Readers and Credentials How to Order Guide

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Contacts

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

What's new

Date	Description	Revision
November 2022	Updates Mobile Access Essentials subscription information.	D.3

A complete list of revisions is available in **Revision history**.



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	iCLASS Tag - 206	93
	iCLASS Clamshell Card - 208	94
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1. Readers

Understanding HID Global Readers

Can I configure my reader product online?

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

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

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

What should I know about security keysets?

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

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

The keyset governs a variety of keys, including:

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

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

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

iCLASS SE Reader Standard Security Keysets

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

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



HID Signo Reader Credential Profiles

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

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

Supported

- Not supported

How can I order HID Elite configured readers?

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

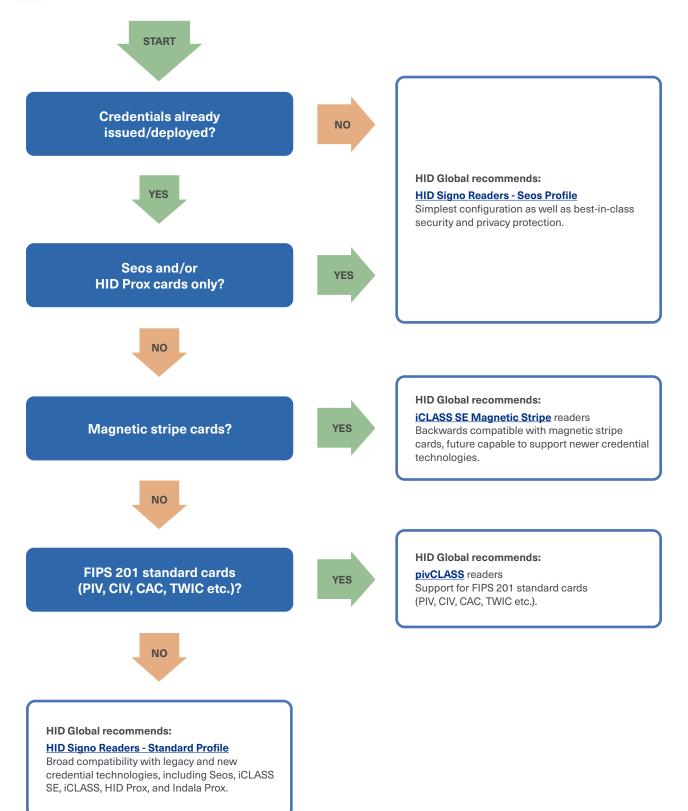
How can I check the status of my order?

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



Selecting the Right Reader

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





HID Signo Readers

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

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

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





1. Select hardware option (select one model)



20 - Designed for applications requiring a narrow card reader.



40 - Designed for applications requiring switch mounting.



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



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

Wiring Connection (select one option)

N - Pigtail

☐ T - Terminal Strip

Body Color

X K - Black

Trim/Mounting Plate Color

X S - Silver

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

2. Select credential profile (select one option)

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

Supported — Not supported



3. Select configuration option

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

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

- · Idle LED color is RED, flash GREEN on card read
- Tamper enabled
- · Keypad 4-bit burst, Keypad backlight RED (keypad readers only)
- · Visual Impaired Mode enabled
- Velocity Check disabled and Intelligent Power Management mode disabled
- Wiegand, OSDP V1, or OSDP V2 controller communication

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

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

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

Assemble your selections from Step 1 to 3.

	Reader Model	Wiring Connection	Body Color	Trim Color		Credential Profile		Configuration Option	
Example	20	T	K	S	-	00	_	000000	
Final Part Number			K	S	-		_	000000	

5. Place an order

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



HID Signo Common and Popular orderable Part Numbers

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

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

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

HID Signo Accessories and Credentials

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

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

Wall Spacers		Part Number
	Signo 20/20K Reader 0.5 Inch Spacer, Black	20-K-05
	Signo 20/20K Reader, 0.5 Inch Spacer, Silver	20-S-05
	Signo 20/20K Reader, 1 Inch Spacer, Black	20-K-10
	Signo 20/20K Reader, 1 Inch Spacer, Silver	20-S-10
	Signo 40/40K Reader, 0.5 Inch Spacer, Black	40-K-05
	Signo 40/40K Reader, 0.5 Inch Spacer, Silver	40-S-05
	Signo 40/40K Reader, 1 Inch Spacer, Black	40-K-10
	Signo 40/40K Reader, 1 Inch Spacer, Silver	40-S-10

0.5 Inches = 1.27 cm 1 Inch = 2.54 cm



Mounting Plate/Trim	n Color	Part Number
	Signo 20 Reader Mounting Plate, Black	20-K-MP
	Signo 20 Reader Mounting Plate, Silver	20-S-MP
	Signo 20K Reader Mounting Plate, Black	20KT-K-MP
	Signo 20K Reader Mounting Plate, Silver	20KT-S-MP
	Signo 40 Reader Mounting Plate, Black	40-K-MP
7 7	Signo 40 Reader Mounting Plate, Silver	40-S-MP
	Signo 40K Reader Mounting Plate, Black	40KT-K-MP
	Signo 40K Reader Mounting Plate, Silver	40KT-S-MP

HID Signo Reader Configuration

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

The App Store (Apple devices)

Google Play (Android devices)







HID Signo PIV Readers

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

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

If you are connecting the Signo PIV Reader directly to a panel or intelligent controller for use with either Wiegand or OSDP (PAM support will be added in a future firmware release), use this page to construct the appropriate part number.

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



1. Select hardware option (select one model)



20 - Designed for applications requiring a narrow card reader.



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



40 - Designed for applications requiring switch mounting.



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

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

▼ H - BAA

Wiring Connection (select one option)

N - Pigtail

T - Terminal Strip

Body Color

X K - Black

Trim/Mounting Plate Color

S - Silver

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

2. Select credential profile

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

Communication	NFC/ BLE		High Frequency Low F					Frequency									
Credentials Supported	Seos (Mobile IDs via NFC/BLE)	Seos	ICLASS SE	ICLASS SR	iclass	MIFARE DESFire EV1/ EV2 (SIO)	MIFARE Classic (SIO)	MIFARE DESFire EV1/ EV2 (CSN)	MIFARE Classic (CSN)	MIFARE DESFire EV1/ EV2 (Custom Data)	MIFARE Classic (Custom Data)	FeliCa Idm	CEPAS (CAN or UID)	FIPS-201 CHUID	125kHz HID Proximity	125kHz Indala Proximity	125kHz EM4102 Proximity
☐ 03 - Custom Profile	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Supported



3. Select configuration option

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

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

For any other configuration, including non-standard credential configurations, please work with your local HID representative. An example of a "non-standard" credential configuration would be where you would like to order a HID Signo PIV Reader with Indala and CSN credential read capability disabled.

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

Assemble your selections from Step 1 to 3.

	Reader Model	BAA	Wiring Connection	Body Color	Trim Color		Credential Profile		Configuration Option
Example	40K	Н	Т	K	S	-	03	-	0004XR
Final Part Number		Н		K	S	-	03	-	

5. Place an order

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

HID Signo PIV Reader common and popular orderable part numbers

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

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

HID Signo PIV Reader configuration

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

Notes: 1. An Android device is needed to enable BLE via NFC, BLE is then used to configure HID Signo PIV Readers via HID Reader Manager, after configuration is complete BLE can also be disabled with the tool.

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

Google Play (Android devices)





HID Signo Biometric Reader

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

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





1. Select hardware option



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

Wiring Connection

N - Pigtail

Body Color

X - Black

Trim/Mounting Plate Color

X S-Silver

3. Select credential profile

Communication	NFC/BLE		High Frequency							
Credentials Supported	Seos (Mobile IDs)	Seos	iCLASS SE	iCLASS SR	iCLASS	MIFARE DESFire EV1/ EV2/EV3 (CSN)	MIFARE Classic (CSN)			
	•	•	•	•	•	•	•			

4. Select configuration option

X 000000 − Standard Configuration:

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

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

5. Final orderable SKU

Assembling the selections from Step 1 to 3.

Final Part Number: 25BNKS-10-000000

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

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



HID Signo Fingerprint Enrollment USB Reader

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

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

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



iCLASS SE Readers

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

iCLASS SE Readers - Seos Profile with Bluetooth Option

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

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





ict part number

1. Select one option from each of the following sections to	o construct part number
Reader Model (select one model)	
900 - Model R10 - Designed for door applications requiring a small footprint card reader.	910 - Model R15 - Designed for door applications requiring a mullion style mounting.
920 - Model R40 - Designed for door applications requiring standard wall switch mounting.	921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input.
125 kHz Credential Support (select one option) ☐ N - No 125 kHz support	
P - Support for HID Prox	
13.56 MHz and Bluetooth credential support (select one option) ☐ S - Supports Seos cards, and Mobile IDs via NFC. ☐ B - Supports Seos cards, and Mobile IDs via NFC and Bluetooth Smart.	
Controller Communication N - Wiegand	

Wiring Connection (select one option)

N - Pigtail

P-OSDP

T - Terminal strip

Hardware Revision

X E - Revision E

Color

X - Black

Keyset (select one option)

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

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



Configuration Settings

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

- · LED normally red, LED flashes green and beeps on card read.
- · Keypad output is 4-bit (if keypad reader).
- · Wiegand only, for OSDP a non-standard configuration will be required.

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

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

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

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

3. Place an order

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

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

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

- Mobile IDs
- Seos
- · Seos + Prox

iCLASS SE Reader - Seos Profile Configuration Cards

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

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



iCLASS SE Readers - Standard Profile with Bluetooth

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

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



Access.

supported.

