information. | |
| | |
| Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ | Back Packaging OPTIONAL MAGNETICS STRIPE |
| Back Packaging (Check One) ☐ 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 ☐ D - Glossy White with Debitek Mag Stripe | 112" (HICOHIGH ENERGY - 40000E) 12345 12345 12345 YYYYYYYYYY 125 kHz # iCLASS # 12345 = Card ID Number YYYYYYYYYYYY = Sales Order Number |
| iCLASS Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁵ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ R - Random Internal/Sequential External (Inkjetted)⁵ A - Sequential Matching Internal/External (Laser Engraved)⁴ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴ C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴ Slot Punch⁵ (Check One) H - Horizontal slot punch¹ V - Vertical Slot Punch N - No Slot Punch (This card can be slotted vertically, printed location of Vertical and Horizontal slot punch will C - No Slot Punch - Horizontal Slottable Punch compatible (Printed location of Vertical and Horizontal slot punch | |
| 125 kHz Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)³ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)³ R - Random Internal/Non-Matching Sequential External (Inkjetted)³ A - Sequential Matching Internal/External (Laser Engraved)⁴ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴ C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴ | |
| Option - Custom Artwork ¹ (Specify Artwork Number – Refer to the Custom Artwork Forms for new artwork) | |
| Enter your final card options from the above selections. Example: 2022BGGNNM Final Part Number | - (Options #) |

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| iCLASS Programming Information | | 125 kHz Programming Information | | | | | | |
|---|--------------------|---------------------------------|-------------------|--|--|--|--|--|
| Bit Numbers | (example: 26 bit) | Bit Numbers | (example: 26 bit) | | | | | |
| Format Number | _(example: H10301) | Format Number | (example: H10301 | | | | | |
| Facility Code | | Facility Code | | | | | | |
| iCLASS Elite ICE Number (if applicable) | | (Custom Formats) Site Code | City Code | | | | | |
| (Custom Formats) Site Code City | Code | OEM Code | | | | | | |
| OEM Code | | Internal Card No. Start | Stop | | | | | |
| Internal Card No. Start Stop | | External Card No. Start | Stop | | | | | |
| External Card No. Start Stop | · | Special Instructions: | | | | | | |
| PIN: Sequential: Start # Rando | m: Length | - | | | | | | |

 $^{^{\}rm 1}$ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

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

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

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

⁵ Cards are provided with an optional slot punch at no additional charge.

⁶ HITAG combination cards are only available with iCLASS 32k Bits. Some video imaging printers cannot accommodate pre-slot punched cards.

⁷ H slot punch option is not yet supported on iCLASS 16k or 32k memory options.

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

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



205 - iCLASS Key Ordering Guide

The iCLASS contactless smart Key offers read/write capability. 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.

| iCLASS Memory Size and Al | Application Application Application at the Application areas | Areas Areas Areas 16k/2+16k/1 | | | — .24 in [6 mm] | | |
|---|--|--|------------------------------------|----------|--------------------|-----------|--|
| Programming (Check One) ☐ C - Configured, Non-Program | med iCLAS | S. Programming | - 11 | | | | |
| □ P - Programmed iCLASS. SpFront Packaging□ N - iCLASS Key II - Black with | ecify Progra | mming Informatio | | | 1. 55 in [38.4 mm] | | |
| Back Packaging N - None | | | | | | iclass LO | |
| ✓ N - None Key Numbering¹ M - Sequential Matching Internal/External (Inkjetted)⁴ N - No External Key Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁴ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁴ A - Sequential Matching Internal/External (Engraved)² B - Sequential Internal/Sequential Non-Matching External (Engraved)² C - Random Internal/Non-Matching Sequential External (Engraved)² Additional Options³ N - None | | | | | | | |
| Enter your final card options Final Part Number | from the | above selectic | ns. Example: 2052PNI | VMN N | N | l N | |
| T mar t art reamber | | 200 | | '' | | | |
| iCLASS Key Programming | Informat | ion | | | | | |
| Bit Numbers Facility Code iCLASS Elite Ice Number (if app | | nple: 26 bit) | Format Number | (ex | ample: H10301) | | |
| (Custom Formats) Site Code | | City Code | . OEM Code | | | | |
| Internal Card # Start PIN: Sequential: Start # Special Instructions: | . Stop | _ | nal Card # Start Random: Length | . Stop | · | | |
| ¹ The external key number is placed on | | | d cost | | | | |

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²For Laser Engraved external numbers, consult factory ³Key Ring sold separately (Part Number: 57-0001-02).

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



206 - iCLASS Tag Ordering Guide

The iCLASS contactless smart Tag offers read/write capability. iCLASS enable existing credentials or non-metallic devices such as cell phones or PDAs by adhering the iCLASS Tag.

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

| \boxtimes | 206 Base Model | Part Number We | orksheet | | | | | |
|--|--|---|--------------------------|---------------|-------------|--------|---|---|
| | ASS Memory Size and Allocation 0 - 2k Bits (256 Bytes) with 2 Applica 1 - 16k Bits (2k Bytes) with 2 Applica 2 - 16k Bits (2k Bytes) with 16 Applica 3 - 32k Bits (4K Bytes) Application a 4 - 32k Bits (4K Bytes) Application a 10gramming (Check One) C - Configured, Non-Programmed ic P - Programmed iCLASS. Specify Pont Packaging (Check One) S - Gray with HID Standard Artwork | ation Areas ation Areas cation Areas creas 16k/2+16k/1 creas 16k/16+16k/1 CLASS. Programming trogramming Informatio | | quired. | | io | CLASS [®] | 1.285" (32.639mm |
| | K - Black with HID Standard Artwork C - Custom Artwork – Specify Custo | | | | | | | → |
| | ck Packaging S - Adhesive Backing | | | | | | | 0.070" |
| Tag | g Numbering1 (Check One) M - Sequential Matching Internal/Ext N - No External Tag Numbering S - Sequential Internal/Sequential North R - Random Internal/Non-Matching S | on-Matching External (| (Inkjetted) ⁴ | | | | Front | (1.78 mm) t Packaging |
| | t Punch | Sequentiai Externai (iri | ikjetteu)+ | | | | | |
| \boxtimes | N - None | | | | | | | |
| • | tion - Custom Artwork¹ (Specify A | Artwork Number - Pefe | or to the Custom Art | work Forms | for now art | work) | | |
| ш | (Specily F | arwork Number – Kele | er to the Custom Ant | WOIK I UIIIIS | ioi new an | WUIK) | | |
| Ent | ter your final Tag options from | check boxes above | e. Example: 2062 | CSSNN | | | | |
| Fi | inal Part Number 206 | | S | | N | - | (O _i | ptions #) |
| iCL | ASS Tag Programming Info | rmation | | | | | | |
| Bit I | Numbers(| (example: 26 bit) | Format Num | ber | (e) | xample | : H10301) | |
| | ility Code | | | | | | | |
| (Cus | ASS Elite ICE Number (if applicable stom Formats) Site Code | ?) City Code | OFM C | ode | | | | |
| Inte | rnal Card # Start Sto | city code pp . Exter | rnal Card # Start | | . Stop | | | |
| PIN: | : Sequential: Start # | _ | Random: Length | 1 | | | <u> </u> | |
| Spe | cial Instructions: | | | | | | <u>.</u> | |
| ² For ord ord ³ The ⁴ Plea | e external tag number is placed on the back new artwork files, contact Customer Servi der quantities, and cost. e iCLASS Tag is not for use on cards that u ase note that cards shipped out of Austin, allable for these cards. | ice for custom artwork nunuse full insertion or tractor | feed type readers. | | | | iCL455° | Magnetic Stripe |
| | not adhere to metal surfaces. I | | | | | | | |
| clai | perable. Due to variations in commitment the iCLASS Tag will wontended and inclass Tags are a | rk in every situatio | n. Functional ar | nd | | | _{mart Chip} I reader technolo | Magnetic Swipe card gies. Compatibility |

should be confirmed prior to ordering.



208 - iCLASS Clamshell Card Ordering Guide

The iCLASS contactless smart card offers read/write capability.

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

| iCLASS Memory Size and 0 - 2k Bits (256 Bytes) with 1 - 16k Bits (2k Bytes) with 2 - 16k Bits (2k Bytes) with 3 - 32k Bits (4K Bytes) App 4 - 32k Bits (4K Bytes) App | n 2 Applica n 2 Applica n 16 Applica plication ar | ion Areas ion Areas ation Areas eas 16k/2+ | 16k/1 | | | | | | | | |
|--|--|---|---------------------|-------------|------------|-------------------|----------|-----------------------|-----------|--------------------------|---------------------|
| Programming (Check One ☐ C - Configured, Non-Progr ☐ P - Programmed iCLASS. | ammed iC | | | | n Not Requ | ired. | | 1234 | 5 = Card | I ID Number | |
| Front Packaging (Check C M - Plain White Vinyl with G - Plain White with Gloss A - iCLASS Clamshell - A C - Custom Artwork - Spe | One) Matte Finists Finish the Sive Franciscoping Custor | sh ont ¹ | | | | <u> </u> | | 2.060" _ (5.23 cm) | | 2.125° (5.4 cm) | 0.070' (0.18 cr |
| Back Packaging (Check O S - Base with Molded HID C - Custom Artwork - Spe | Logo Logo | n Artwork N | lumber ² | | | 3.310 (8.41 cm | | | | 12345 YYYYYYYY-YY | 3.370" (8.57 cm) |
| Card Numbering³ (Check of M - Sequential Matching In N - No External Card Num S - Sequential Internal/Sec R - Random Internal/Non- | nternal/Extendering Spering Sperital No | n-Matching | External | | | | | | | HID | |
| Slot Punch⁵ (Check One) ☑ V - Vertical Slot Punch | | | | | | | | (Cover) t Packag | ing | (Base) Back Packaging |) |
| | (Specify Ar | | | | stom Artwo | | or new A | rtwork) | | | |
| Enter your final card option Final Part Number | 208 | спеск во | kes abov | /e. Examp | oie: 2080F | GSIVIV | ٧ | Ι-Ι | | (Options #) | |
| iCLASS Card Programm | ina Info | mation | | | | | | | | (| |
| | | example: 2 | • | For | mat Numb | er | (| (example | : H10301) | | |
| (Custom Formats) Site Code Internal Card # Start PIN (2-12 digits): Sequen | Stop | City | Code Exte | rnal Card # | # Start | | Stop _ | | <u>.</u> | | |
| Special Instructions: | | | | | | iii. Lengu | | <u> </u> | <u>.</u> | | |

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



232/242 - iCLASS/Other HF 13.56 MHz - Combination Card Ordering Guide

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

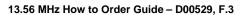
For MIFARE Classic: This credential is only delivered with MIFARE Classic UID on 4 Bytes long only (32 Bit). It is not available with 7 bytes UID for Classic, only for DESFire EV1.

