# iCLASS + Other HF Embeddable Card - 243

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

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

| Base Model | ☒ **243 Composite 40% Polyester / PVC*** |
|---|---|

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

☐ **0** - 2k Bits (256 Bytes) with 2 Application Areas
**(only available with MIFARE CLASSIC 1K)**

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

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

## Card Programming (select one option)

☐ **J** - iCLASS programmed with Security Identity Object (SIO)
and iCLASS standard access control application,
2nd technology programmed with Security Identity Object (SIO).

☐ **H** - iCLASS programmed with Security Identity Object (SIO)
and iCLASS standard access control application,
2nd technology unprogrammed.

☐ **B** - iCLASS programmed with iCLASS standard access
control application, 2nd Technology programmed with
HID MIFARE (MIFARE Classic) or custom (MIFARE DESfire).

☐ **P** - iCLASS programmed with iCLASS standard access
control application, 2nd Technology unprogrammed.

☐ **C** - Unprogrammed iCLASS, for use with iCLASS SE Encoder,
Non-programmed 2nd Technology.

☐ **A** - iCLASS unprogrammed, for use with iCLASS SE Encoder,
2nd Technology programmed with HID MIFARE
(MIFARE Classic) or custom (MIFARE DESfire).

## 2nd High Frequency Technology (select one option)

☐ **M** - MIFARE Classic 1K Bytes **(only available with iCLASS 2k bits)**

☐ **N** - MIFARE 4K Bytes

☐ **K** - MIFARE DESFire EV1 8K Bytes
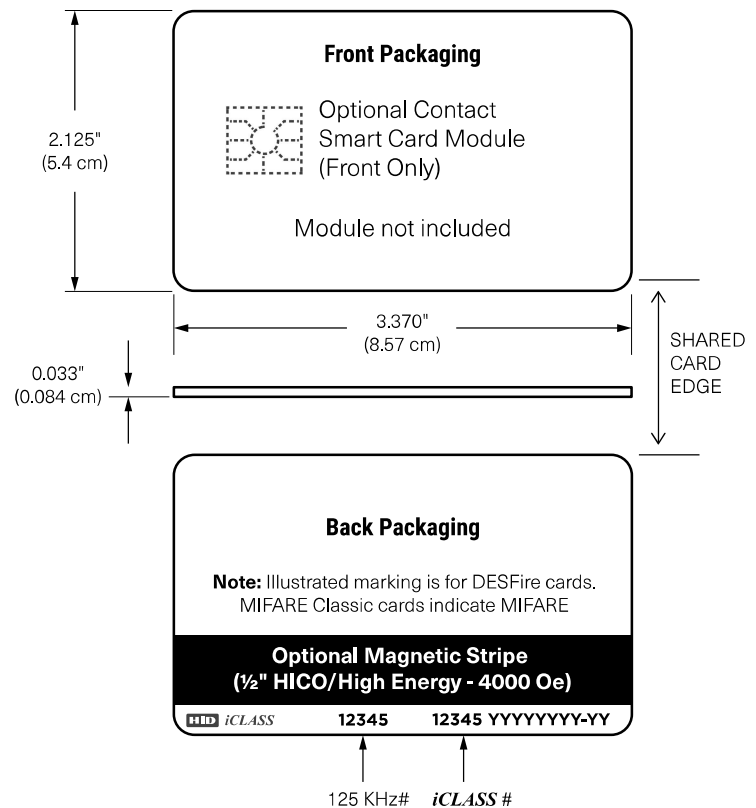
## Front Packaging (select one option)

☐ **G** - Plain White with Gloss Finish

☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

## Back Packaging (select one option)

☐ **G** - Plain White with Gloss Finish[2]

☐ **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number[1]

☐ **1** - Plain White with Gloss Finish with Magnetic Stripe[2]

☐ **3** - Custom Artwork with Gloss Finish with Magnetic Stripe -
Specify Custom Artwork Number[1]

## iCLASS Card Numbering[3] (select one option)

☐ **N** - No External Card Numbering

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

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

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

**Front Packaging**

Optional Contact
Smart Card Module
(Front Only)

Module not included

2.125"
(5.4 cm)

3.370"
(8.57 cm)

0.033"
(0.084 cm)

SHARED
CARD
EDGE

**Back Packaging**

**Note:** Illustrated marking is for DESFire cards.
MIFARE Classic cards indicate MIFARE

**Optional Magnetic Stripe**
**(½" HICO/High Energy - 4000 Oe)**

**HID** *iCLASS*    12345    12345 YYYYYYYY-YY

125 KHz#    *iCLASS* #

## Slot Punch

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

☒  **N** - No Slot Punch.

## 2nd High Frequency Technology Card Numbering[3] (select one option)

☐  **N** - No External Card Numbering

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

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

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

## Option - Custom Artwork[1]

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

## Enter your final card options from the above selections. Example: 2434PNGGNNN

| Final Part Number | 243 | | | | | | | N | | — | (Options #) |
|---|---|---|---|---|---|---|---|---|---|---|---|

## iCLASS Programming Information

| Format Number (e.g. H10301) | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|---|---|---|---|---|---|
| | | | | | |
| **Bit Numbers (e.g. 26 bit)** | | | | **Printed Start Number** | **Printed Stop Number** |
| | | | | | |
| **ICE Number** | | | | | |
| | | | | | |

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

## 2nd 13.56 MHz Programming Information

| Format Number (e.g. H10301) | Field Name(s) e.g. Facility Code | Value | QTY | Encoded Start Number | Encoded Stop Number |
|---|---|---|---|---|---|
| | | | | | |
| **Bit Numbers (e.g. 26 bit)** | | | | **Printed Start Number** | **Printed Stop Number** |
| | | | | | |
| | | | | | |

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

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

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