1. s	select one option from each of the following sections	
Read	ader Model (select one model)	
_	900 - Model R10 - Designed for door applications requiring a small footprint card reader.	910 - Model R15 - Designed for door applications requiring a mullion style mounting.
_	920 - Model R40 - Designed for door applications requiring standard wall switch mounting.	921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input.
Larry	95B - Décor Model - Designed for door applications requiring low profile EU square wall switch mounting.	
	5 kHz Credential Support (select one option) N - No 125 kHz support	
∐ F	P - Support for HID Prox, AWID and EM4102 (32 bits)	
⊠ ľ	.56 MHz and Bluetooth Credential Support M - Support for HID Mobile Access Mobiles IDs via NFC and Bluetooth Smart - iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO), MIFARE DESFire EV1 (S	
	ntroller Communication (select one option) N - Wiegand	
_	C - Clock & Data	
	P-OSDP	
Wirii	ring Connection (select one option)	
	N - Pigtail (not available on 95B)	
□ 1	T - Terminal strip	
Hard	rdware Revision	
× E	E - Revision E	
Colo	lor	
_	K - Black	
_	G - Grey (available on 95B only)	
∐ \	W - White (available on 95B only)	
	yset (select one option)	
	M - Mobile-Ready: Prepared to support HID Mobile Access, but lacks the perso IDs. This configuration can be ordered at any time but will require field activation	· ·

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



Configuration setting (select one option)

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

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

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

Communication	125 kHz Support	Keypad Reader	Extension
	N. No.	No	☐ A001
N. Wiswand	N - No	Yes	☐ A002
N - Wiegand	D. Vaa	No	☐ A003
	P - Yes	Yes	☐ A004
	NI NI-	No	☐ A005
P - OSDP	N - No	Yes	☐ A006
h - 02Nh	D. Vaa	No	☐ A007
	P - Yes	Yes	□ A008

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

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

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

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

3. Place an order

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

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

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

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



iCLASS SE Readers - Standard Profile

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

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



1. Select one from each of the following sections

Reader Model (select one model) 900 - Model R10 - Designed for door applications requiring a small footprint card reader. 921 - Model RK40 - Designed for door applications standard wall switch mounting. Supports keypad input. 910 - Model R15 - Designed for door applications requiring a mullion style mounting. 940 - Model R90 - Designed for vehicle access applications requiring extended read range. 95A - Décor model - Designed for door applications low profile EU square wall switch mounting.

125 kHz C redential Support (select one option)

TEO MITE O TCGCITGG	ouppoit	(ocicot one	•
N - None			

P - Supports HID Prox, AWID and EM4102 (32 bits). Not available on models 940 or 95A.

L - Supports Indala Prox, please make sure to provide needed format at time of order. Not available on models 940 or 95A. Not available with OSDP communication and/or Custom Programming or Transit.

13.56 MHz Credential Support (select one option)

	Seos	iCLASS SE	iCLASS SR	iCLASS	MIFARE Classic (SIO)	MIFARE DESFire EV1 (SIO)	Mobile IDs via NFC	Mobile IDs via Bluetooth Smart	ISO14443 UID	MIFARE Classic (Custom data)	MIFARE DESFire EV1 (Custom data)	FeliCa IDm	CEPAS CAN or UID
■ N - High security	•	•	•	_	•	•	•			_	_	_	_
☐ T - Maximum compatibility	•	•	•	•	•	•	•	_	•	_	_	-	_
☐ R - FeliCa and CEPAS ¹	•	•	•	•	•	•	•		•	_	_	•	•
☐ W - Custom programming ²	0	0	0	0	0	0	0	_	0	•	•	_	-

[●] Supported O Optionally supported — Not supported

Controller Communication (select one option)

N - Wiegand
C - Clock & Data

P-OSDP

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¹ Not available on model 940.

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



_	iring Connection (select one option)
\equiv	N - Pigtail (Not available on models 940 or 95A)
	T - Terminal strip
	ardware Revision E - Revision E
	blor (select one option) K - Black W - White. Only available on 95A model. G - Gray. Only available on 95A model.
	eyset (select one option) O - Standard v1 - Supports credentials with default HID keys, including iCLASS and iCLASS SR.
	2 - Standard v2 - Supports credentials with default HID keys, not including iCLASS and iCLASS SR.
	E - HID Elite - Supports credentials with HID Elite keys, including iCLASS and iCLASS SR, and/or Mobile IDs. Key reference (ICE or MOB) required at time of order.
Co	onfiguration Setting
	0000 - Standard configuration:
•	125 kHz Credential Support = N - None or P - Supports HID Prox, AWID and EM4102 (32 bits)
•	13.56 MHz Credential Support = T - Maximum Compatibility
•	Controller Communication = N - Wiegand
•	Keyset = 0 - Standard v1 or E - HID Elite
•	LED normally red, LED flashes green and beeps on card read
•	Keypad output is 4-bit (if keypad reader)
	XXXX - Non-Standard configuration: ANY other options selected above requires a Non-Standard 4 digit extension. To order non-standard configuration options, use the Select tab on the iCLASS SE Configuration spreadsheet at the following link www.hidglobal.com/node/19914 . You HID Global Support or Sales representative can help you determine your final configuration.

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

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

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

3. Place an order

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

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

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

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

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iCLASS SE Express Reader

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

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





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

Reader Model (select one model)



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

125	kHz	Cred	lential	Support
-----	-----	------	---------	----------------

X	N	- No	125	kHz	aus	port
---	---	------	-----	-----	-----	------

10:00 mil 2 and Blactooth orcachtal support (ociest one option)
S - Supports Seos cards, and Mobile IDs via NFC.
☐ B - Supports Seos cards, and Mobile IDs via NFC and Bluetooth Smart.
C - Supports Seos cards, Mobile IDs via NFC and ISO14443 UID.
D - Supports Seos cards, Mobile IDs via NFC and Bluetooth Smart and ISO14443 UID.

Controller Communication

N - Wiegand

Wiring Connection

N - Pigtail

Hardware Revision

F - Revision F

Color

X - Black

Keyset (select one option)

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

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

Configuration Settings

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

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

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

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

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

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

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



3. Place an order

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

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

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

- Mobile IDs
- Seos
- Seos + Prox



iCLASS SE Biometric Reader - Wiegand

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

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

1. select one option from each section below

Reader Model (select one model)



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

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

_

Color

K - Black

Hardware Revision

E - Revision E

iCLASS Support/Keyset (select one option)

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

Configuration Setting

Standard configuration iCLASS SE Biometric ship with the following features

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

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

Controller Communication	13.56 MHz Credential Support	Extension
N - Wiegand	S - Seos	□ оотс
	F - Seos, iCLASS SR and iCLASS	□ ооте

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



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

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

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

3. Place an order

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

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

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

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



iCLASS SE Readers - Magnetic Stripe

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

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



1. select one option from each of the following sections

ы		
	-	

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



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

125 kHz Credential Support (select one option)

		N - No	125	kНz	sun	nor
--	--	---------------	-----	-----	-----	-----

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

13.56 MHz Credential Support (select one option)

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

[■] SupportedO Optionally supportedNot supported

Controller Communication (select one option)

N - Wiegand
C - Clock & Data
P-OSDP

Wiring Connection (select one option)

N - Pigtail

T - Terminal strip

Hardware Revision

X E - Revision E

Color

X - Black

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



0 - Standard v1 – Reads credentials with default HID keys including standard iCLASS and/or iCLASS SR.
2 - Standard v2 - Reads credentials with default HID keys not including standard iCLASS and/or iCLASS SR.
E - HID Elite – Reads credentials with HID Elite keys, including iCLASS and iCLASS SR, and/or Mobile IDs. Key reference
(ICE or MOB) required at time of order.

Configuration Settings

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

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

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

Reader Mode	I	125 kHz	13.56 MHz	Communication	Wiring	HW Rev	Color	Keyset	Config Setting
Example	922	N	N	N	Т	E	K	2	XXXX
Final Part Number						E	K		

3. Place an order

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

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

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

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



pivCLASS Readers - FIPS 201 Strong Authentication

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

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



1. select one option from each section below

Reader Model (select one model)



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



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



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



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



921 - Model RK40 - Designed for door applications requiring standard wall switch mounting. Supports keypad input.

125 kHz Credential Support (select one option)

N - No 125 kHz support

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

13.56 MHz credential support (select one option)

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

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

Controller Communication (select one option)

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

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

Controller Connection (select one option)

N - Pigtail

T - Terminal strip

Hardware Revision

X E - Revision E

Color

K - Black

Keyset (select one option)

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

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



Configuration Setting (select one option)

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

Reader Model	125 kHz Support	Extension
R10/R40	N - No	☐ 032Y
K10/K40	P - Yes	□ 0007
RK40	N - No	□ 033A
RR40	P - Yes	□ 033B
RKCL40	N - No	□ 032V
RRGL40	P - Yes	□ 0008
RKCLB40	N - No	□ 0504

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

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

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

3. Place an order

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

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

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

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



pivCLASS Readers - Wiegand or OSDP

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

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

1. select one option from each section below

Reader Model (select one model)



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



921 - Model RK40 - Designed for door applications requiring standard wall switch mounting.



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



923 - RKCL40 - Combination, contact plus contactless reader with keypad and LCD.

125 kHz Credential Support (select one option)

N - No 125 kHz support

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

13.56 MHz credential support (select one option)

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

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

Controller Communication (select one option)

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

Controller Connection (select one option)

N - Pigtail

T - Terminal strip

Hardware Revision

X E - Revision E

Color

X - Black

iCLASS Support/Keyset (select one option)

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

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

Configuration Setting

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

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

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

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



3. Place an order

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

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

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

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



iCLASS SE U90 - UHF Long Range Reader

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

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

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

Reader Model (select one model)



 $oxed{\boxtimes}$ RDRSEU90 - Model U90® - Contactless Smart Card Long Range Reader: Surface or Pole Mount.