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

| Base Model | 232 Stan | dard P | VC | | 242 Co | mposite | e 40% F | Polyest | er / PVC | C * | |
|--|---|---|--|---|---|----------------------|----------|----------|---------------------|-------|--|
| iCLASS Memory Size at □ 0 - 2k Bits (256 Bytes) w □ 3 - 32k Bits (4K Bytes) A □ 4 - 32k Bits (4K Bytes) A | ith 2 Applica Application a | ation Are reas 16k | as (only /2+16k/1 | available | e with MI | FARE C | LASSIC | IK) | 1 | | |
| Card Programming (Che B - Programmed iCLAS: P - Programmed iCLAS: C - Configured, Non-Proprogramming Inform A - Configured, Non-Proprogramming Information. | S & 2 nd Tech S only not 2 ⁿ grammed iC nation Not Re | d Techno CLASS. I equired. | ology. Sp Non-prog | ecify Pro rammed | grammin 2 nd Tech | g Informa nology. | | mming | 2.12 | | Front Packaging |
| 2 nd High Frequency Tech | only availab | | | 2k bits) | | | | | 0.033" (0.084 cr | m) + | 3.370° (8.57 cm) |
| Front Packaging (Check G - Plain White with Glo C - Custom Artwork with | ss Finish | h – Spec | cify Custo | m Artwo | rk Numbe | er ¹ | | | | | Back Packaging |
| Back Packaging (Check G - Plain White with Glo C - Custom Artwork with 1 - Plain White with Glos 3 - Custom Artwork with | ss Finish² ı Gloss Finis ss Finish witl | n Magne | tic Stripe | 2 | | | vork Num | ber¹ | | | OPTIONAL MAGNETIC STRIPE 112" HICOHRGH ENERGY - 40000E 12245 12345 YYYYYYY.YY 125 kHz # iCLASS # |
| iCLASS Card Numbering M - Sequential Matching N - No External Card Nu S - Sequential Internal/No R - Random Internal/No A - Sequential Matching B - Sequential Internal/No C - Random Internal/No Slot Punch⁵ (Check One | Internal/Ext Imbering Sequential Non-Matching S Internal/Ext Sequential Non-Matching S | ernal (In on-Match Sequenti ernal (La on-Match | ning Externations al Externations aser Engraning Exte | al (Inkjeti aved)4 rnal (Las | ted) ⁶ er Engra | | | | | | 12345 = Card ID Number YYYYYYYY-YY = Sales Order Numbe |
| (IMPORTANT – Dual Hi badge holder to attach t | | | | | | a slot p | unch dı | ue to th | e anten | ina d | design. HID recommends using a |
| N - No Slot Punch 2nd High Frequency Tech M - Sequential Matching N - No External Card Nu S - Sequential Internal/S R - Random Internal/No A - Sequential Matching B - Sequential Internal/No C - Random Internal/No W - UID (CSN) HEX nur X - UID (CSN) Decimal Internal/ | Internal/Ext Imbering Sequential Non-Matching S Internal/Ext Sequential Non-Matching S Inbering only | ernal (In on-Match Sequenti ernal (La on-Match Sequenti (Engrav | kjetted) ⁶ ning External External External External External External External ed) 4: 7 b | rnal (Inkjeti al (Inkjeti aved) ⁴ rnal (Laser ytes UID | etted) ⁶ ded) ⁶ er Engra Engrave | | | | | | |
| <u> </u> | _ (Specify A | | | | | | | | artwork) | | |
| Enter your final card oper Final Part Number | IIIO II CIIII | uie abi | ove sele | CHOHS. | Exam | л е . 232 | 4711661 | N | | - | (Options #) |

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| iCLASS Programming Infor | mation | 2 nd 13.56 MHz Programming I | nformation |
|-----------------------------------|-------------------|---|-------------------|
| Bit Numbers | (example: 26 bit) | Bit Numbers | (example: 26 bit) |
| Format Number | (example: H10301) | Format Number | (example: H10301 |
| Facility Code | · | Facility Code | |
| iCLASS Elite ICE Number (if appli | cable) | (Custom Formats) Site Code | . City Code |
| (Custom Formats) Site Code | . City Code | OEM Code | - |
| OEM Code | | Internal Card No. Start | . Stop |
| Internal Card No. Start | Stop | External Card No. Start | . Stop |
| External Card No. Start | Stop | Special Instructions: | |
| PIN: Sequential: Start # | ☐ Random: Length | • | |

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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.

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

For Laser Engraved external numbers, consult factory for lead times and cost.
 Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

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

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



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

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

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

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

| Base Model | site 40% Polyester / PVC * | |
|--|---|--|
| iCLASS Memory Size and Allocation (Check One) □ 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE □ 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 □ 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 | CLASSIC 1K) | |
| 13.56 MHz Technology Card Programming (Check One) □ B - Programmed iCLASS & 2nd Technology. Specify Programming Information □ P - Programmed iCLASS only not 2nd Technology. Specify Programming Inform □ C - Configured, Non-Programmed iCLASS. Non-programmed 2nd Technology. Information Not Required. | mation. Programming | Front Packaging |
| A - Configured, Non-Programmed iCLASS, Programmed 2nd Technology. Spec | cify Programming Information. | |
| 2 nd High Frequency (13.56 MHz) Technology (Check One) M - MIFARE 1K Bytes (only available with iCLASS 2k bits) N - MIFARE 4K Bytes K - MIFARE DESFire EV1 8K Bytes | 0.033° (0.084 cm) | 3.370" (8.57 cm) |
| 125 kHz Technology Card Programming (Check One) □ P - "HID Prox" Programmed 125 kHz Technology. Specify Programming Informulation C - "Indala/Casi Prox" Programmed 125 kHz Technology. Specify Programmin N - Initialized 125 kHz Technology. Programming Information Not Required | | Back Packaging |
| Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ | | OPTIONAL MAGNETIC STRIPE 1/2" (HICOHIGH ENERGY - 40000E) 2872485 12345 12345 YYYYYYYYYYY |
| Back Packaging (Check One) ☐ 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 A | 12345 = | 1236 1236 1236 1111111111111111111111111 |
| iCLASS Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)6 N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)6 R - Random Internal/Non-Matching Sequential External (Inkjetted)6 A - Sequential Matching Internal/External (Laser Engraved)4 | □ B - Sequential Internal/Sequential Engraved)⁴ □ C - Random Internal/Non-Matchin Engraved)⁴ | - |
| Slot Punch ⁵ (Check One) (IMPORTANT – Dual High Frequency credentials do not allow a slot punch due to the ant lanyard or badge clip). N - No Slot Punch | tenna design. HID recommends using a badg | e holder to attach this card to a |
| 2 nd 13.56 MHz Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁶ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁶ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁶ | □ B - Sequential Internal/Sequential Engraved) ⁴ □ C - Random Internal/Non-Matchin Engraved) ⁴ | |
| A - Sequential Matching Internal/External (Laser Engraved)⁴ 125 kHz Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁶ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁶ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁶ A - Sequential Matching Internal/External (Laser Engraved)⁴ Ontion Custom Arthuretal Ontion Custom Arthuretal Ontion Custom Arthuretal A - Sequential Matching Internal/External (Laser Engraved)⁴ | ☐ B - Sequential Internal/Sequential Engraved) ⁴ ☐ C - Random Internal/Non-Matchin Engraved) ⁴ | |
| Option - Custom Artwork ¹ (Specify Artwork Number – Refer to the Custom Artwork Number – Refer to the Custom Artwork Number – Refer to the Custom Artwork | work Forms for new artwork) | |

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Enter your final card options from the above selections. Example: 2524PNGGNNN Final Part Number (Options #) iCLASS Programming Information Bit Numbers ______ . (example: 26 bit) Format Number (example: H10301) Facility Code _____ iCLASS Elite ICE Number (if applicable) (Custom Formats) Site Code______. City Code ______ OEM Code _____
 Internal Card No. Start
 . Stop

 External Card No. Start
 . Stop

 PIN: □ Sequential: Start # □ Random: Length □
 2nd 13.56 MHz Programming Information Bit Numbers ______ . (example: 26 bit) Format Number _____ (example: H10301) Facility Code ______. City Code ______. OEM Code Internal Card No. Start ______. Stop _____ External Card No. Start ______. Stop _____. Special Instructions: 125 kHz Programming Information Bit Numbers _ ______ . (example: 26 bit) Format Number _____ (example: H10301) Facility Code ______. City Code ______. City Code ______. OEM Code _____ Internal Card No. Start ______. Stop ______. External Card No. Start ______. Stop _____. Special Instructions: ¹ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost. ² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.

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<sup>For Laser Engraved external numbers, consult factory for lead times and cost.

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

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

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



272/282 - MIFARE Classic/DESFire EV1 - Combination Card Ordering Guide

The MIFARE + DESFire contactless card offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element.

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

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

| Base Model | 272 Standard | PVC 🗆 | 282 Com | posit | e 40% | Polyes | ter / P\ | /C * | |
|--|---|--|--|----------|---------------------------|------------------------------|-----------------------|----------------|--|
| MIFARE High Frequency ☑ N - MIFARE Classic 4K | | | | | | | | ī | 3.370° (8.57 cm) |
| Card Programming (Che B - Programmed MIFAR P - MIFARE Programme N - Non-Programmed M A - Non-Programmed M | ck One) E and DESFire Techr d only not DESFire T FARE and DESFire | echnology. Spec | ify Program | ming Ir | nformatio | n. | 2.1 (5.4 ation. | | Front |
| MIFARE DESFire High F | | ogy (Check O | ne) | | | | (0 | | |
| Front Packaging (Check G - Plain White with Glos C - Custom Artwork with | ss Finish | fy Custom Artwo | rk Number ¹ | | | | .033" (0.084 cm) | † | Shared Card Edge \$ |
| Back Packaging (Check G - Plain White with Glos C - Custom Artwork with 1 - Plain White with Glos 3 - Custom Artwork with | One) ss Finish ² Gloss Finish – Speci s Finish with Magneti Gloss Finish with Ma | fy Custom Artwo c Stripe ² gnetic Stripe - Sp | rk Number¹ | m Artw | ork Num | ıber¹ | | | Back |
| MIFARE High Frequency ☐ M - Sequential Matching | | | | П | B - Sec | uential I | nternal/S | eane | ntial Non-Matching External (Laser |
| ■ N - No External Card Nu | mbering | | | | En | graved)4 | 1 | | - |
| S - Sequential Internal/S R - Random Internal/Non A - Sequential Matching | n-Matching Sequentia | I External (Inkjet | etted) ⁵ ted) ⁵ | | U - UID | (CSN) I | HEX card | num | ching Sequential External (Laser Engraved) ⁴ bering only (Inkjetted) numbering only (Inkjetted) |
| Slot Punch (IMPORTANT – Dual High Frequianyard or badge clip). N - No Slot Punch | uency credentials do no | ot allow a slot pun | ch due to the | e anteni | na desigr | a. HID rec | commends | usin | g a badge holder to attach this card to a |
| DESFire High Frequency M - Sequential Matching N - No External Card Nu S - Sequential Internal/No R - Random Internal/No A - Sequential Matching | Internal/External (Ink mbering equential Non-Match n-Matching Sequentia | jetted) ⁵ ing External (Inkj I External (Inkjet | etted) ⁵ | | C - Rar Enq U - UID | ndom Integraved)4 (CSN) I | ernal/Nor HEX card | n-Mat I num | Intial Non-Matching External (Laser Engraved) ching Sequential External (Laser libering only (Inkjetted) numbering only (Inkjetted) |
| Option - Custom Artwork | (¹ (Specify Artwork No | ımber – Refer to | | | | | artwork) | | |
| Enter your final card opt | | | Example | : 2721 | VBKG1 | | | | |
| Final Part Number | N | K | | | | N | | - | (Options #) |
| MIFARE 13.56 MHz Pro | gramming Infor | mation | | | DESF | ire 13. | 56 MHz | Pro | gramming Information |
| Bit Numbers | | . (example: 2 | 26 bit) | | Bit Nur | nbers | | | . (example: 26 bit) |
| Format Number | | | | | | | | | (example: H10301) |
| Facility Code | | ` ' | | | | | | | |
| (Custom Formats) Site Cod | | | | | (Custo | m Forma | ats) Site | Code | e City Code |
| OEM Cod | de | | . | | | | OEM | Code | e |
| Internal Card No. Start | Sto | p | · | | Interna | I Card N | lo. Start | | Stop |
| External Card No. Start | Sto | p | · | | Externa | al Card I | No. Start | | Stop |
| Special Instructions: | | | | | Specia | Instruc | tions: _ | | |
| ¹ For new artwork files, contact Custom ² Cards ordered with plain white front at back of the card. ³ The external card number is placed in | nd back packaging, or custor | m artwork, will still have | e a small HID lo | - | | | | | ower left-hand corner and a slot punch target printed on the |

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

⁵Please 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.



1430/1440/1436/1446 - MIFARE Card Ordering Guide

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

| Base Model | | 1430 (1 | K) Star | dard P | VC | | | | | 1440 | (4K) S | Standard PVC |
|---|--|--|------------------------------------|---------------------------|-----------------------|-----------|--------------------------------|---|--------|-------------------|------------|---------------------------------|
| | | 1436 (1 | K) Con | posite | 40% Po | lyester | /PVC * | • | | 1446 | (4K) (| Composite Polyester 40% / PVC * |
| Programming (Chec M - Programmed, H N - Non-Programme S - Custom Program | IID MI ed (13 | FARE 6 (\$ 3.56 MHz) | Progra | mming In | formation | | | | | | | Front Packaging |
| Front Packaging (CF G - Plain White with C - Custom Artwork | n Glos | s Finish | ish – Spe | cify Custo | om Artwor | k Numbe | r¹ | | | | | |
| Back Packaging (Ch G - Plain White with S - Standard HID M 1 - Plain White with 2 - Standard HID M C - Custom Artwork | n Glos IIFAR Gloss IIFARI with | s Finish ² E Artwork s Finish w E Artwork Gloss Fin | ith Magne with Mag ish – Spe | netic Strip cify Custo | oe om Artwor | k Numbe | r ^{1, 2} tom Artwo | ork Number | , 2 | 0.033 (0.084 d | | (8.57 cm) |
| 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ Card Numbering³ (Check One) M - Sequential Matching Internal/External (Inkjetted)² N - No External Card Numbering U - UID (CSN) HEX card numbering only (Inkjetted)² V - UID (CSN) Decimal card numbering only (Inkjetted)² S - Sequential Internal/Sequential Non-Matching External (Inkjetted)² R - Random Internal/Non-Matching Sequential External (Inkjetted)² 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) printed in decimal (Laser Engraved)⁴ | | | | | | | | Back Packaging HID MIFARE* CARD Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 OE) 12345 YYYYYYY-YY 45 = Card ID Number YYYYY-YY = Sales Order Number | | | | |
| Slot Punch ⁵ (Check N - No Slot Punch (V - Vertical Slot Punch (H - Horizontal Slot I | (Printe nch | d location | of vertica | al slot pur | nch will re | main) | | | | | | |
| Option - Custom Art Enter your final card | | (Specify | | | | | | k Forms for | new . | Artwork) |) | |
| Final Part Numbe | | 0113 11 01 | II CIICCK | рожез г | DOVC. L | Kampic | . 1430110 | | | - | | (Options #) |
| 13.56 MHz Card Pro | ogra | mming | Informa | ation | | | | | | | | |
| | | | | | ample: 20 ample: H | | | | | | | |
| (Custom Formats) Site | /I Cod | e | | - | | | | | | | | |
| External Card No. Start Special Instructions: _ | t | | S | top | | <u></u> . | | | | | | |
| For Contact Smart Chip selection 1 For new artwork files, cont | | | | | | | | on does not ir | nclude | e a contac | ct smart o | chip module. |

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

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

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

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

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

⁶ Includes a permanent Unique MIFARE 32 Bit serial number. When printed the number is encoded MSB (most significant byte) -> LSB (least significant byte).

⁷Please 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.



1431/1441/1437/1447 - Combination (MIFARE/Prox) Card Ordering Guide

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

| Base Model | Ш | 1431 (1K | .) Stana | ara PVC | | | □ 14 | 41 (4K) |) Stana | ara P | VC | |
|---|--|--|--|---|--|--|--------------------------------------|----------------------|-------------------|--------------------|------|--|
| | | 1437 (1K |) Comp | osite 40 | % Polye | ster / PVC | <u>*</u> 14 | 47 (4K) |) Comp | osite | 40% | Polyester / PVC * |
| MIFARE Programmed L - Programmed M - Programmed B - Programmed N - Non-Program S - Custom Prog | , (125 kl I, HID M I, (125kl nmed (1 Irammed Irammed | Hz only with IIFARE ⁶ (Sp Hz and 13.56 25 kHz & 13 H, (13.56 MH d, (125kHz a | HID Form becify HID 6 MHz with .56 MHz w Iz only)6, F | format, for n HID Form vithout HID Prox config | example I lat) ⁶ . Spec Format) ⁶ . ured Spec | H10301). cify Programm Programmino ify Programmin | ing Inforr g Informa ng Inform | tion Not F ation. | • | | | Front Packaging |
| Front Packaging (G - Plain White (C - Custom Artw | vith Glos | ss Finish | h - Specify | / Custom A | rtwork Nu | mber ¹ | | | | ı | • | 3.370" |
| G - Plain White \ G - Plain White \ S - Standard HIE \ 1 - Plain White \ 2 - Standard HIE \ 3 - Custom Artw \ C - Custom Artw \ M - Sequential N \ N - No External \ U - UID (CSN) H | with Glost O Proxim With Glost O MIFAR ORK with Fork with Matching Card Nu | ss Finish ² hity & MIFAF ss Finish with E Artwork w Gloss Finish Gloss Finish abering ³ (C Internal/Ext mbering | n Magnetion with Magnet on with Mag on - Specify with a Specify with a Magnetic on the Magneti | c Stripe ² etic Stripe gnetic Stripe / Custom A ne) etted) ⁷ | | | ork Numb | oer ^{1, 2} | (0.08 | 2.125" (5.4 cm) | (* | Back Packaging HID PROXIMITY WIFARE CARD Optional Magnetic Stripe 1/2" HICO/High Energy - 4000 OE) 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY |
| □ V - UID (CSN) D □ W - UID (CSN) B □ X - UID (CSN) B □ C - Random Inte □ R - Random Inte □ A - Sequential In □ B - Sequential In □ Z - Reversed UII Slot Punch⁵ (Chec | ecimal of HEX nun ecimal recimal/Nor real/Nor latching laternal/S aternal/S O (SCN) | card number inbering only numbering on n-Matching on-Matching on Internal/Ext equential Note dequential Note Decimal ca | ing only (I (Engrave nly (Engra Sequential Sequential ernal (Eng on-Matchi on-Matchi rd number | nkjetted) ⁷ d) ⁴ eved) ⁴ External (I External (I graved) ⁴ ng External ng External ring only (L | nkjetted) ⁷ (Inkjetted I (Engrave aser Engra |) ⁷ d) ⁴ aved) ⁴ | | | | | | rd ID Number -YY = Sales Order Number |
| ∇ - Vertical Slot 125 kHz Proximity M - Sequential M N - No External II R - Random Intel A - Sequential M B - Sequential II C - Random Intel Option - Custom M | Punch r Card I flatching Card Nu sternal/Sornal/Nor latching sternal/Sornal/Nor Artwork | Numbering Internal/Ext mbering equential Non-Matching S Internal/Ext equential Non-Matching S &\(1 \) | g³ (Checi ernal (Inkj on-Matchii Sequential ernal (Eng on-Matchii Sequential | k One) etted) ⁷ ng External (I graved) ⁴ ng External (I external (I | (Inkjetted nkjetted) ⁷ I (Engrave Engraved) [;] | d) ⁴ 4 Custom Artwor | | | Artwork) | | | |
| Enter your final ca | | ions from | check b | oxes abo | ve. Exan | nple: 1441Ni | GGNNN | | <u> </u> | | - | (Options #) |
| | | | | | | | | | | | | (Options #) |
| 13.56 MHz Progr | ammir | ng Inform | ation | | | | 125 kH | z Prog | rammir | ng Inf | orma | ation |
| Bit Numbers Format Number Facility Code (Custom Formats) S | ite Cod | | Cit | (examp | ole: H1030 | 11) · | Format Facility | Number Code | s) Site C | ode | | (example: 26 bit) (example: H10301) City Code |
| Internal Card No. St | art | | Stop | | | | | | . Start _ | | | Stop |
| External Card No. So Special Instructions | | | Sto | p | | | Externa Special | Card No Instructi | o. Start ions: | | | Stop |

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

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

 6 Includes a permanent Unique MIFARE 32 Bit serial number. When printed the number is encoded MSB (most significant byte) -> LSB (least significant byte).
- ⁷Please 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.



1434/1444 - MIFARE Keyfob Ordering Guide

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

| Base Model 1434 (1K) | | ☐ 1444 (4K) | | | | |
|--|---|--|------------|------|----------|--|
| Programming (Check One) M - Programmed, HID MIFARE N - Non-Programmed (13.56 MI S - Custom Programmed, Speci | Hz). Programming Inf | formation Not Require | d. | | | |
| Front Packaging (Check One) S - Standard HID Artwork C - Custom Artwork - Specify Co | ustom Artwork Numbe | er ¹ | | | | |
| Back Packaging ☑ S - Standard | | | | | The sale | |
| Key Numbering¹ (Check One) M - Sequential Matching Internal N - No External Card Numbering W - UID (CSN) HEX numbering X - UID (CSN) decimal numberi C - Random Internal/Non-Match R - Random Internal/Non-Match A - Sequential Matching Internal S - Sequential Internal/Sequent Z - Reversed UID (SCN) Decim Slot Punch² N - None | g only (Engraved) ⁴ ng only (Engraved) ⁴ ing Sequential Exterr ing Sequential Exterr I/External (Laser Eng al Non-Matching Exterial Non-Matching Exterial | nal (Laser Engraved)⁴ nal (Inkjetted)⁵ raved)⁴ ernal (Inkjetted)⁵ ernal (Laser Engraved)̇́ | 1 4 | ET (| | |
| Enter your final Key options from | om check boxes a | above. Example: 14 | 34NSSNN | | | |
| Final Part Number | | | S | N | | |
| 13.56 MHz Card Programmir | g Information | | | | | |
| Bit Numbers Format Number Facility Code | (ex | ample: H10301) | | | | |
| (Custom Formats) Site Code | | e | | | | |
| Internal Card No. Start | Stop | <i>.</i> | | | | |
| External Card No. Start | | | | | | |
| Special Instructions: | | · | | | | |
| ¹ The external key number is placed on the | e back of the key. | | | | | |

For Laser Engraved external key fluintier is practic of the back of the key.
 2 Key Ring sold separately (Part Number: 57-0001-02)
 3 Includes a permanent Unique MIFARE 32 Bit serial number. When printed the number is encoded MSB (most significant byte) -> LSB (least significant byte).
 4 For Laser Engraved external numbers, consult factory for lead times and cost.
 5 Please note that cards shipped out of Austin, Texas are always laser-engraved. Inkjetted option is not available for these cards.