Antenna Code (select one option, see table below)

9

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

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

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

Color

X - Black

Keyset (select one option)

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

0 - Standard Keyset

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

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

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

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

3. Place an order

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

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

- UHF cards
- UHF + iCLASS cards



iCLASS SE Reader Accessories

Configuration Cards

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

Description	Part Number	Part Number					
Description	Base Part No.	HID Elite (E) or Standard Security (0 or 2)	Configuration Settings1				
Reader Configuration Cards			-XXXX = Specific configuration				
Reconfigure reader to factory configuration settings (does not reconfigure reader admin or credential keys)	SEC9X-CRD-	E = HID Elite Key ² 0 = Standard-1 key or standard-2 key ²	-0000 = Factory configuration (Rx models) -0001 = Factory configuration (RPx models) -0002 = Factory configuration (RKx models) -0003 = Factory configuration (RPKx models)				
HID Elite Upgrade Cards ³	OFOOY ODD	E = HID Elite Key⁴	-P000 = HID Elite reader admin keys				
Setup iCLASS SE or multiCLASS® SE readers for HID Elite credential keys or Reader admin keys	SEC9X-CRD-	E = HID Elite Key ²	-P001 = HID Elite credential keys				
HID Elite Downgrade Cards ³		E = HID Elite Key ²	-P002 = Standard reader admin keys				
Setup iCLASS SE or multiCLASS SE readers for standard credential keys or reader admin keys	SEC9X-CRD-	0 = Standard-1 key or standard-2 key	-P003 = Standard-1 credential keys -P004 = Standard-2 credential keys				

¹ Configuration Settings

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

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

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

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

³ HID Elite Upgrade and Downgrade Cards

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

⁴ Keys

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

² Keys



Accessories

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

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



IP65 Upgrade Kit

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

UHF Credential Card Holder

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

iCLASS SE and multiCLASS SE Bluetooth and OSDP Upgrade Kit

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



iCLASS Reader Accessories

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

HID Proximity Readers

ProxPoint Plus Proximity Reader - 6005 / 6008

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

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

Notes:

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

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

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

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

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

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

² Consult Factory

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

MiniProx Proximity Reader - 5365 / 5368

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

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

Notes:

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

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

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

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

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

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

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

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

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

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

² Consult Factory

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



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

ProxPro Family Card Reader Description	Base Part No.	Current Rev. No.*	Color Options	Hardware Options	Configuratio Setting Option		Custom ²	
ProxPro® II Proximity Reader with Wiegand output with Clock & Data Output	5455 5458	В	G = Charcoal Gray B = Beige W = White K = Black	N = No Keypad, Pigtail (18 inches/45.7 cm)	01 02	04 05 06 07	XXXX Y	
ProxPro Proximity Reader ^{5,6} with Wiegand output with Clock & Data Output	5355 5358	А		G = Charcoal Gray	N = No Keypad, Terminal Strip K = Keypad³, Terminal Strip	10 14 20	09 11 19 21 23	XXXX Y
ProxPro Proximity Reader with Serial output ⁷	5352		A B = Beige	S = Keypad ⁴ , Terminal Strip	10 14 20	09 11 19 21 23		

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

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

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

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

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

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

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

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

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

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

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

10 = Buffer six keys and add parity

11 = Buffer one key and add parity

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

19 = Buffer four keys and add parity

20 = Single Key buffering

21 = Supervision Mode

23 = Buffer one to 11 keys

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

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

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

² Consult Factory

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

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

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

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

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

ThinLine II Proximity Reader - 5395 / 5398

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

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

Notes:

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

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

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

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

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

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

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

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

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

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

² Consult Factory



MaxiProx Proximity Reader - 5375

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

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

Notes:

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

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

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

² Consult Factory



EntryProx Proximity Reader - 4045

Card Reader Description	Base Part No.	Current Rev. No.*	Color Options	Hardware Options	Configuration Setting Options ¹	Custom ²
EntryProx™ Proximity Reader Stand-Alone Access Control Unit	4045	С	G = Charcoal Gray	N = None	U0	XXXX Y

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

Notes:

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

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

² Consult Factory



HID Proximity Reader Accessories

Part Number	Description
ProxPro Family	
5455AGM00	Glass Mount Kit, ProxPro and ProxPro II Readers
5350-113-01	Bezel, ProxPro Reader with Keypad (Rev. A) - Charcoal Gray
5350-113-02	Bezel, ProxPro Reader (Rev. A) - Charcoal Gray
5350-113-03	Bezel, ProxPro Reader with Keypad (Rev. A) - Beige
5350-113-04	Bezel, ProxPro Reader (Rev. A) - Beige
5355A-302-01	Cover, ProxPro w/Keypad Reader (Rev. A) - Charcoal Gray
5355A-302-02	Cover, ProxPro Reader (Rev. A) - Charcoal Gray
5355A-302-03	Cover, ProxPro w/Keypad Reader (Rev. A) - Beige
5355A-302-04	Cover, ProxPro Reader (Rev. A) - Beige
5350-101-01	Base, ProxPro Reader (Rev. A) - Charcoal Gray
5350-101-02	Base, ProxPro Reader (Rev. A) - Beige
5355A-306-01	ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Gray Cover only
5355A-306-02	ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Beige Cover only
5355A-306-03	ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Gray Cover only
5355A-306-04	ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Beige Cover only
5355A-306-05	ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Gray Cover and Bezel
5355A-306-06	ProxPro Keypad assembly upgrade, K Version, (Rev. A) - Beige Cover and Bezel
5355A-306-07	ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Gray Cover and Bezel
5355A-306-08	ProxPro Keypad assembly upgrade, S Version, (Rev. A) - Beige Cover and Bezel
5455-311-01	Cover, ProxPro II Reader (Rev. B) - Charcoal Gray (No Bezel Required)
5455-311-02	Cover, ProxPro II Reader (Rev. B) - Beige (No Bezel Required)
5455-311-03	Cover, ProxPro II Reader (Rev. B) - Black (No Bezel Required)
5455-311-04	Cover, ProxPro II Reader (Rev. B) - White (No Bezel Required)
30-0003-01	Rubber Keypad Cover, ProxPro Reader (Rev. A)
137-0005-11	Connector Feed Back Nut and Washer, ProxPro Reader (Rev. A)
MiniProx	
5365-371-01	Classic cover, MiniProx Reader (Rev. E) - Charcoal Gray
5365-371-02	Classic cover, MiniProx Reader (Rev. E) - Beige
5365-371-03	Classic cover, MiniProx Reader (Rev. E) - Black
5365-371-04	Classic cover, MiniProx Reader (Rev. E) - White
New Look ¹	
5365-372-01	Designer cover, MiniProx Reader (Rev. E) - Black
5365-372-02	Designer cover, MiniProx Reader (Rev. E) - Charcoal Gray
5365-372-04	Designer cover, MiniProx Reader (Rev. E) - Wave Blue
5365-372-05	Designer cover, MiniProx Reader (Rev. E) - White
ThinLine II	
5395-104-01	Classic cover, ThinLine II Reader (Rev. C) - White
5395-104-02	Classic cover, ThinLine II Reader (Rev. C) - Beige
5395-104-03	Classic cover, ThinLine II Reader (Rev. C) - Black
5395-104-04	Classic cover, ThinLine II Reader (Rev. C) - Charcoal Gray
New Look ²	Designer sover Third in all Deader (Day C). Disali
5395-371-01	Designer cover, ThinLine II Reader (Rev. C) - Black
5395-371-02	Designer cover, ThinLine II Reader (Rev. C) - Charcoal Gray
5395-371-04	Designer cover, ThinLine II Reader (Rev. C) - Wave Blue
5395-371-05	Designer cover, ThinLine II Reader (Rev. C) - White



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

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

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

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



Indala Proximity Readers

Overview

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

All reader orders must have the following information:

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

Advantage Series Reader - ASR 620

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



FlexPass Reader - FP Arch / Keypad



BASE NUMBER

FP = FlexPass (reader format required)

STYLE

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

READ RANGE

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

TYPE

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

COLOR

- 1 = Black available in STYLES: Arch TYPES: Slim, Wall switch, Midrange, Classic
- **0** = N/A

OUTPUT FORMAT

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

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

CABLE LENGTH

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

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

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



FlexPass Accessories

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



2. HID Mobile Access

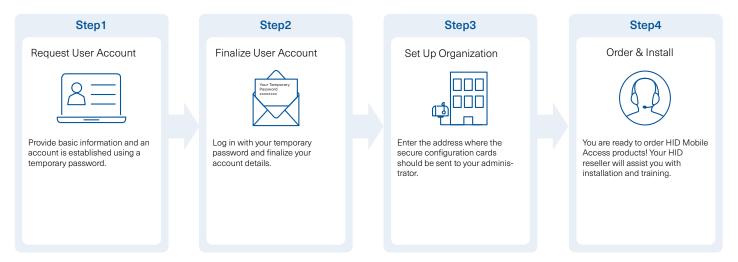
What Is HID Mobile Access?

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

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

Creating HID Mobile Access User Account

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



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

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

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



Selecting the Right Mobile Access Subscription Type

HID offers two tiers of product subscriptions, **Essentials** and **Enterprise**, the differences between these subscription tiers are as noted in the feature matrix below. Additionally, end user organizations have the option of one or three year subscription terms.