1435/1445 - MIFARE Adhesive Tag Ordering Guide

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

| Base Model | 1445 | (4K) | | | | | | | |
|--|--|--|---|---|--|--------------------------------------|--|------------------------|---------|
| Programming (Check One) ☐ M - Programmed, HID MIFARE ☐ N - Non-Programmed (13.56 MI- ☐ S - Custom Programmed, Speci | lz). Program | ming Info | rmation No | | | | | | |
| Front Packaging (Check One) S - Standard HID Artwork C - Custom Artwork - Specify Cu | ıstom Artwor | k Number | 1 | | | | 4 | | mifare® |
| Back Packaging ☑ S - Standard | | | | | | | | | HID® |
| N - No External Card Numbering S - Sequential Internal/Sequentii R - Random Internal/Non-Match | Tag Numbering¹ (Check One) M - Sequential Matching Internal/External (Inkjetted)⁵ N - No External Card Numbering S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ Z - Reversed UID (SCN) Decimal card numbering only (Laser Engraved)⁴ | | | | | | | | |
| Slot Punch ² ☑ N - None | | | | | | | | | |
| Enter your final Tag options fro | om check b | oxes ab | ove. Exa | ample: 1 | 435NSSN | IN | | | |
| Final Part Number | | | | S | | N | | | |
| 13.56 MHz Card Programmin | g Informa | tion | | | | | | | |
| Bit Numbers | | (exa | mple: 26 | bit) | | | | | |
| Format Number | | | | | | | | | |
| Facility Code | | | | | | | | | |
| (Custom Formats) Site Code | | | | | | | | | |
| OEM Code | | | | <u>.</u> | | | | | |
| Internal Card No. Start | | | | | | | | | |
| External Card No. Start | | - | | | | | | | |
| Special Instructions: | | | | | | | | | |
| | Service for cus full insertion or 2 Bit serial num stin, Texas are ir. elds the RF, m | tom artwork tractor feed aber. When always lase aking the ta | d type reade n printed the er-engraved ag inoperab | ers. e number is f. Inkjetted le. Due to | encoded Ma option is not variations in | SB (most s available cards and | significant by for these ca I reading de | byte) ards evice | |

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



1450/1456 - MIFARE DESFire EV1 Card Ordering Form Guide

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

| Base Model | Standard PVC | ☐ 1456 Cor | nposite 40% F | Polyester / | 'PVC * |
|--|--|---|-------------------|--------------|---|
| MIFARE DESFire EV1 Memor ☑ C - 8K Bytes MIFARE DESFir Programming (Check One) ☐ N - Non-Programmed (13.56 I ☐ S - Custom Programmed, (13 | e EV1 MHz) ⁶ . Programming II | | | | Front Packaging |
| Front Packaging (Check One G - Plain White with Gloss Fin C - Custom Artwork with Glos | nish | om Artwork Number ¹ | | | 3.370" (8.57 cm) |
| Back Packaging (Check One) G - Plain White with Gloss Fin 1 - Plain White with Gloss Fin C - Custom Artwork with Gloss 3 - Custom Artwork with Gloss Card Numbering³ (Check One) M - Sequential Matching Inten N - No External Card Number S - Sequential Internal/Seque R - Random Internal/Non-Mat A - Sequential Matching Inten B - Sequential Internal/Seque C - Random Internal/Non-Mat U - UID (CSN) HEX card num V - UID (CSN) Decimal card n W - UID (CSN) Decimal number | nish ² ish with Magnetic Stripe s Finish – Specify Cust s Finish with Magnetic S e) nal/External (Inkjetted) ⁵ ing ntial Non-Matching Exteching Sequential External/External (Laser Eng ntial Non-Matching Ext ching Sequential Extern ibering only (Inkjetted): numbering only (Inkjetted) only (Engraved) ⁴ : 7 | om Artwork Number ^{1,} Stripe - Specify Custo ernal (Inkjetted) ⁵ nal (Inkjetted) ⁵ raved) ⁴ ernal (Laser Engraved) 17 bytes UID d): 7 bytes UID bytes UID | m Artwork Numbe | 2 | 3" <u> </u> |
| to attach this card to a lang N - No Slot Punch Option - Custom Artwork ¹ (S | yard or badge clip Specify Artwork Number | · - Refer to the Custor | n Artwork Forms I | | e antenna design, use a badge holder |
| Enter your final card options Final Part Number | C C | above. Example: 1 | 450CNGGNN | N - | (Options #) |
| 13.56 MHz Card Programm | ing Information | | | • | |
| Bit Numbers Format Number Facility Code (Custom Formats) Site Code OEM Code Internal Card No. Start External Card No. Start Special Instructions: | (ex City Cod- | e | | | |
| | n, refer to Logical Acc | ess How to Order g | uide. Standard co | onfiguration | does not include a contact smart chip module. |

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

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

be printed on cards.

⁴ For Laser Engraved external numbers, consult factory for lead times and cost.
⁵ Please note that cards shipped within North America are always laser-engraved. Inkjetted option is not available for these cards.

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



1451/1457 - Combination (MIFARE DESFire EV1 Solution/PROX) Card Ordering Guide

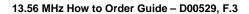
The MIFARE DESFire contactless smart card offers read/write and proximity (HID Prox, HITAG1) capability in a single card. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti-counterfeiting element.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form. Base Model ☐ 1451 Standard PVC ☐ 1457 Composite 40% Polyester / PVC* HITAG based cards are not available with composite or as an embeddable cards MIFARE DESFire EV1 Memory Size MIFARE DESFire Programming (Check One) Front Packaging L - Programmed, (125 kHz only)⁶. Specify Programming Information.

N - Non-Programmed (125 kHz & 13.56 MHz)⁶. Programming Information Not Required. S - Custom Programmed, (13.56 MHz only)⁶, Prox Configured Specify Programming Information. R - Custom Programmed, (125kHz and Custom 13.56 MHz)^{4,6}, Specify Programming Information. F - Non-Programmed (HITAG1 & 13.56 MHz)6. Programming Information Not Required. G - Custom Programmed, (13.56 MHz only)⁶, HITAG1 Configured only. Specify Programming Information for MIFARE DESFire. _ 3.370"_ (8.57 cm) Front Packaging (Check One) 0.033 ☐ G - Plain White with Gloss Finish (0.084 cm) C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ Back Packaging (Check One) ☐ G - Plain White with Gloss Finish² Back Packaging HID ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number^{1,2} C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number^{1, 2} 2.125" (5.4 cm) D - Glossy White with Debitek Mag Stripe HID Distriction CARD 13.56 MHz MIFARE DESFire Card Numbering³ (Check One) N - No External Card Numbering XXXXX YYYYYYYYYYY.YY. S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ R - Random Internal/Non-Matching Sequential External (Inkjetted)⁵ B - Sequential Internal/Sequential Non-Matching External (Engraved)⁴
C - Random Internal/Non-Matching Sequential Sequential (Engraved)⁴ 12345 = Card ID Number YYYYYYYY = Sales Order Number U - UID (CSN) HEX card numbering only (Inkjetted): 7 bytes UID ☐ V - UID (CSN) Decimal card numbering only (Inkjetted): 7 bytes UID W - UID (CSN) HEX numbering only (Engraved) 4: 7 bytes UID X - UID (CSN) Decimal numbering only (Engraved) 4: 7 bytes UID Slot Punch N - No Slot Punch (Printed location of vertical slot punch will remain) 125 kHz Proximity Card Numbering³ (Check One) ☐ M - Sequential Matching Internal/External (Inkjetted) ☐ A - Sequential Matching Internal/External (Engraved)⁴ ■ N - No External Card Numbering B - Sequential Internal/Sequential Non-Matching External (Engraved)⁴ П S - Sequential Internal/Sequential Non-Matching External (Inkietted) C - Random Internal/Non-Matching Sequential External (Engraved)⁴ R - Random Internal/Non-Matching Sequential External (Inkjetted) 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: 1457CNGGNNN **Final Part Number** Ν (Options #) 13.56 MHz Programming Information Bit Numbers (example: 26 bit) (example: H10301) Format Number ____ Facility Code (Custom Formats) Site Code _____. City Code ____ OEM Code _____ Internal Card No. Start . Stop External Card No. Start ______. Stop __ Special Instructions:

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| 125 kHz Programming Inform | nation |
|----------------------------|-------------------|
| Bit Numbers | (example: 26 bit) |
| Format Number | (example: H10301) |
| Facility Code | |
| (Custom Formats) Site Code | City Code |
| OEM Code | |
| Internal Card No. Start | Stop |
| External Card No. Start | |
| Special Instructions: | |
| PIN: Sequential: Start # | Random: Length |

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

 $^{^{\}rm 1}\,\text{For}$ new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

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

³ The external card number is placed in the bottom left-hand corner (125kHz) 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.

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

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

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



1454 - MIFARE DESFire EV1 Key Fob Ordering Guide

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

| Base Model 🛛 1454 (MIF | ARE DESFI | re EV1 8K Key F | ob) | | | | |
|--|--|---|-----------------------|--|--------|------|--|
| MIFARE DESFire EV1 Memory ☑ C - 8K Bytes MIFARE DESFire | | | | | - 6.00 | | |
| Programming (Check One) | Hz). Programm | ing Information Not R | H10301). Required. | | | | |
| Front Packaging (Check One) S - Standard HID Artwork C - Custom Artwork - Specify Custom Artwork Number ¹ | | | | | | | |
| Back Packaging S - Standard C - Custom Artwork - Specify Custom Artwork Number¹ | | | | | | | |
| Key Numbering¹ (Check One) | only (Engrave ng only (Engra ning Sequential II/External (Las | ved): 7 bytes UID External (Laser Engr er Engraved) | • | | | | |
| Slot Punch ² ☑ N - None | | | | | | | |
| Enter your final Key options fr | om check bo | oxes above. | | | | l N | |
| Tillai Tait Nullibei | 1434 | | | | | I IN | |
| 13.56 MHz Card Programmir | ng Informati | on | | | | | |
| Bit Numbers | | (example: 26 bit) |) | | | | |
| Format Number | | | | | | | |
| Facility Code | | | | | | | |
| (Custom Formats) Site Code | | y Code | | | | | |
| Internal Card No. Start | | | | | | | |
| External Card No. Start | | | | | | | |
| Special Instructions: | | | | | | | |
| | | | | | | | |

 $^{^{\}rm 1}$ The external key number is placed on the back of the key. $^{\rm 2}$ Key Ring sold separately (Part Number: 57-0001-02).



1455 - MIFARE DESFire EV1 Adhesive Tag Ordering Guide

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

| Base Model 🛛 1455 (MIF. | ARE DESFire E | V1 8K Tag) | | | |
|---|---|---------------------|----------------------------|--------------|-----------------|
| MIFARE DESFire EV1 Memory ☑ C - 8K Bytes MIFARE DESFire | | | | | |
| Programming (Check One) M - Programmed, HID MIFARE N - Non-Programmed (13.56 MH S - Custom Programmed, Speci | Iz). Programming I | nformation Not Requ | 01). uired. | DESE | |
| Front Packaging (Check One) S - Standard HID Artwork C - Custom Artwork - Specify Co | ustom Artwork Num | ber¹ | | 86 | \$ 32.64 |
| Back Packaging ☑ S - Standard | | | · · | | |
| Tag Numbering¹ (Check One): N - No External Card Numbering M - Sequential Matching Interna S - Sequential Internal/Sequenti R - Random Internal/Non-Match Slot Punch² N - None | l/External (Inkjetted al Non-Matching Ex | ternal (Inkjetted)⁵ | | | 1.78 — |
| Enter your final Tag options from | om check boxes | above. | | | |
| Final Part Number | 1455 | С | | S | N |
| 13.56 MHz Card Programmin | g Information | | | | |
| Bit Numbers | (6 | example: 26 bit) | | | |
| Format Number | (6 | example: H10301) | | | |
| Facility Code | | | | | |
| (Custom Formats) Site Code | | | | | |
| | | | | | |
| Internal Card No. Start | | | | | |
| External Card No. Start | | | | | |
| Special Instructions: | | · | | | |
| ¹ The external tag number is placed on the ² For new artwork files, contact Customer shall use on cards that use of the car | Service for custom arty | | s, minimum order quantitie | s, and cost. | |

5 Please note that cards shipped out of Austin, Texas 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 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.

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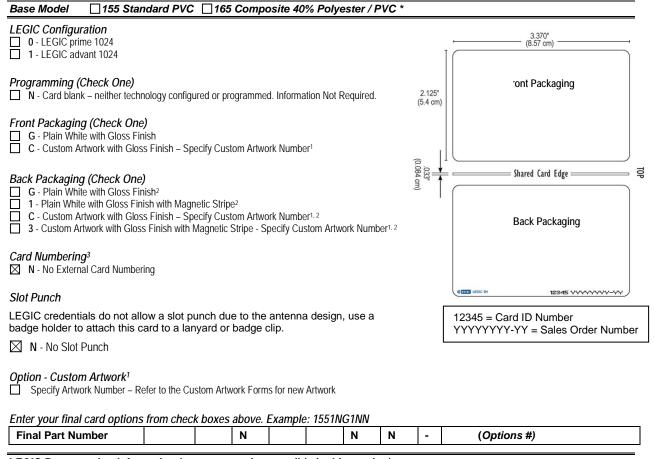
Inerrag is not for use on cards that use full insertion or tractor feed type
 Includes a permanent Unique MIFARE DESFire 56 Bit Serial number.



155/165 - LEGIC Card Ordering Form Guide

The 155/165 LEGIC® contactless smart card offers read/write capability. 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.



LEGIC Programming Information (no programming possible in this version)

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

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

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.

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

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

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



175/185 - Combination (LEGIC/ PROX) Card Ordering Guide

The LEGIC contactless smart card offers read/write and proximity (HID Prox) capability in a single card. 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 ☐ 175 Standard PVC ☐ 185Composite 40% Polyester / PVC | ** | | | | |
|---|---------------------------------------|--|--|--|--|
| LEGIC High Frequency Technology ☑ O - LEGIC prime 1024 | 3.370° (8.57 cm) | | | | |
| Card Programming □ L - Programmed, (125 kHz only) - Specify Programming Information □ N - Card blank - neither technology configured or programmed. Information Not Required. | 2.125" Front Packaging (5.4 cm) | | | | |
| Front Packaging (Check One) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ | | | | | |
| Back Packaging (Check One) G - Plain White with Gloss Finish² 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹.² | Shared Card Edge Back Packaging | | | | |
| LEGIC Card Numbering³ ☑ N - No External Card Numbering | | | | | |
| Slot Punch ⁵ (Check One) ☐ N - No Slot Punch ☐ V - Vertical Slot Punch | ©∏ LEGG № EM 12345 ΥΥΥΥΥΥΥΥ | | | | |
| 125 kHz Proximity Card Numbering³ (Check One) ☐ M - Sequential Matching Internal/External (Inkjetted)⁵ ☐ N - No External Card Numbering ☐ S - Sequential Internal/Sequential Non-Matching External (Inkjetted)⁵ ☐ R - Random Internal/Sequential External (Inkjetted)⁵ ☐ 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: 1750NGGNNN | | | | | |
| Final Part Number O N | - (Options #) | | | | |
| LEGIC Programming Information (no programming possible in this version) | | | | | |
| | | | | | |
| 125 kHz Programming Information | | | | | |
| Bit Numbers .(example:26 bit) Format Number (example:H10301) Facility Code . | | | | | |
| (Custom Formats) Site Code . City Code . OEM Code . | | | | | |
| Internal Card No. Start . Stop . | | | | | |
| External Card No. Start . Stop . Special Instructions: Exercise Start Chief Special Chief Special Report to Legical Access How to Order quide. Standard configuration does not in | iclude a contact smart chia madula | | | | |
| For Contact Smart Chip selection, refer to Logical Access How to Order guide. Standard configuration does not in | iciaue a contact stilatt chip module. | | | | |

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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, 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 external card number is placed in the bottom left-hand corner (125kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Proximity Programming only.

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

⁵Please 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.



Custom Credentials

| Artwork C | hecklist | | |
|--|--|---|--|
| Company Name: | | PO No | Date: |
| Quantity: | | Card/Key/Tag and Artwork File No | <u></u> |
| | | s 500 cards per order. Some Custom Artworl Fags/Keys is 10,000 tags per order. | ks may be higher. |
| | This form, accompanied | with the "Custom Artwork placement an | d Inkjet Location Form" |
| | MUST be filled out, SIC | SNED and returned to HID so that your or | der can be processed. |
| Credential Type: St. 200 - iCLASS Card 206 - iCLASS Tag 1431/1441 - HID Pr 1450 - MIFARE DE: 1454 - MIFARE DE: | SFire S | S/Tags ☐ 202 - iCLASS Prox Card ☐ 208 - iCLASS Clamshell Card ☐ 1434/1444 - MIFARE Keyfob ☐ 1451 - MIFARE DESFire & Proximity ☐ 1455 - MIFARE DESFire Tag | ☐ 204 - iCLASS Wiegand ☐ 1430/1440 - MIFARE ☐ 1435/1445 - MIFARE Tag |
| Credential Type: Co ☐ 210 - iCLASS Card ☐ 1436/1446 - MIFAR ☐ 1457 - MIFARE DE: | E | Cards (Additional fee and longer lead-time) 212 - iCLASS Prox Card 1437/1447 - HID Proximity & MIFARE | ☐ 214 - iCLASS Wiegand ☐ 1456 - MIFARE DESFire |
| Artwork Placement, Artwork Placement Artwork Placement Font Style(s): Front Side Colors: Back Side Colors | | | |
| | | m artwork with a dye sublimation printer? [ting (Refer to the "Anti-Counterfeiting Description | |
| Card Options: | | | |
| Slot Punch ^{2.5} : Signature Panel: Front Card Finish: Back Card Finish: Magnetic Stripe Coerd Magnetic Stripe Type: | Gloss Matte | | <u>.</u> |
| Anti-Counterfeitin | g Options: | | |
| Invisible Ink: Micro-fine Print: Hologram ⁷ : | Red Blue G Yes No Surface | reen | |
| Some cards will have pring some cards will have a significant properties. Do not order slot punched 5 some video imaging printers. Surface Holograms cannoward representation, Warrant provided to HID for use in cards in the manner provexpenses (including reas by any custom artwork principle). | mall HID logo HID and reference of cards for use in dye sublimation priers cannot accommodate pre-slot pit be placed over internal electronics y and Indemnity. Customer represer n connection with this Custom Artwork ided in this Custom Artwork Checklionable attorney fees and costs of sucofs approved by the Customer." | ard to show the vertical slot punch location. number, custom artwork file number, and external number (o nters. Slot edge may damage the printer ribbon. Slot should b unched cards. Consult with the printer manufacturer prior to oi its and warrants to HID that it owns, controls, or otherwise has tk Checklist Form (the "Custom Artwork") and to authorize and st Form. Customer agrees to indemnify HID and hold it harmle it) arising out of the use by HID of the Custom Artwork in the | pe punched after dye sublimation printing. Indering s the full and unrestricted right to use the custom artwork d license HID to use and apply the Custom Artwork to the less from and against any claims, liabilities, losses and/or |
| Name: | | Signature: | Date: |

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Electronic Artwork Checklist

File Submission & Preparation

| This document gives digital artwork specifications from our press department. Use these guidelines and your project should go smoothly through the pre-press department. |
|--|
| ☐ MEDIA |
| Submit files via Email or on CD. Compressed files should be self extracting. Submitted media will not be returned o the customer. FTP site available upon request. |
| ☐ PLATFORM: MS WINDOWS®/Macintosh® |
| Projects that are set up in any of the major applications (listed below under "Graphic Applications") generally translate to Macintosh® smoothly. Save your final file with pictures embedded, <i>outlined fonts</i> and EPS Vector editable file. |
| □ FONTS |
| Use Type 1 fonts and include screen and printer fonts on disk. Type may be converted to paths or outlines, but we cannot make copy changes to text submitted in this form. In addition, converted type loses the benefits of PostScript font definitions; hence, type quality may suffer. This is more noticeable in small type (-18 point). |
| ☐ PLACED GRAPHICS |
| All placed graphics, saved as TIFF or EPS should be included in their native program. If a Photoshop image is placed in a Quark document, we need the Photoshop image to produce the job. Sizing, cropping, rotation, etc., should all be done to the element in its native program and placed in Quark. Color images should be converted from RGB to CMYK. Special colors should be designated using PMS or provide color sample to be matched. Resolution of color images, B&W halftones, or duotones should be 300 dpi. |
| ☐ GRAPHIC APPLICATIONS (latest version) |
| Adobe Photoshop® - Adobe Illustrator® - QuarkXpress® |
| ☐ BITMAPS AND TRACING |
| Scanned line art converted to bitmaps should have a resolution of 1200 - 2400 dpi. Lower resolutions will result in jagged curves. Many programs can convert (trace) bitmaps to vector drawings. Smoothing a traced image can be time consuming, but once completed yields a resolution independent graphic that will provide crisp reproduction for all future uses. We can provide this service for you at our regular file intervention rate. Minimum required DPI (dots per inch) is 300. |
| □ BLEEDS |
| Incorporate 0.125" of overwork for all bleed images. Any portion of the image that extends to the edge of the product is considered a bleed. Minimum required size with bleed is 2.227" x 3.477" for standard card size file. |
| ☐ MARGINS |
| Elements that do not bleed should be at least 0.125" from the edge. |
| |



Anti-Counterfeiting Descriptions

Laminated Lithographic Printing

High resolution (>3600 dpi) offset printing technology yields photographic quality images. Laminated printing places the ink layer under a rigid clear plastic overlay which protects the printed image from abrasion and allows you to re-print over the existing artwork on the card. The cards are compatible with all Photo ID printing methods: dye-sub, reverse transfer and resin transfer.

Surface Hologram

Holograms are one of the most recognizable anti-counterfeiting devices on the market. The optically variable image cannot be duplicated with standard printing. Surface holograms are applied via hot stamping to the exterior of the card surface. This style of application is common to all financial transaction cards.

Embedded Hologram

Embedded holograms are positioned under the rigid clear outer layer of the card surface. Unlike surface holograms, embedded holograms are amenable to due sublimation – allowing the entire card surface to be personalized. This application style furthers the effectiveness of the anti-counterfeiting feature by requiring expensive specialized equipment during manufacture.

OVI (Optical Variable Ink)

Color-shifting inks reflect various wavelengths in white light differently, depending on the angle of incidence to the surface. An unaided eye observes this effect as a change of color while the viewing angle is changed. This anti-counterfeiting method is commonly used on currency and travel documents.

Invisible Ultra-Violet (UV) Fluorescing Images

Common on credit card, currency and travel documents, invisible ink images provide a covert anti-counterfeiting mechanism. Though blue/violet fluorescing ink is readily available and inexpensive, red, green, yellow and orange fluorescing pigments remain difficult to acquire. This covert anti-counterfeiting device remains popular because of its relatively easy implementation in the field.

Micro-fine Printing

Very small spot color printing that exploits the limitations of inkjet, toner based (laser) and dye sublimation printers. Counterfeit reproductions can be determined with a handheld magnification tool.

Guilloche Printing

Fine line interlocking spot color patterns that are extremely difficult to scan and reproduce. These design elements are often multicolor and are commonly used on currency and travel documents.

Composite Formulations

Composite formulations are designed for durable applications and for use in dye sublimation printers that employ re-transfer technology and/or polyester laminate patches. Composite cards will minimize the warping caused by such processes. These formulations derive their strength from combining biaxial oriented polyester (OPET) with traditional Polyvinyl Chloride (PVC).