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

HID Mobile Access Part Numbers

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



Ordering Information – Readers for HID Mobile Access

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



Ordering Information – Mobile Identities Service

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

	One & Three Year User License Subscriptions				
Order Type	Details	Supplemental Information Needed for Order			
Initial Order	When starting a one or three year subscription for HID Origo Mobile Identities, an order for User Licenses must be placed. The service start date begins on the date the order is processed by HID. User Licenses will be valid for one or three years and the service term end date will be set to the last day of month.	1-year subscription MID-SUB-T050 MID-SUB-T100 3-year subscription MID-SUB-T053 MID-SUB-T103	Org ID: Org Name: MOB or ICE: Format*: Subscription Start Date: (Optional) (DD MMMM, YYYY)		
Adding Additional User Licenses	To increase the number of User Licenses within a service term, an order for add-on licenses must be placed. These user licenses will have a prorated price based on the number of whole months remaining in term. They will co-terminate and expire along with previously purchased licenses on the contract.	1-year subscription MID-SUB-T050-ADD MID-SUB-T100-ADD 3-year subscription MID-SUB-T053-ADD MID-SUB-T103-ADD	Org ID: Org Name: Contract ID: Subscription Start Date: (Optional) (DD MMMM, YYYY)		
Changing subscription tier or term midterm	Upgrading from MID-SUB-T05x to MID-SUB-T10x during a subscription term is possible under certain circumstances, e.g. upgraded tier with the same or more end users. This will result in the cancellation of the existing contract and the generation of a new contract ID. Note: An organization cannot be on more than one subscription plan simultaneously. Downgrading from MID-SUB-T10x to MID-SUB-T05x can only be completed at the time of renewal.		Org ID: Org Name: Contract ID: Subscription Start Date: (Optional) (DD MMMM, YYYY)		
Adding additional credential types	If, after initial onboarding account creation, a new credential type is needed (new format and/or keyset), an order must be placed. Quantity should always be 1. There is no charge for this transaction as unlimited credentials are included with subscription user licenses.	MID-SUB-CRD	Org ID: Org Name: MOB or ICE: Format*:		
Renewal	When renewing a subscription for HID Origo Mobile Identities service, an order for User Licenses must be placed. A change in quantity or HID reseller will generate a new contract ID.	1-year subscription MID-SUB-T050 MID-SUB-T100 3-year subscription MID-SUB-T053 MID-SUB-T103	Org ID: Org Name: MOB or ICE: Format*: Contract ID: -RENEWAL		
Changing subscription tier or term at the renewal date	To change between subscription plans at renewal, please order the corresponding part number and the number of licenses needed. This will generate a new contract ID.	1-year subscription MID-SUB-T050 MID-SUB-T100 3-year subscription MID-SUB-T053 MID-SUB-T103	Org ID: Org Name: MOB or ICE: Format*:		



Preparing for Renewal

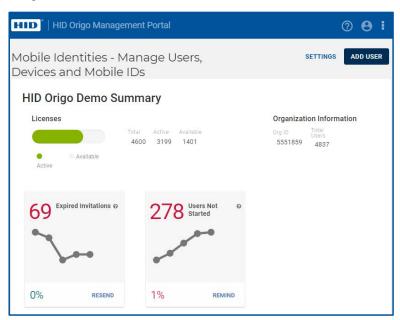
For your convenience, subscription contracts can be set to auto or manual renewal. For those with manual renewals it's important that any changes are captured, that key information is supplied, and that the renewal order is placed early enough to be processed by HID prior to the expiration date. We recommend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

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

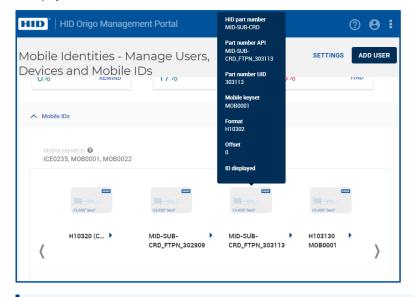
https://doc.origo.hidglobal.com/faq/portal/HID_Mobile_Access_FAQ.pdf

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

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



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



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



3. Credentials

Understanding HID Credentials

Can I configure my credential product online?

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

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

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

What should I know about security keysets?

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

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

The keyset governs a variety of keys, including:

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

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

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

Standard Security Keyset	Compatibility with these Credentials
Version 1	Seos (+ Prox)
	• iCLASS SE (+ Prox)
	• iCLASS SIO encoded (+ Prox)
	• iCLASS (+ Prox)
	MIFARE Classic (+ Prox)
	MIFARE DESFire EV1 (+ Prox)
Version 2	Seos (+ Prox)
	• iCLASS SE (+ Prox)
	MIFARE Classic (+ Prox)
	MIFARE DESFire EV1 (+ Prox)

How can I order HID Elite configured credentials?

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



How can I migrate from my current credential technology?

- iCLASS Existing Sites: When deploying credentials to an existing site with standard iCLASS credentials and readers the following steps provide a guideline to a recommended path:
- 1. Purchasing Seos + iCLASS cards along with HID Signo Readers Smart Profile credential support (supporting iCLASS cards), as this provides full interoperability with HID's latest credential and reader platform, as well as supporting installed iCLASS base.
- 2. This provides options to upgrade security in the future without rip-and-replace of the newly purchased readers
- 3. Once all readers on site are HID Signo the customer can begin ordering Seos only cards.
- 4. Once all cards in the population are Seos, readers can be configured to support only Seos cards.
- 125 kHz Existing Sites: Deploying credentials to an existing 125 kHz site with HID Prox/Indala Proximity credentials and readers (HID, Indala, AWID, and EM4102), purchase multi-technology Seos or iCLASS SE Credentials, along with HID Signo Standard Profile Readers for full credential and reader interoperability, and a relaxed migration timeline.

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

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

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

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

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

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

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



Credentials Marking

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

Credential Marking Technology

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

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

Key benefits:

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

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

Notes:

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

Current Laser Marking Status by Region:

· The Americas: Laser marking transition complete

EMEA: Transition in progressAPAC Region: Transition in progress

Understanding Credential Formats

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

Format Structure

Each format differs in structure by;

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

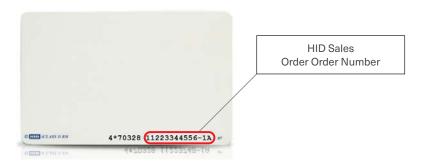
Many formats share the same bit length but differ in structure and for this reason it is not possible to determine the required format number from the bit length alone. If an incorrect format is programmed into the card may not operate correctly with the access control system.



What format do I need?

Existing Systems

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



New Systems

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

Corporate 1000

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

Key Benefits

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

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

Common Formats

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

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

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

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



Format Compatibility

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

Indala Formats - Label Code

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

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

Long Formats (HID Prox)

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

HID Prox Format Type	Example Format Numbers	Compatible HID Prox Product Lines	Incompatible Products
Long Formats (>37-bits)	H2xxxxx 48-bit Corporate 1000, all other formats >37 bits		eProx Lock, Serial ProxPro®, EntryProx™, ProxPass™ II



Understanding Credential Programming

How do I complete the programming section correctly?

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

Mandatory Programming Information

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

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

Mandatory Marking Information

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

Examples

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

 Quantity:
 500

 Format:
 H10301

 Facility Code:
 125

ID number range: 25,001 to 25,500

Format Number
H10301
HID Elite ICE number

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

Quantity
500

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

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

Quantity: 1,000

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

 Elite Key:
 ICE999

 Site Code:
 156

 Installer Code:
 21

Number range: 1,001 to 2,000

Format Number
0999123
HID Elite ICE number
ICE0999

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

Quantity
1,000

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

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



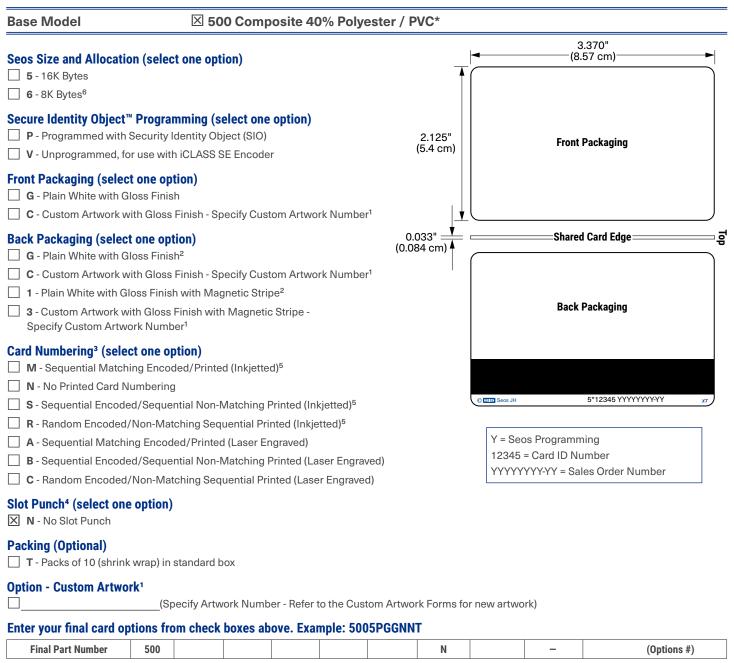
Seos Credentials

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

Seos Card - 500

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

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





Seos Card Programming Information

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

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

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

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

⁴ Cards are not available with any slot punch option.