Custom Card Artwork Placement and Inkjet Location Guides

Standard PVC and Composite PVC/Polyester Cards

| Company Name: | | PO No. | Date | |
|---------------|---------------------------|--------|------|--|
| Quantity: | Card and Artwork File No. | | | |

1. External Number:

| ☐ Standard Location: | The standard external # le | ocation is shown on the | template below. Th | he external # can only | be printed on the |
|-----------------------|------------------------------|---------------------------|--------------------|------------------------|-------------------|
| back of the card. The | e external # will be printed | in the standard location, | unless otherwise | specified. | |

☐ Custom Location: Indicate the desired external # location by writing "12345" on the appropriate template. The external # can only be printed on the back of the card.

2. An Artwork File Number:

The artwork is placed on each card. The standard location is indicated by the "CCCCC". The standard location for the custom artwork number is on the back side of the card. Indicate/incorporate the artwork number on the artwork.

If there will be front side printing only, the custom artwork number will be placed on the printed side, opposite the standard location.

3. Artwork Placement:

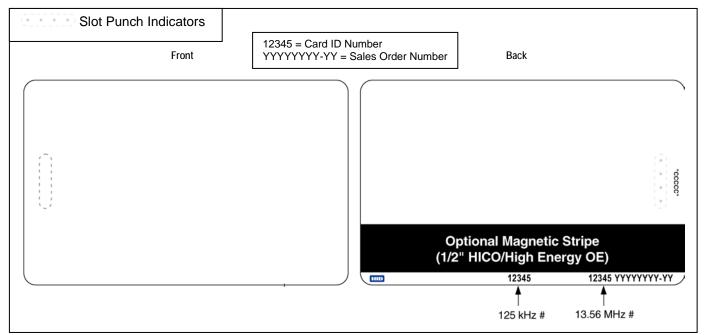
Indicate the placement of your artwork on the template below. Custom artwork must clear the slot punch locations and edges by a min. of 0.125".

4. Magnetic Stripe (Optional):

If the location of the magnetic stripe is custom (other than standard) and/or if other types of magnetic stripes are to be added to the card (for example Debitek stripe), indicate the locations of the magnetic stripe(s) on the template.

| ☐ Standard Location | ☐ Custom Location |
|-----------------------|---------------------|
| i i Standard Location | i i Custom Location |

Card Artwork Templates



Notes

- ¹ External # location reads in the direction as shown. External # character height is approximately 0.1".
- ² Cards will have a small HID logo HID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
- ³ A standard custom artwork file number is printed on the back side of the card. Front side printing of this same number is an option.
- ⁴ Slot punch location "indicators" will appear on the back side of the card only.
- ⁵ Do not order slot punched cards for use in dye sublimation printers. Slot edge may damage the printer ribbon. Slot should be punched after dye sublimation printing.
- ⁶ Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.

Signature:

ASSA ADIOV

Date:

Name:



Tag Credentials

| iCLASS Tag | ∐ MIFAI | RE Tag | ☐ MIFARE | DESFire Tag | 9 | | |
|---------------|---------|---------------------|----------|-------------|---|------|--|
| Company Name: | | | | PO No. | | Date | |
| Quantity: | | Tag and Artwork Fil | le No. | | | | |

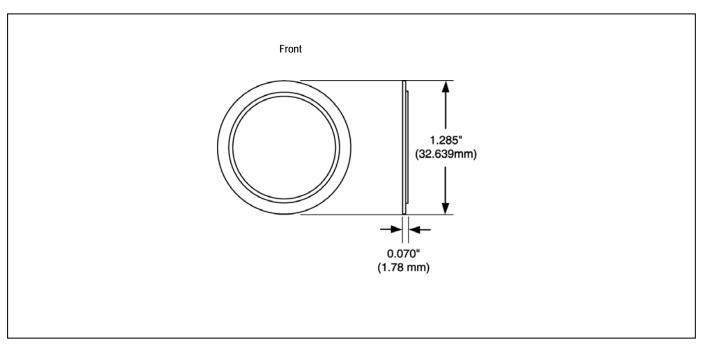
1. External Number:

☑ Standard Location: The external # can only be printed on the back of the Tag.

2. Artwork Placement:

Indicate the placement of your artwork on the template below (Front side only). Custom artwork must clear the inner circle by a min. of 0.125".

Tag Artwork Template



- Minimum order quantity 10,000 pieces per Purchase Order.
 Maximum two color artwork.

| Name: | Signature: | Date: | |
|-------|------------|-------|--|

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Clamshell Cards

| Company Name: | | PO No. | | Date | |
|---------------|---------------------------|--------|---|------|--|
| Quantity: | Card and Artwork File No. | | _ | | |

1. External Number:

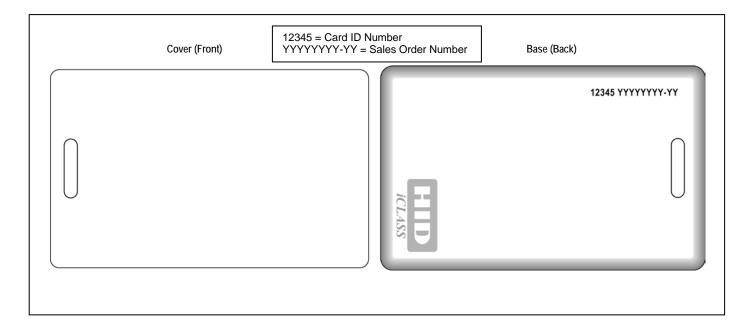
| Standard Location: | The standard external # | location is shown | on the template below. | The external # can | only be printed on |
|----------------------|-----------------------------|----------------------|--------------------------|--------------------|--------------------|
| the back of the card | I. The external # will be p | printed in the stand | ard location, unless oth | nerwise specified. | |

| Custom Location: | Indicate the desired | external # location | n by writing "1234 | 15" on the appropr | iate template. | The |
|-----------------------|-----------------------|---------------------|--------------------|--------------------|----------------|-----|
| external # can only b | oe printed on the bad | ck of the card. | | | | |

2. Artwork Placement:

Indicate the placement of your artwork on the template below. Custom artwork must clear the slot punch location and edges by a min. of 0.125"

Card Artwork Templates



Notes

- 1. All iCLASS Clamshell cards have a molded HID logo on the back side (as indicated) as well as a beveled edge all the way around the card. Custom artwork graphics need to clear the molded logo and bevel by a minimum of 0.125"
- 2. External # location reads in the direction as shown. External # character height is approximately 0.1"
- 3. There is no custom artwork file number on the iCLASS Clamshell.

| Name: | Signature: | Date: |
|-------|--------------|-------|
| | - | |



Legacy iCLASS Readers

iCLASS SE has superseded the majority of legacy iCLASS reader functionality. The remaining specialty models and applications continue to exist on the legacy iCLASS line until an SE replacement is made available.

bioCLASS Reader/Enroller and Read-Only Biometric Reader Part Numbers

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options ⁷ | Configuration Setting Options ¹ | iCLASS Security ² | MIFARE CSN ³ Wiegand Output | Keypad Configuration Setting Options ⁴ | Optional Custom |
|---|---------------------|-------------------------|------------------|----------------------------------|---|---------------------------------|---|--|--------------------|
| iCLASS RKLB57 Contactless Smart Card Biometric Reader/Enroller: Reader with LCD, Keypad, and fingerprint biometric module US, European and Asian Back Box Mount (Wiegand Output) Read Only, RoHS Compliant | 6180 | В | K = Black | R = Reader/Enroller ⁶ | 00 01 02 03 04 05 06 07 | 0 1 C D | 0 = N/A | 00 09 10 11 14 19 20 22 | -XXXX Y |
| iCLASS RKLB57 Contactless Smart Card Reader: with LCD, Keypad, and fingerprint biometric module US, European and Asian Back Box Mount (Wiegand Output) Read Only, RoHS Compliant (C&D Output) Requires reader/enroller or CP575A for enrolling fingerprint templates. | 6180 6188 | В | K = Black | T = Terminal Strip | 00 01 02 03 04 05 06 07 | 0 1 C D | 0 = N/A | 00 09 10 11 14 19 20 22 | -XXXX Y |

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

0 = 32 bit 1 = 32 bit reverse (Same as 6055A and 6055BXX0011)

⁴ Keypad data is output via Wiegand cable. Reader processes keystrokes. Configuration setting options:

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 23 = Buffer one to 11 keys

4 = 40 bit

5 = 37 bit

6 = 56 bit

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¹Configuration Setting Options are as follows (Factory or Field Configurable):

^{00 =} Beep on, LED normally red, reader flashes green on tag read 03 = Beep off, LED normally off, reader flashes green on tag read

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

^{01 =} Beep off, LED normally red, reader flashes green on tag read 02 = Beep on, 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

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

² iCLASS Security options (Factory or Field Configurable)

^{0 =} Standard; protects access and biometric applications (Reads/Enrolls all iCLASS cards with unique keys diversified from HID master key)

^{1 =} Elite; protects access and biometric applications (Reads/Enrolls only iCLASS cards with site-specific Elite key; consult factory for availability)

C = Standard with Open Collector Tamper enabled

D = Elite with Open Collector Tamper enabled

³MIFARE Card Serial Number (CSN) Wiegand Output Modes are as follows (Factory or Field Configurable). Refer to the "iCLASS Reader Wiegand Output Configuration Guide" for more details. (SETTING NOT APPLICABLE WITH ELITE ORDERS. ELITE READERS DO NOT READ MIFARE CSN.)

⁶ In addition to RKLB57 reader only (6180BKT), this part provides additional enrollment capabilities and multi-lingual support. Reader/Enroller is field configurable for one of the following behaviors: reader/enroller, reader-only or enroller-only, and field configurable for one of 10 languages (see datasheet for more information). This product replaces CP575 fingerprint template enroller (no longer available).



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

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iCLASS LCD Read-Only Readers

| Card Reader Description | I Dart No | Current Rev. No.* | Color Options | Hardware Options | Configuration Setting Options ¹ | Security ² | MIFARE CSN ³ Wiegand Output Mode | Keypad Configuration Setting Options ⁴ | Optional Custom ⁵ |
|---|--------------|-------------------------|---------------|--------------------|--|-----------------------|---|---|---------------------------------|
| iCLASS RKL55 Contactless Smart Card Reader: Read, with LCD and Keypad US, European and Asian Back Box Mount (Wiegand) Wiegand or Clock and Data output (C&D) RoHS Compliant | 6170 6178 | В | K = Black | T = Terminal Strip | 00 01 02 03 04 05 06 07 | 0 1 C D | 0 1 2 3 4 5 6 Z | 00 09 10 11 14 19 20 22 23 | -XXXX Y |

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

¹ Configuration Setting Options are as follows (Factory or Field Configurable):

^{00 =} Beep on, LED normally red, reader flashes green on tag read 03 = Beep off, LED normally off, reader flashes green on tag read

^{01 =} Beep off, LED normally red, reader flashes green on tag read
01 = Beep off, LED normally red, reader flashes green on tag read
04 = Beep on, LED normally red, host must flash green

^{04 =} Beep on, LED normally red, host must flash green 07 = Beep off, LED normally off, host must flash red and/or green

^{02 =} Beep on, LED normally off, reader flashes green on tag read 05 = Beep off, LED normally red, host must flash green

² iCLASS Security Options (Factory or Field Configurable): See Application Note Number 28 for additional information on Key Management.

^{0 =} Standard (Reads all iCLASS cards with unique keys diversified from HID master key)

^{1 =} Custom options (Reads only iCLASS cards with unique keys diversified from matching site specific master key; consult factory for availability)

C = Standard with Open Collector Tamper enabled

D = Custom with Open Collector Tamper enabled

³ MIFARE Card Serial Number (CSN) Wiegand Output Modes are as follows (Factory or Field Configurable). Refer to the "iCLASS Reader Wiegand Output Configuration Guide" for more details. (SETTING NOT APPLICABLE WITH ELITE ORDERS. ELITE READERS DO NOT READ MIFARE CSN.)