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

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

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Seos + iCLASS Card - 522

Option - Custom Artwork¹

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

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

Base Model	/ PVC*		
Seos and Memory Size and Allocation ☑ 6 - 8K Bytes ⁶	-		3.370" (8.57 cm)
iCLASS Memory Size and Allocation (select one option) 0 - iCLASS 2k Bits (256 Bytes) with 2 Application Areas 3 - CLASS 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - CLASS 32k Bits (4K Bytes) Application areas 16k/16+16k/1	2.125" (5.4 cm)		Front Packaging
Seos Programming (select one option) P - Programmed with Security Identity Object (SIO) V - Unprogrammed, for use with ICLASS SE Encoder			
iCLASS Programming (select one option) S - Programmed with Security Identity Object (SIO) and with standard iCLASS Access Control Application (recommended)	0.033" 		Shared Card Edge
P - Programmed with Security Identity Object (SIO) H - Programmed with standard iCLASS Access Control Application C - Unprogrammed, for use with iCLASS SE Encoder			Back Packaging
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		12345 = C	5*12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
Seos Card Numbering³ (select one option) N - No Printed Card Numbering A - Sequential Matching Encoded/Printed (Laser Engraved)⁵ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)⁵ iCLASS Card Numbering³ (select one option) N - No Printed Card Numbering A - Sequential Matching Encoded/Printed (Laser Engraved)⁵ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)⁵ Slot Punch⁴ N - No Slot Punch			

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



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

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

Seos Card Programming Information

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

iCLASS Card Programming Information

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

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

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

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

⁴ Cards are not available with any slot punch option.

⁵ Inkjetted option is not available for these cards.

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

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



Seos + Prox Card - 510

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

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

Base Model	[⊠ 510 (Compos	ite 40%	6 Polyes	ter	/ PV	C*					
Seos Memory Size and 5 - 16K Bytes 6 - 8K Bytes ⁶	Allocatio	n (select	one opti	on)					→		3.37 (8.57 d		
Programming (select or P - Programmed with S HID Prox non program R - Both interfaces pro 125 kHz programmed Se V - Unprogrammed Se	Security Id med grammed: with HID o	entity Obj Seos with	n Security ormat					2.125" (5.4 cm))		Front Pac	kaging	
Front Packaging (select G - Plain White with GI C - Custom Artwork with	oss Finish	·	ecify Cust	om Artwo	ork Numbe	er ¹		033" - 84 cm)			Shared Ca	rd Edge=====	
Back Packaging (select G - Plain White with GI C - Custom Artwork wi 1 - Plain White with GI 3 - Custom Artwork wi Specify Custom Artwork	oss Finish ith Gloss F oss Finish th Gloss F	² inish - Spo with Mag inish with	netic Strip	oe ²	ork Numbe	er ¹		,			Back Pacl	kaging	
Seos Card Numbering ³	ng Encode	-	•	d) ⁵					© HID	Seos JH	5*1:	2345 YYYYYYYYYY	ү хт
N - No Printed Card No S - Sequential Encode R - Random Encoded/ A - Sequential Matchir B - Sequential Encode C - Random Encoded/	d/Sequen Non-Matc ng Encode d/Sequen	hing Sequ d/Printed tial Non-N	ential Pri (Laser Er latching F	nted (Inkjengraved) Printed (La	etted) ⁵ aser Engra				1:	2345 = C	Programming ard ID Numbe Y-YY = Sales C		r
Slot Punch ⁴ N - No Slot Punch													
125 kHz Card Numberin	ng Encode umbering d/Sequen Non-Matc	ed/Printed tial Non-M hing Sequ	l (Inkjetted latching F Jential Prid	Printed (In nted (Inkje			(Lase	er Engra	ved) Encoded/		ential Non-Ma tching Seque	· ·	d
Option - Custom Artwor	_			•									
Enter your final card op					to the Cus				s for new	artwork))		
Final Part Number	510	ii ciicck i	oves an	OVE. LAG	inpie. 31	JJF	COMIN	N		_			(Options #



Seos Card Programming Information

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

125 kHz Card Programming Information

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

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

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

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

⁴ Cards are not available with any slot punch option.

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

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

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



Seos + iCLASS + Prox Card - 520

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

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

Base Model Solution Solution	
Seos Memory Size and Allocation Seos 8K Bytes ⁶	3.370" (8.57 cm)
iCLASS Memory Size and Allocation ☐ 0 - iCLASS 2k Bits (256 Bytes) with 2 Application Areas ☐ 3 - CLASS 32k Bits (4K Bytes) Application areas 16k/2+16k/1 ☐ 4 - CLASS 32k Bits (4K Bytes) Application areas 16k/16+16k/1 2.125" (5.4 cm)	Front Packaging
Seos Programming (select one option) ☐ P - Programmed with Security Identity Object (SIO) ☐ V - Unprogrammed, for use with iCLASS SE Encoder	
iCLASS Programming (select one option) ☐ S - Programmed with Security Identity Object (SIO) and with standard iCLASS Access Control Application (recommended) ☐ P - Programmed with Security Identity Object (SIO) ☐ H - Programmed with standard iCLASS Access Control Application ☐ C - Unprogrammed, for use with iCLASS SE Encoder	Shared Card Edge Back Packaging
125 kHz Programming (select one option) ☐ P - Programmed with HID or Indala format ☐ N - HID Prox unprogrammed for use with iCLASS SE Encoder	
Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ¹	Y = Seos Programming
Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number	12345 = Card ID Number YYYYYYYYYY = Sales Order Number
Seos Card Numbering³ (select one option) N - No Printed Card Numbering A - Sequential Matching Encoded/Printed (Laser Engraved)⁴ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)⁴ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)⁴	
iCLASS Card Numbering³ (select one option) N - No Printed Card Numbering A - Sequential Matching Encoded/Printed (Laser Engraved)⁴ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)⁴ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)⁴ Prox Card Numbering³ (select one option) N - No Printed Card Numbering A - Sequential Matching Encoded/Printed (Laser Engraved)⁴ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)⁴	

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



Slot Punch⁵										
Option - Custom Artwork	(Specify Artwork Nun	nber - Refer to t	the Custom A	rtwor	k Forms	s for nev	w artwo	ork)		
Enter your final card opti	ons from check boxes	above. Examp	ole: 52063P	SPGG	AAAN					
Final Part Number	520 6							N	_	(Options #)
Coop Could Duo manage	in a la forma eti e a									
Seos Card Programm	ing information									
Format Number	Field Name(s) e.g. Facility Code	Value	Q	ГҮ		Enco	ded St	art Nu	ımber	Encoded Stop Number
HID Elite ICE number						Print	ed Star	t Nun	nber	Printed Stop Number
iCLASS Card Program	nming Information									
Format Number	Field Name(s) e.g. Facility Code	Value	Q	ГҮ		Enco	ded St	art Nu	ımber	Encoded Stop Number
HID Elite ICE number						Print	ed Star	t Nun	nber	Printed Stop Number
125 kHz Card Program	nming Information									
125 KHZ Card Program	nining information									
Format Number	Field Name(s) e.g. Facility Code	Value	Q	ГҮ		Enco	ded St	art Nu	ımber	Encoded Stop Number
						Printe	ed Star	t Nun	nber	Printed Stop Number

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

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

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

⁴ Inkjetted option is not available for these cards.

⁵ Cards are not available with any slot punch option.

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

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

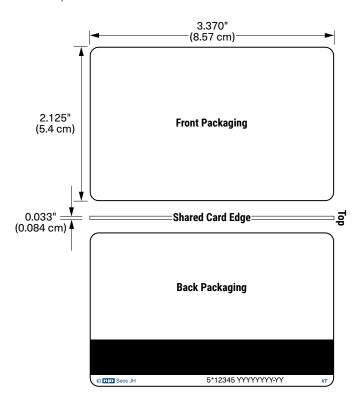


Seos 8K with MIFARE Classic or DESFire EV1 Implementation - 5806/5906

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

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

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



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



Seos Key Fob - 526

Portable Credential for Key Ring Applications.

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

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

Name	
Company	

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

Memory Size

★ 6-8K Bytes

Secure Identity Object Programming (select one option)

- P Programmed with Secure Identity Object (SIO)

Front Packaging

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

Back Packaging

X N - Seos logo and marking panel

Key Numbering¹

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

Front Packaging

1.56" (39.5 mm)

Back Packaging



Y = Seos Programming 12345 = Card ID Number

YYYYYYYYY = Sales Order Number

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

Final Pa	rt Number	5266	N	N	

Seos Programming Information

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

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

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



Seos Clamshell - 565

Highly Durable Slot Punched Contactless Smart Card.

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

⊠ 565 Base Model **Memory Size** X 6-8K Bytes Back Front **Secure Identity Object Programming (select one option)** P - Programmed with Secure Identity Object (SIO) **Front Packaging** 3.37" (8.57 cm) M - Plain White Matte Vinyl with Seos logo ☐ C - Custom Artwork – Specify Custom Artwork Number¹ **Back Packaging** S - ABS Base with Molded HID Logo seos ☐ C - Custom Artwork – Specify Custom Artwork Number¹ 2.13" (5.4 cm) **Key Numbering²** N - No external ID number A - Sequential Matching Encoded/Printed (Engraved) **B** - Sequential Encoded/Sequential Non-Matching Printed (Engraved) C - Random Encoded/Non-Matching Sequential Printed (Engraved) **Slot Punch** X V - Vertical Slot Punch

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

Final Part Number	5656			V

Seos Programming Information

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

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

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

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



Seos Essential Card - 550

A simple high security single application card for physical access control applications, supported by HID Signo and iCLASS SE reader platforms.¹ Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Secure Identity Object™ programming²

P - Programmed with Secure Identity Object (SIO)

Front packaging

X G - Plain white with gloss finish

Back packaging³

X G - Plain white with gloss finish

Card numbering4 (select one option)

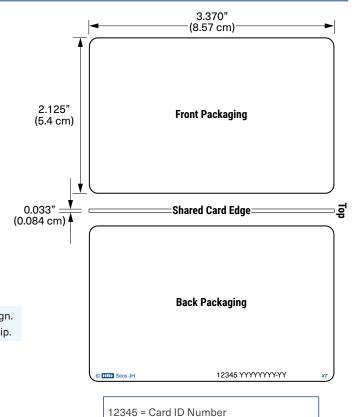
- N No printed card numbering, sales number marking only
- A Sequential matching encoded/printed (laser engraved)
- B Sequential encoded/sequential non-matching printed (laser engraved)
- C Random encoded/non-matching sequential printed (laser engraved)

Slot punch

N - No Slot Punch

IMPORTANT: 550 credentials do not allow a slot punch due to antenna design.