^{0 = 32} bit 1 = 32 bit reverse (Same as 6055A and 6055BXX0011) 2 = 26 bit 3 = 34 bit 4 = 40 bit 5 = 37 bit 6 = 56 bit Z = CSN Suppressed

⁴ Keypad data is output via Wiegand cable. Reader processes keystrokes. Configuration setting options:

^{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 23 = Buffer one to 11 keys

⁵ Contact Factory for pricing, availability, and minimum order quantity.

RoHS compliant Readers are appropriately marked on reader and box. (RoHS or Restriction of Hazardous Substances Directive restricts certain hazardous substances in electrical and electronic equipment.)



iCLASS Read/Write Reader Part Numbers and Options

| Card Reader Description | Base Part No. | Current Rev. No.* | Color Options | Hardware Options ⁶ | | iCLASS Security ² | MIFARE CSN ³ Wiegand Output Mode | Keypad Configuration Setting Options ⁴ | Optional Custom ⁵ |
|---|------------------|----------------------|-----------------------|---|-------------------------------|---------------------------------|---|---|---------------------------------|
| iCLASS RW100 Contactless Smart Card Reader/Writer: Read/Write Mullion Mount Wiegand and RS-232 or RS-485 or USB or UART (RoHS Compliant) | 6101 | С | G = Gray K = Black | T = RS232 4 = RS485(Full-Duplex M = RS485(Half-Duplex) U = USB B = UART to UART | 00 01 02 03 04 05 06 07 | 0 1 C D | 0 1 2 3 4 5 6 Z | For Keypad readers only | -XXXX Y |
| iCLASS RW150 Contactless Smart Card Reader/Writer: Read/Write Mullion Mount Wiegand and RS-232 or RS-485 or USB or UART (RoHS Compliant) | 6141 | С | G = Gray | T = RS232 4 = RS485(Full-Duplex M = RS485(Half-Duplex) U = USB B = UART to UART | 00 01 02 03 04 05 06 07 | 0 1 C D | 0 1 2 3 4 5 6 Z | For Keypad readers only | -XXXX Y |
| iCLASS RW300 Contactless Smart Card Reader/Writer: Read/Write European and Asian Back Box Mount Wiegand and RS-232 or RS-485 or USB or UART (RoHS Compliant) | 6111 | С | G = Gray K = Black | T = RS232 4 = RS485(Full-Duplex M = RS485(Half-Duplex) U = USB B = UART to UART | 00 01 02 03 04 05 06 07 | 0 1 C D | 0 1 2 3 4 5 6 Z | For Keypad readers only | -XXXX Y |
| iCLASS RW400 Contactless Smart Card Reader/Writer: Read/Write US, European and Asian Back Box Mount Wiegand and RS-232 or RS-485 or USB or UART (RoHS Compliant) | 6121 | С | G = Gray K = Black | T = RS232 4 = RS485(Full-Duplex M = RS485(Half-Duplex) U = USB B = UART to UART | 00 01 02 03 04 05 06 07 | 0 1 C D | 0 1 2 3 4 5 6 Z | For Keypad readers only | -XXXX Y |
| iCLASS RWK400 Contactless Smart Card Reader/Writer: Read/Write, with Keypad US, European and Asian Back Box Mount Wiegand Output, and/or RS-232/422 or USB or UART | 6131 | С | G = Gray K = Black | T = RS232 4 = RS485(Full-Duplex M = RS485(Half-Duplex) U = USB B = UART to UART | 00 01 02 03 04 05 06 07 | 0 1 C D | 0 1 2 3 4 5 6 Z | 00 09 10 11 14 19 20 22 23 | -XXXX Y |
| iCLASS RWKL550 Contactless Smart Card Reader/Writer: Read/Write, with LCD and Keypad US, European and Asian Back Box Mount Wiegand Output, and/or RS-232, RS-485, USB or UART (RoHS Compliant) | 6171 | В | K = Black | T = RS232 4 = RS485(Full-Duplex M = RS485(Half-Duplex) U = USB B = UART to UART | 00 01 02 03 04 05 06 07 | 0 1 C D | 0 1 2 3 4 5 6 Z | 00 09 10 11 14 19 20 22 23 | -XXXX Y |

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

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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

¹ Configuration Setting Options are as follows (Factory or Field Configurable):

^{00 =} Beep on, LED normally red, reader flashes green on tag read 03 = Beep off, LED normally off, reader flashes green on tag read

^{01 =} Beep off, LED normally red, reader flashes green on tag read 04 = Beep on, LED normally red, host must flash green

^{02 =} Beep on, LED normally off, reader flashes green on tag read 05 = Beep off, LED normally red, host must flash green

² iCLASS Security options (Factory or Field Configurable): See Application Note Number 28 for additional information on Key Management.

^{0 =} Standard (Reads all iCLASS cards with unique keys diversified from HID master key)

^{1 =} Elite Key (Reads only iCLASS cards with unique keys diversified from matching site specific master key; consult factory for availability)

C = Standard with Open Collector Tamper enabled

D = Custom with Open Collector Tamper enabled

³ MIFARE Card Serial Number (CSN) Wiegand Output Modes are as follows (Factory or Field Configurable). Refer to the "iCLASS Reader Wiegand Output Configuration Guide" for more details. (SETTING NOT APPLICABLE WITH ELITE ORDERS. ELITE READERS DO NOT READ MIFARE CSN.)

^{0 = 32} bit 1 = 32 bit reverse (Same as 6055A and 6055BXX0011) 4 = 40 bit5 = 37 bit6 = 56 bitZ = CSN Suppressed

⁴ Keypad data is output via Wiegand cable. Reader processes keystrokes. Configuration Setting options:

^{00 =} Buffer one key, no parity, 4 bit message 09 = Buffer one key, add compliment, 8 bit message (Dorado)

^{11 =} Buffer one key and add parity

^{20 =} Single Key buffering

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

^{10 =} Buffer six keys and add parity 19 = Buffer four keys and add parity 23 = Buffer one to 11 keys

⁵ Contact Factory for pricing, availability, and minimum order quantity.

⁶ All the following communication modules allow host driven communication using the iCLASS Serial Protocol. All the following communication modules (except USB) allow for card ID reporting instantiated by the reader. For multi-drop functionality, see iCLASS OSDP Readers. All Reader/Writers are terminal strip readers. RoHS compliant Readers are appropriately marked on reader and box. (RoHS or Restriction of Hazardous Substances Directive restricts certain hazardous substances in electrical and electronic equipment.)



EDGE Readers

EDGE EVO Solo Part Numbers

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

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



13.56 MHz Accessories

| Part No. | Description |
|-----------------|---|
| iCLASS Reader A | Accessories |
| 6303-104-01 | Mini-Mullion Reader Mounting Plate for iCLASS SE R10, RP10 and iCLASS RW100 |
| 6309-103-01 | Mullion Reader Mounting Plate for iCLASS SE R15 and RP15 |
| 6402-103-01 | EU/Asian Reader Mounting Plate for iCLASS RW300 |
| 6403-109-01 | Wall Switch Reader Mounting Plate for iCLASS SE R40, RP40 and iCLASS RW400 |
| 6094-101-01 | Wall Switch Keypad Reader Mounting Plate for iCLASS SE RK40, RPK40 and iCLASS RWK400 |
| 6132AKB | Mini-Mullion Reader Spacer for iCLASS SE R10, RP10 and iCLASS RW100, Black |
| 6132AKC | Mullion Reader Spacer for iCLASS SE R15, RP15, Black |
| 6132AKD | EU/Asian Reader Spacer for iCLASS RW300, Black |
| 6132AKE | iCLASS Wall Switch Reader Spacer, Black (works with R40, RP40, RS40, RSP40, RW400, R40-T, RP40-T) |
| 6132AK | iCLASS Wall Switch Keypad Reader Spacer, Black (works with RK40, RPK40, RSK40, RSPK40, RWK400, RK40-T, RPK40-T) |
| 400-2D71-06 | iCLASS reader security screw (Qty 1) |



iCLASS Programming Platform

HID Global's iCLASS Programming Platform allows the programming of a configured iCLASS card through a FARGO[®] HDP printer, increasing the flexibility of programming options for customers. Through this platform, the HID Access Control Application is programmed directly to a card with unique facility codes and card numbers. This tool allows a dealer or integrator to support multiple customers with a stock of configured cards, programming the cards only when the customer wishes. For the dealer or integrator, increase flexibility offering fully programmed iCLASS cards at a moment's notice.

End users benefit from this platform by maintaining control over their facility codes and card numbers, printing identification badges within their own facility. Use the iCLASS Programming Platform to replace lost badges on the spot instead of having to experience any delays from re-ordering an iCLASS card from their local dealer or integrator.

Components of the iCLASS Programming Platform

- · Configured iCLASS Credentials
- iCLASS Programming Platform Encoder installed within an Fargo HDP Printer
- iCLASS Programming Platform Smart Card containing a specific facility code and the number of credential credits purchased
- Fargo HDP 5000 or HDPii Printer
- Asure ID Card Personalization Software (Enterprise Version)

Configured iCLASS Credentials

Configured iCLASS Credentials come with all your standard card body options, including PVC and Composite makeup, from 2k to 32k in size. A configured iCLASS Credential has the Access Control Application loaded with the application lay-out defined, but does not contain specific facility codes or card numbers. These are added through the iCLASS Programming Platform.

Encoder

The iCLASS Programming Platform Encoder is a specialized version of an HID encoder that installs directly to the HDP Printer. This encoder communicates with the iCLASS Programming Platform Smart Card and Asure ID Card Personalization Software to program cards with the appropriate facility code, card number and other data. In a single pass, program this card data, and enable a personalized photo, background image or other security features through the Fargo printer.

Smart Card with Facility Code and Credential Credits

Order the iCLASS Programming Platform Smart Card with a specific facility code and required number of credential credits. When inserting this smart card into an external contact smart card reader (OMNIKEY readers offer several options), the iCLASS Programming Platform Smart Card communicates with the iCLASS Programming Platform Encoder allowing the programming of a configured iCLASS Credential with the appropriate facility code and other information from Asure ID.

FARGO HDP Printers and Asure ID are products from HID Global. Go to www.hidglobal.com > Solutions > Fargo Printers to find your local Authorized Integrator.



iCLASS Programming Platform Ordering Guide

The iCLASS Programming Platform consists of configured cards, an encoder and smart cards used in combination with an HDP printer and Asure ID software. When completing this order, ensure discussing all choices with the user.

| Configured iCLASS Programming Platform Cards |
|--|
| Ensure checking each required option with the appropriate choice to fulfill a completed order. |
| Base Model 200 Standard PVC 210 Composite 40% Polyester / PVC * |
| iCLASS Memory Size and Allocation (Check One) 0 - 2k Bits (256 Bytes) with 2 Application Areas 1 - 16k Bits (2k Bytes) with 2 Application Areas 2 - 16k Bits (2k Bytes) with 16 Application Areas 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Front Packaging |
| Programming (Check One) ☐ C - Configured, Non-Programmed iCLASS. Programming Information Not Required. |
| Front Packaging (Check One) G - Plain White with Gloss Finish |
| Back Packaging (Check One) G - Plain White with Gloss Finish¹ 0.033" |
| Card Numbering³ (Check One) □ N - No External Card Numbering |
| Slot Punch (Check One) N - No Slot Punch (Printed location of vertical slot punch will remain) Back Packaging |
| Enter your final card options from checked boxes above. Example: 2001CGGNN Final Part Number |
| ¹ Cards ordered with plain white front and back packaging still have a small HID logo and reference number printed in the lower left-hand corner The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering. |
| iCLASS Programming Platform Encoder |
| □ 089182 H5K-SDI-D-ENCODER – contains docking station for insertion into the HDP Printer bay two (2) □ 089181 H5K-SDI-ENCODER – for insertion into the HDP Printer bay zero (0) |
| iCLASS Programming Platform Smart Card |
| Dec. Martin |
| Base Model VCI-SCCC VCI-SCCF |
| Customers should choose VCI-SCCC if they wish to use any card number contained within the range permitted by the format number selected. |
| For example, format number H10301 allows for 65,535 card numbers and customers who select VCI-SCCC use any of those numbers. |
| VCI-SCCF restricts the card number to the next in the series. If the customer has previously ordered and used card numbers 1 – 50, the next set of numbers start at 51. Using VCI-SCCF prevents duplication of card numbers within the facility code and format range. |
| Facility Code: |
| Format Number: |
| iCLASS Elite ICE Number (if applicable): |
| Number of Credits: |

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Corporate 1000 Format Request & Authorization Form

Corporate 1000[®] is a 35-bit card format that is developed specifically for use by individual end-user organizations. Organizations must qualify, formally enroll and be accepted by HID Global Corporation.