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



YYYYYYYYY = Sales Order Number

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

- The state of the										
	Final Part Number	550	Р	G	G		N			

Seos Programming Information

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

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

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

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

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



Seos Essential + Prox Card - 551

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

Ensure each required option	on has been checked	d with the a	ppropriate ch	oice to fulfill a c	ompleted	d order	form.		
Base Model ⊠ 55	1 Composite (40	0% polye	ester/PVC)						
Secure Identity Object™ ▼ P - Programmed with S		ct (SIO)						3.370"	
125kHz programming (s	select one option)				_	- 		(8.57 cm)	
P - Programmed with I		it			1	1			
■ N - HID Prox® unprogr	ammed for use with	iCLASS SE	Encoder						
Front packaging G - Plain white with glo	oss finish				2.125" 5.4 cm)		Fro	nt Packaging	
Back packaging³ G - Plain white with glo	oss finish			·	,				
Seos card numbering4 (
N - No printed card nu			-		33" 🔻		Sha	red Card Edge=	
■ A - Sequential matchir ■ B - Sequential encode (laser engraved)	(0.08	4 cm) ▲							
C - Random encoded/ (laser engraved)	non-matching seque	ential printe	d						
Slot punch N - No Slot Punch							Bad	ck Packaging	
IMPORTANT: 551 crede Use a bac	entials do not allow a dge holder to attach t								
125kHz card numbering	4 (select one optic	on)				(© HID	Seos JH	12345 YYYYY	YYY-YY XT
■ N - No printed card nu	•		g only						
A - Sequential matchin	ng encoded/printed ((laser engra	aved)						
B - Sequential encode (laser engraved)	d/sequential non-ma	atching prin	ited				2345 = Card ID		mber
C - Random encoded/ (laser engraved)	non-matching seque	ential printe	d						
Enter your final card op	tions from check b	oxes abo	ve. For exam	nole. 551PPGG	ANA				
Final Part Number	551	Р		G	G			N	
i mai i ait itambei	331	•						- 11	
Seos Programming	Information								
Format Number	Field Name(s) Facility Code) e.g.	Value	QTY		Encod	ded Start Numb	er Encoded	d Stop Number
HID Elite ICE #						Drinto	d Start Number	. Drintod (Stop Number
THE EITH ICE #	1 1			1		Finte	u Start Number	Frinted	Stop ivumber



Seos Programming Information

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

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

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

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

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



iCLASS SE Credentials

iCLASS SE Card - 300 / 305

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

Base Model		300 Sta	ndard P	vc	□ 305	Composi	ite 40% P	olyeste	r / PVC*	
iCLASS Memory Size and A	n 2 Application	n Areas					4		3.370" 8.57 cm)	
3 - 32k Bits (4K Bytes) App. 4 - 32k Bits (4K Bytes) App.						1				
Secure Identity Object Property P - Programmed with Secure V - Unprogrammed, for us	urity Identity					2.125" 5.4 cm)		Fro	nt Packaging	
Front Packaging (select on G - Plain White with Gloss C - Custom Artwork with C	Finish	- Specify Cu	ustom Artw	ork Numbe	r ¹					
Back Packaging (select on G - Plain White with Gloss C - Custom Artwork with Gloss 1 - Plain White with Gloss 3 - Custom Artwork with Gloss Specify Custom Artwork N	Finish ² Gloss Finish - Finish with N Gloss Finish v	√agnetic St	tripe ²	ork Numbe	0.0: (0.084					
Card Numbering³ (select o ☐ M - Sequential Matching I ☐ N - No Printed Card Numb	Encoded/Pri	nted (Inkjet	ted) ⁷				No		k Packaging edential image may vary.	
S - Sequential Encoded/S R - Random Encoded/Nor A - Sequential Matching E B - Sequential Encoded/S C - Random Encoded/Nor	n-Matching S Encoded/Prin Sequential No	Sequential F nted (Laser on-Matching	Printed (Ink Engraved) ⁴ g Printed (L	jetted) ⁷ .aser Engra				SE M1H ASS Progr	· ·	<u>хт</u>)
Slot Punch ⁵ (select one op N - No Slot Punch. This ca B - No Slot Punch. This ca V - Vertical Slot Punch H - Horizontal Slot Punch	tion) ard can be slo	otted vertica	ally, Printed	l Vertical Slo	ot Indicators		YYYYYY	YY-YY = \$	ales Order Number	ı
Option - Custom Artwork¹	(Specify A	rtwork Nun	nber - Refe	r to the Cus	tom Artworl	Forms for	new artwork)		
Enter your final card option						311110 101		,		
Final Part Number								_	(Options	; #)



iCLASS Card Programming Information

Format #	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
LUD Flits IOF soush on				British of Charle Mounth on	Britand Charle Name have
HID Elite ICE number				Printed Start Number	Printed Stop Number

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

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

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

⁴ For Laser Engraved Printed 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 the Slot Punch.

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

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



iCLASS SE + Prox Card - 315

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

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

Base Model	☑ 315 Composite 40% Polyest	er / PVC*		
iCLASS Memory Size and 0 - 2k Bits (256 Bytes) with	Allocation (select one option) n 2 Application Areas		3.37	
_	olication areas 16k/2+16k/1	<u> </u>	(8.57	Citi)
4 - 32k Bits (4K Bytes) App	olication areas 16k/16+16k/1			
P - Programmed with Sec 125 kHz HID Prox unprog	rammed mmed: iCLASS with Security Identity Object (SIO),	2.125" (5.4 cm)	Front Pac	ekaging ::
Front Packaging (select or G - Plain White with Gloss	- · ·	<u> </u>		
Back Packaging (select or G - Plain White with Gloss C - Custom Artwork with Gloss 1 - Plain White with Gloss	e option) Significant Finish Significant Specify Custom Artwork Number Significant Stripe	0.033" (0.084 cm)	Back Pac	
	umbering³ (select one option) Encoded/Printed (Inkjetted) ⁵		Note: 340 credent	ial image may vary. 12345 YYYYYYYYY <i>XT</i>
S - Sequential Encoded/S R - Random Encoded/No A - Sequential Matching B B - Sequential Encoded/S	Sequential Non-Matching Printed (Inkjetted) ⁵ n-Matching Sequential Printed (Inkjetted) ⁵ Encoded/Printed (Laser Engraved) Sequential Non-Matching Printed (Laser Engraved) n-Matching Sequential Printed (Laser Engraved)	4	Y = iCLASS Programmi 12345 = Card ID Numb YYYYYYYYY = Sales	ing
Slot Punch ⁴ (select one op N - No Slot Punch. This ca V - Vertical Slot Punch	tion) ard can be slotted vertically, Printed Vertical Slot In	dicators		
■ N - No Printed Card Number ■ S - Sequential Encoded/S ■ R - Random Encoded/No ■ A - Sequential Matching B	Encoded/Printed (Inkjetted) ⁵			

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



Option - Custom Artwork	1				
	(Specify Artwork Number	er - Refer to the C	ustom Artwork	Forms for new artwork)	
Enter your final card opti	ons from check boxes abo	ove. Example: 3	150PGGNNN		
Final Part Number				_	(Options #)
CLASS Card Progran	nming Information				
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
HID Elite ICE number				Printed Start Number	Printed Stop Number
125 kHz Card Progran	nming Information				
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
				Printed Start Number	Printed Stop Number

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

² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo (1111) and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

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

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

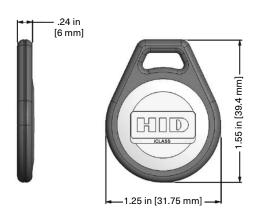


iCLASS SE Key - 325

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

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

X 325 Base Model iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 **Secure Identity Object Programming (select one option)** P - Programmed with Security identity Object (SIO) ☐ V - Unprogrammed, for use with iCLASS SE Encoder **Front Packaging** N - iCLASS Key II - Black with blue insert. Includes HID Standard Artwork **Back Packaging** N - None **Key Numbering** N - No Printed Key Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁴ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁴ A - Sequential Matching Encoded/Printed (Engraved) **B** - Sequential Encoded/Sequential Non-Matching Printed (Engraved) C - Random Encoded/Non-Matching Sequential Printed (Engraved)



Shown - Front Packaging Option N

Additional Options³

X N - None

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

Final Part Number	325	N	N		N
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iCLASS Key Programming Information

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

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

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

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



iCLASS SE Tag - 330

HID Elite ICE #

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

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

□ 330 Base Model □											
iCLASS Memory Size and 0 - 2k Bits (256 Bytes) wit 3 - 32k Bits (4K Bytes) Ap 4 - 32k Bits (4K Bytes) Ap Secure Identity Object Pro	h 2 Applicat plication are plication are	ion Areas as 16k/2+1 as 16k/16+	6k/1 -16k/1					/// -	HID STAGE	y Ta	1.285" (32.639mm)
P - Programmed with Sec	-	-									
Front Packaging (select of K - Black with HID Standa C - Custom Artwork - Spe	ne option) ard Artwork							Front	t Packag	ing	0.070" (1.78 mm)
Back Packaging S - Adhesive Backing											(,
Tag Numbering1 (select on M - Sequential Matching N - No Printed Tag Numb S - Sequential Encoded/S R - Random Encoded/No	Encoded/Pering Sequential N	Ion-Matchir	ng Printed								
Slot Punch N - None											
Option - Custom Artwork ¹	(Specify	Artwork Nu	mber - Ref	er to the Cu	ıstom Artwor	k Forr	ms for r	new artwork	()		
Enter your final Tag option	s from che	ck boxes	above. Ex	ample: 33	02PSSNN						
Final Part Number	330				S			N	_		(Options #)
iCLASS Tag Programm	ing Infor	mation									
Format Number	Field Na	me(s) lity Code		Value	QTY		Enco	ded Start N	lumber	Encode	ed Stop Number





Contact Smart Chip

Magnetic Swipe card

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

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

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

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

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



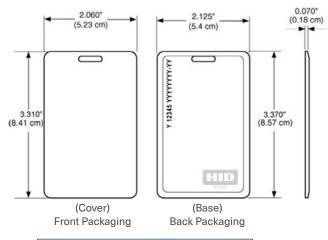
iCLASS SE Clamshell Card - 335

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

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

X	335	Base	Mo	del
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imageiCLASS Memory Size and Allocation (select one option) ☑ 0 - 2k Bits (256 Bytes) with 2 Application Areas Secure Identity Object Programming (select one option) ☐ P - Programmed with Security Identity Object (SIO) ☐ V - Unprogrammed, for use with iCLASS SE Encoder Front Packaging (select one option) ☐ M - Plain White Vinyl with Matte Finish ☐ G - Plain White with Gloss Finish ☐ C - Custom Artwork - Specify Custom Artwork Number¹ Back Packaging (select one option) ☐ S - Base with Molded HID Logo ☐ C - Custom Artwork - Specify Custom Artwork Number¹



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

Card Numbering² (select one option)

- N No Printed Card Numbering
- S Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)3
- □ R Random Encoded/Non-Matching Sequential Printed (Inkjetted)³

Slot Punch

X V - Vertical Slot Punch

Option - Custom Artwork²

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

Enter your final card options from check boxes above. Example: 3350PMSMV

Final Part Number	335			٧	_	(Options #)

iCLASS Card Programming Information

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

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

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

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

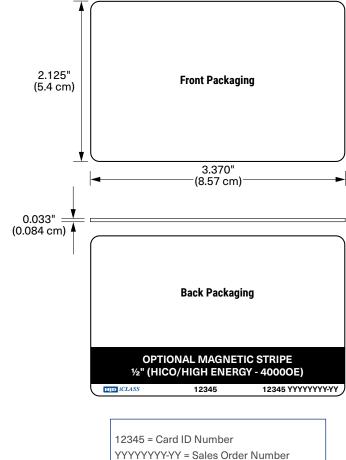


iCLASS SE + Other HF Card - 391

Specify Custom Artwork Number¹

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

Base Model		ter / PVC*	
iCLASS Memory Size and Allocati	on (select one option)		
0 - 2k Bits (256 Bytes) with 2 Appli (only available with MIFARE Class	cation Areas	1	
3 - 32k Bits (4K Bytes) Application 4 - 32k Bits (4K Bytes) Application		2.125"	Front Packagi
Card Programming (select one op ☐ R - iCLASS programmed with Sec 2 nd Technology programmed with	ure Identity Object (SIO),	(5.4 cm)	rioiit rackagi
P - iCLASS programmed with Sec 2 nd Technology unprogrammed fo (HID MIFARE or custom encoding	r use with iCLASS SE encoder	<u> </u>	3.370" (8.57 cm)
K - iCLASS programmed with Sec 2 nd Technology programmed with or custom MIFARE Classic (option	HID MIFARE Classic	0.033" = (0.084 cm)	
☐ A - iCLASS unprogrammed for use 2 nd Technology programmed with	·		
■ B - iCLASS unprogrammed for use 2 nd Technology unprogrammed fo (HID MIFARE or custom encoding	r use With iCLASS SE encoder		Back Packagi
	r use with iCLASS SE encoder		OPTIONAL MAGNET ½" (HICO/HIGH ENERG
2 nd High Frequency Technology (s	elect one option)		iCLASS 12345
 M - MIFARE Classic 1K Bytes (only N - MIFARE Classic 4K Bytes K - MIFARE DESFire EV1 8K Bytes 			12345 = Card ID Number YYYYYYYYY = Sales Orde
Front Packaging (select one optio			
	nish - Specify Custom Artwork Number ¹		
Back Packaging (select one optio ☐ G - Plain White with Gloss Finish²	n)		
	nish - Specify Custom Artwork Number ¹		
1 - Plain White with Gloss Finish w			
3 - Custom Artwork with Gloss Fir	nish with Magnetic Stripe -		





iCLASS SE Car	d Numbering	³ (select one o	ption)						
M - Sequent	ial Matching E	ncoded/Printed	(Inkjetted) ⁶	3					
☐ N - No Printe	ed Card Numbe	ering							
S - Sequentia	al Encoded/Se	quential Non-Ma	atching Pri	nted (Inkjette	ed) ⁵				
R - Random	Encoded/Non-	-Matching Seque	ential Printe	ed (Inkjetted)	5				
A - Sequenti	al Matching Er	ncoded/Printed (Laser Engr	aved)					
☐ B - Sequentia	al Encoded/Se	equential Non-Ma	atching Pri	nted (Laser E	ingraved)				
C - Random	Encoded/Non-	-Matching Seque	ential Printe	ed (Laser Eng	graved)				
Slot Punch									
IMPORTANT:		equency credenti ends using a bad							
X N - No Slot F	Punch								
2 nd High Freque	ency Technol	ogy Card Numb	ering³ (se	elect one op	otion)				
M - Sequent	ial Matching E	ncoded/Printed	(Inkjetted) ⁵	5					
☐ N - No Printe	ed Card Numbe	ering							
S - Sequentia	al Encoded/Se	equential Non-Ma	atching Pri	nted (Inkjette	ed) ⁵				
R - Random	Encoded/Non-	-Matching Seque	ential Printe	ed (Inkjetted)	5				
A - Sequenti	al Matching Er	ncoded/Printed (Laser Engr	aved)					
☐ B - Sequentia	al Encoded/Se	quential Non-Ma	atching Pri	nted (Laser E	ingraved)				
C - Random	Encoded/Non-	-Matching Seque	ential Printe	ed (Laser Eng	graved)				
Option - Custo	m Artwork ¹								
<u> </u>		_(Specify Artwo	rk Number	- Refer to the	Custom	Artwork For	ms for new ar	twork)	
Enter your fina	I card options	s from the abov	e selectio	ons. Examp	le: 3914	RNGCMNM			
Final Part Nu	mber					N		-	(Options #)
		l .	l						
iCLASS SE C	ard Progra	mming Inforr	nation						
Format Number	er	Field Name(s) e.g. Facility Co		Value		QTY	Encoded S	tart Number	Encoded Stop Number
HID Elite ICE #	ŧ						Printed Sta	rt Number	Printed Stop Number
2 nd 13.56 MF	lz technolo	gy Card Prog	rammin	g Informa	tion				
Format Number	er	Field Name(s) e.g. Facility Co		Value		YTÇ	Encoded S	tart Number	Encoded Stop Number
							B		
HID Elite ICE #	:						Printed Sta	rt Number	Printed Stop Number

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

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

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

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



iCLASS SE + Other 13.56 MHz + Prox Card - 396

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

Base Model	☑ 396 Composite 40% Polyes	ter / PVC*			
iCLASS SE Memory Size	and Allocation (select one option)				
☐ 0 - 2k Bits (256 Bytes) w	•	1			
(only available with MIF	ARE Classic 1K)				
3 - 32k Bits (4K Bytes) A	application areas 16k/2+16k/1				
4 - 32k Bits (4K Bytes) A	application areas 16k/16+16k/1	2.125"		Front Packagir	ng
13.56 MHz Technology C	Card Programming (select one option)	(5.4 cm)		_	
	d with Secure Identity Object (SIO), nmed with ecure Identity Object (SIO)				
P - CLASS programmed	with Secure Identity Object (SIO),	↓			
2 nd Technology unprogr (HID MIFARE or custon	rammed for Use with iCLASS SE encoder	<u></u> -	—	3.370" (8.57 cm)	
A - iCLASS unprogramm	ned for use with iCLASS SE Encoder, nmed with Secure Identity Object (SIO)	0.033"			
	ned for use with iCLASS SE Encoder, rammed for use with iCLASS SE encoder istom encoding)	(0.084 cm) A			
2 nd High Frequency (13.5	66 MHz) Technology (select one option)			Back Packagin	ng
M - MIFARE Classic 1K	Bytes (only available with iCLASS 2k bits)				
■ N - MIFARE Classic 4K	Bytes				
K - MIFARE DESFire EV	1 8K Bytes		OPT	IONAL MAGNETI	C STRIPE
125 kHz Technology Car	d Programming (select one option)			CO/HIGH ENERG	
P - Programmed with H	ID Prox or Indala format.		HIID ICLASS	12345	12345 YYYYYY
C - Programmed with C	ASI Prox.				
■ N - Unprogrammed HID	Prox.		12345 = C	Card ID Number	
Front Packaging (select	one option)			Y-YY = Sales Orde	r Number
G - Plain White with Glo	• •				
C - Custom Artwork wit	h Gloss Finish - Specify Custom Artwork Number ¹				
Back Packaging (select	one option)				
G - Plain White with Glo	ss Finish ²				
C - Custom Artwork wit	h Gloss Finish - Specify Custom Artwork Number ¹				
1 - Plain White with Glo	ss Finish with Magnetic Stripe ²				
3 - Custom Artwork with Specify Custom Artwork	h Gloss Finish with Magnetic Stripe - k Number ¹				