The Corporate 1000 Format is offered to large, multi-location, and end-user organizations which use HID access control readers and cards. In this program, the end-user has the flexibility to choose any access control hardware/software platform and any HID System Provider. As the end-user utilizing the Corporate 1000 Program, fill in your company information in **TABLE 1**. Ensure all fields are complete for the primary and secondary (if desired) authorized contacts within your company.

Table 1: Your Company's Primary and Secondary Contacts

| Information | Security Director Contact | IT Director Contact |
|---|--|--|
| Company Name | | |
| Mailing Address | | |
| City | | |
| State/Province | | |
| Country | , | |
| Zip/Postal Code | | |
| Contact Name | | |
| Title | | |
| Contact Signature | Х | х |
| Phone Number | | |
| Fax Number | | |
| Email Address | | |
| Card numbers available within the Corpora | ate 1000 format are 0 – 1,048,575. | |
| Indicate the card number in which your first or | der should start: Enter start number he | <u>ere</u> . |
| All card numbers following this number will be at one (1). Should you require assistance, con | | ify a card start number, your first order will start ctly. |
| Added card security: | | |
| ☐ Invisible Ink ☐ Advantage OVD ☐ Ho | ologram Micro-fine Printing S | Signature Panel |
| Once accepted into the Corporate 1000 Prowithin your organization. Please sign below Agreement. | ygram, HID shall grant a royalty free li w to enroll in this program and to con | icense to use the Corporate 1000 Format nfirm your acceptance of the License |
| ACCEPTANCE OF HID CREDENTIAL PRO The undersigned party hereby accepts and a License Agreement is located at www.hidglobaundersigned party authorizing the use of cert Corporate 1000 Program. | agrees to be bound by the terms and cor al.com/pdfs/credential_license.pdf, pursuant to | |
| Dated: | Authorized Signature : X | |
| Company Name : | Contact Name: | |
| | Title : | · |

To ensure the security of your card format, authorize any HID System Provider to purchase and manage your Corporate 1000 cards on your behalf. Enter authorized HID System Provider information in **Table 2**, and HID System Installers in **Table 3**.

Use this form to communicate all authorization concerning your Corporate 1000 format. It is recommended for each end-user to maintain an original copy of this form listing all authorizations.

June 2015



Table 2: Authorized HID System Providers

| | Company # 1 | Company # 2 |
|-------------------------------|-------------|-------------|
| Company Name | | |
| Contact Name | | |
| Title | | |
| Address | | |
| Phone Number | | |
| Fax Number | | |
| Email Address | | |
| Authorized End-User Name | | |
| Authorized End-User Signature | х | х |
| Date | | |

Table 3: Authorized HID System Installers

| | Company # 1 | Company # 2 |
|-------------------------------|-------------|-------------|
| Company Name | | |
| Contact Name | | |
| Title | | |
| Address | | |
| Phone Number | | |
| Fax Number | | |
| Email Address | | |
| Authorized End-User Name | | |
| Authorized End-User Signature | Х | х |
| Date | | |

Send to HID Global for approval and processing by faxing: 949-732-2359.

For assistance, contact your Customer Service Representative. To add or remove authorizations, submit an HID Global Corporate 1000 Change Form.

For Internal Use Only:

| HID Sales Manager: | x | |
|-----------------------------------|---------------------------------------|------|
| Print Name | Signature | Date |
| Issued Corporate 1000 Format No.: | Entered by HID Global after approval. | |

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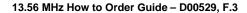


iCLASS Elite Program Request & Authorization Form

The iCLASS Elite/Custom Format program includes a credential format and custom authentication key. Use any format, including the HID Corporate 1000 format. Corporate 1000 is a 35-bit card format available for qualified end-users by formal enrollment and acceptance by HID Global. A custom authentication key provides increase security. HID assigns the key to guarantee uniqueness, and programs the site-specific readers and credentials.

With the iCLASS Elite/Custom Format program, the end-user has the flexibility to choose any access control hardware/software platform, or any HID System Provider. As the iCLASS Elite/Custom Format program end-user, enter your company information in the table below. Ensure all fields are complete for the primary and secondary (if desired) authorized contacts within your company.

| Information | Primary (| Company Contact | Secondary Company Contact |
|---------------------------------|--|---|--|
| Company Name | | | |
| Mailing Address | | | |
| City | | | |
| State/Province | | | |
| Country | | | |
| Zip/Postal Code | | | |
| Contact Name | | | |
| Title | | | |
| Contact Signature | Х | | х |
| Phone Number | | | |
| Fax Number | | | |
| Email Address | | | |
| Enter the program features: | | | |
| 35-Bit Credential Format, if di | fferent, enter: | ☐ Cus | tom Authentication Key |
| | | | yalty free license to use the iCLASS Il in this program and your acceptance |
| License Agreement is located | / accepts and agrees to be be at www.hidglobal.com/pdfs/creder the use of certain credential | ound by the terms and condit htial_license.pdf, pursuant to wh | ions of the HID Credential Program. ich a license is granted to the articipation by the undersigned in the HID |
| Dated: | Auth | orized Signature : X | |
| Company Name : | | Contact Name: | |
| | | Title : | |
| | | | |





To ensure the security of your card format, authorize any HID System Provider to purchase and manage your iCLASS Elite/Custom Format Credential on your behalf. Enter authorized HID System Provider information in **Table 5**, and System Installers in **Table 6**.

Use this form to communicate all authorization concerning your iCLASS Elite/Custom Format. It is recommended for each end-user to maintain an original copy of this form listing all authorizations.

Table 5: Authorized HID System Providers

| | Company # 1 | Company # 2 | |
|-------------------------------|-------------|-------------|--|
| Company Name | | | |
| Contact Name | | | |
| Title | | | |
| Address | | | |
| Phone Number | | | |
| Fax Number | | | |
| Email Address | | | |
| Authorized End-User Name | | | |
| Authorized End-User Signature | Х | х | |
| Date | | | |

Table 6: Authorized HID System Installers

| | Company # 1 | Company # 2 |
|-------------------------------|-------------|-------------|
| Company Name | | |
| Contact Name | | |
| Title | | |
| Address | | |
| Phone Number | | |
| Fax Number | | |
| Email Address | | |
| Authorized End-User Name | | |
| Authorized End-User Signature | X | х |
| Date | | |

Send to HID Global for approval and processing by faxing: 949-732-2359.

For assistance, contact your Customer Service Representative. To add or remove authorizations, submit an HID Global iCLASS Elite Program/Custom Format Change Form.

For Internal Use Only:

| HID Sales Manager: | x | |
|---|---------------------------------------|------|
| Print Name | Signature | Date |
| Issued iCLASS Elite Program Format No.: | Entered by HID Global after approval. | |

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iCLASS Elite Program/Custom Format Change Form

The iCLASS Elite program/Custom Format includes a credential format and custom authentication key. Use any format, including the HID Corporate 1000 format. Corporate 1000 is a 35-bit card format available for qualified end-users by formal enrollment and acceptance by HID Global.

To ensure the security of your card format, authorize any HID System Provider to purchase and manage your iCLASS Elite/Custom format on your behalf. Enter authorized HID System Provider information in the table below.

Use this form to communicate all authorization changes concerning your iCLASS Elite/Custom format. It is recommended for each end-user to maintain an original copy of this form listing all authorizations. Changes made on this change form do not alter the terms and conditions originally established from the iCLASS Elite/Custom Format Program Request & Authorization Form.

| Company End-User | | Program Number |
|---|--|--|
| able 7: Authorized HID System F | Providers – Add or Remove | |
| ubic 1. Additionized this cystem i | Company # 1 | Company # 2 |
| | ☐ Add / ☐ Remove | ☐ Add / ☐ Remove |
| Authorized to purchase cards on your behalf | ☐ Yes / ☐ No | ☐ Yes / ☐ No |
| HID System Provider | | |
| Contact Name | | |
| Phone Number | | |
| Fax Number | | |
| Email Address | | |
| Authorized End-User Name | | |
| Authorized End-Oser Name | | |
| | x | х |
| Authorized End-User Signature Date Table 8: Your Companies Primar | y and Secondary Contacts – Ad | |
| Authorized End-User Signature Date | y and Secondary Contacts – Ad | |
| Authorized End-User Signature Date able 8: Your Companies Primar | y and Secondary Contacts – Ades their signature for verification. | d or Remove |
| Authorized End-User Signature Date Table 8: Your Companies Primar insure the authorized End-User provide | y and Secondary Contacts – Ades their signature for verification. Company # 1 | d or Remove Company # 2 |
| Authorized End-User Signature Date Table 8: Your Companies Primar Ensure the authorized End-User provide | y and Secondary Contacts – Ades their signature for verification. Company # 1 | d or Remove Company # 2 |
| Authorized End-User Signature Date Table 8: Your Companies Primar insure the authorized End-User provide Name Title | y and Secondary Contacts – Ades their signature for verification. Company # 1 | d or Remove Company # 2 |
| Authorized End-User Signature Date Table 8: Your Companies Primar insure the authorized End-User provide Name Title | y and Secondary Contacts – Ades their signature for verification. Company # 1 Add / Remove | d or Remove Company # 2 Add / Remove |
| Authorized End-User Signature Date Table 8: Your Companies Primar insure the authorized End-User provide Name Title Signature | y and Secondary Contacts – Ades their signature for verification. Company # 1 Add / Remove | d or Remove Company # 2 Add / Remove |
| Authorized End-User Signature Date Table 8: Your Companies Primar Ensure the authorized End-User provide Name Title Signature Address | y and Secondary Contacts – Ades their signature for verification. Company # 1 Add / Remove | d or Remove Company # 2 Add / Remove |
| Authorized End-User Signature Date Table 8: Your Companies Primarensure the authorized End-User provide Name Title Signature Address Phone Number | y and Secondary Contacts – Ades their signature for verification. Company # 1 Add / Remove | d or Remove Company # 2 Add / Remove |
| Authorized End-User Signature Date Table 8: Your Companies Primar Ensure the authorized End-User provide Name Title Signature Address Phone Number Fax Number | y and Secondary Contacts – Ades their signature for verification. Company # 1 Add / Remove | d or Remove Company # 2 Add / Remove |
| Authorized End-User Signature Date Table 8: Your Companies Primarensure the authorized End-User provide Name Title Signature Address Phone Number Fax Number Email Address | y and Secondary Contacts – Ades their signature for verification. Company # 1 Add / Remove | d or Remove Company # 2 Add / Remove |

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