	LASS SE Progran		Informa Field Nan e.g. Facili	ne(s))	Value		QTY		Encoded	l Start N	umber	End	coded Stop Number
iCl	LASS SE Progran	nming	Inform	ation										
		L			I							<u> </u>		
	Final Part Number						-		N				_	(Options #)
Ent	ter your final card o	ptions 1	rom the	above	selectio	ıs. Exam	ple: 39	64PNPG0	SNNM					
		(Specify A	rtwork N	Number -	Refer to t	he Cust	om Artwor	k Form	s for new	artwork)			
Opt	tion - Custom Artwo	ork¹												
	C - Random Encoded	l/Non-N	latching S	Sequenti	ial Printed	l (Laser E	ngraved	d)						
	B - Sequential Encod	ed/Seq	uential No	n-Matc	hing Print	ed (Laser	Engrav	red)						
	A - Sequential Match	ing Enc	oded/Prir	nted (Las	ser Engra	ved)								
	R - Random Encoded	I/Non-N	latching S	Sequenti	ial Printed	l (Inkjette	d) ⁴							
	S - Sequential Encod	ed/Sequ	uential No	n-Matcl	hing Print	ed (Inkjet	ted) ⁴							
	N - No Printed Card I	Numberi	ng											
	M - Sequential Matc	•												
125	5 kHz Card Numberi	na³ (se	lect one	option))									
	C - Random Encoded	I/Non-N	latching §	Sequenti	ial Printed	l (Laser E	ngraved	d)						
	B - Sequential Encod	ed/Seq	uential No	n-Matc	hing Print	ed (Laser	- Engrav	red)						
	A - Sequential Match			•			•							
_	R - Random Encoded													
_	S - Sequential Encod		Ü	n-Matcl	hing Print	ed (Inkjet	ted) ⁴							
	N - No Printed Card I			(,,,									
	M - Sequential Matc		• •		•									
	13.56 MHz Card No	ımbarir	na3 (colo	ct one (ontion)									
X	N - No Slot Punch													
IIV	MPORTANT: Dual Hi		-					due to the						
Slo	ot Punch													
	C - Random Encoded	I/Non-N	latching S	Sequenti	ial Printed	l (Laser E	ngraved	1)						
	B - Sequential Encod	ed/Seq	uential No	n-Matc	hing Print	ed (Laser	Engrav	red)						
	A - Sequential Match	ing Enc	oded/Prir	nted (Las	ser Engra	ved)								
	R - Random Encoded	I/Non-N	latching S	Sequenti	ial Printed	l (Inkjette	d) ⁴							
	S - Sequential Encod	ed/Sequ	uential No	n-Matcl	hing Print	ed (Inkjet	ted) ⁴							
	N - No Printed Card	Numberi	ng											
	M - Sequential Matc	ning End	oded/Pri	nted (Inl	kjetted) ⁵									
		ering ³ (



2nd 13.56 MHz Programming Information

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

125 kHz Programming Information

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

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

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

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

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

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



iCLASS Credentials

iCLASS Card - 200 / 210

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

Base Model:		□ 200 S	tandard P	VC	□ 210	Compos	ite 40% Po	lyeste	r / PVC*
iCLASS Memory Size at 0 - 2k Bits (256 Bytes 3 - 32k Bits (4K Bytes 4 - 32k Bits (4K Bytes	s) with 2 Application a	cation Areas areas 16k/2	+16k/1)		<u> </u>			
iCLASS Programming HP - Programmed with and standard iCLASS P - Programmed with C - Unprogrammed, to	ith Security Id S Access Cont n standard iCL	entity Objectrol Applicat	ion (Recom s Control Ap			2.125" (5.4 cm)		Fro	ont Packaging
Front Packaging (sele G - Plain White with 0 C - Custom Artwork v	Gloss Finish		/ Custom Ar	twork Num		033" =	-		3.370" (8.57 cm)
Back Packaging (selection of the control of the con	Gloss Finish ³ with Gloss Fin Gloss Finish w with Gloss Fin	ish - Specify ith Magneti ish with Ma	c Stripe ³		(0.0)	34 cm) 🛊		Ва	ck Packaging
Card Numbering ⁴ (sele M - Sequential Match N - No Printed Card I	hing Encoded	•	kjetted) ⁸						. MAGNETIC STRIPE GH ENERGY - 40000E)
S - Sequential Encode R - Random Encode A - Sequential Match B - Sequential Encode C - Random Encode	ded/Sequentia d/Non-Matchi ning Encoded/ ded/Sequentia	ng Sequent Printed (Las al Non-Matc	ial Printed (li ser Engraved hing Printed	nkjetted) ⁷ d) (Laser Eng	graved)		12345 =	= Card IE	gramming Number Sales Order Number
Slot Punch ⁵ (select on N - No slot punch, Th B - No Slot Punch, Th V - Vertical Slot Punch H - Horizontal Slot Punch	nis card can be nis card can be ch unch ⁶								
Option - Custom Artwo		ify Artwork I	Number - Re	fer to the C	ustom Artwo	rk Forms for	new artwork))	
Enter your final card o	ptions from	check box	es above. E	example: 2	2000HPGGN	N		_	(Options #)



iCLASS Card Programming Information

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

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

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

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

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

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

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

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

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



iCLASS + Prox Card - 212

iCLASS + Prox cards can be ordered either with both SIO and iCLASS programming or iCLASS programming only, a composite fee applies to this card. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	☐ 212 Composite 40% Polyest	er / PVC*			
iCLASS Memory Size and 0 - 2k Bits (256 Bytes) wir	Allocation (select one option) th 2 Application Areas	1			
3 - 32k Bits (4K Bytes) Ap	pplication areas 16k/2+16k/1				
☐ 4 - 32k Bits (4K Bytes) Ap	oplication areas 16k/16+16k/1				
and standard iCLASS ac	Security Identity Object (SIO), cess control application, 25 kHz Unprogrammed. ¹ Security Identity Object (SIO),	2.125" (5.4 cm)		Front Packagi	ing : :
125 kHz 125 kHz prograr	mmed with HID Prox or Indala format				
•	andard iCLASS access control application, grammed for use with iCLASS SE Encoder		-	3.370" (8.57 cm)	
•	d with HID Prox or Indala format, iCLASS ard access control application	0.033" (0.084 cm)			
	ned, for use with iCLASS SE Encoder, d for use with iCLASS SE Encoder	(0.004 011)			
	ned, for use with iCLASS SE Encoder, th HID Prox or Indala format			Back Packagi	ng
☐ M - iCLASS Programmed	d, HITAG2 blank.				
☐ I - iCLASS configured fie	ld programmable, HITAG2 blank.				
Front Packaging (select o	one option)		OPTIO	NAL MAGNET	IC CTRIPE
G - Plain White with Glos)/HIGH ENERG	
C - Custom Artwork with	Gloss Finish - Specify Custom Artwork Number ²		HID ICLASS	12345	12345 YYYYYYYYYYYY
Back Packaging (select o G - Plain White with Glos	The state of the s			125 kHz #	iCLASS#
_	Gloss Finish - Specify Custom Artwork Number ²				
_	s Finish with Magnetic Stripe ³		12345 - Car	rd ID Number	
	Gloss Finish with Magnetic Stripe -			YY = Sales Ord	er Number
iCLASS Card Numbering⁴	(select one option)				
	g Encoded/Printed (Inkjetted) ⁷				
■ N - No Printed Card Num	nbering				
S - Sequential Encoded/	Sequential Non-Matching Printed (Inkjetted) ⁶				
R - Random Encoded/No	on-Matching Sequential Printed (Inkjetted) ⁶				
A - Sequential Matching	Encoded/Printed (Laser Engraved)				
☐ B - Sequential Encoded/	Sequential Non-Matching Printed (Laser Engraved))			
C - Random Encoded/No	on-Matching Sequential Printed (Laser Engraved)				
Slot Punch ⁵ (select one o	ption)				
■ N - No slot punch, This c	ard can be slotted vertically, Printed Vertical Slot Inc	dicators			



125 kHz Card Numberin	ıg⁴ (sele	ct one op	tion)										
M - Sequential Matchi	ng Encod	ded/Printed	d (Inkjette	d) ⁷									
N - No Printed Card N	umbering	ı											
S - Sequential Encode	d/Sequer	ntial Non-N	/latching l	Printed (In	kjetted) ⁶	6							
R - Random Encoded/	Non-Mate	ching Sequ	uential Pri	nted (Inkje	etted) ⁶								
A - Sequential Matchin	ng Encode	ed/Printed	l (Laser Er	ngraved)									
☐ B - Sequential Encode	d/Sequer	ntial Non-N	/latching l	Printed (La	ser Eng	raved)							
C - Random Encoded/	Non-Mat	ching Seq	uential Pri	nted (Lase	er Engra	ved)							
Option - Custom Artwo	(Sp	ecify Artwo							new artwo	rk)			
Final Part Number										_		(Optio	ons #)
					1								
iCLASS Card Progra	mming	Informa	ntion										
Format Number		eld Name(s j. Facility C	•	Va	lue	QTY	•	Ence	oded Start	Numb	er	Encoded Stop Number	er
HID Elite ICE #						_		Prin	ted Start N	lumbe	r	Printed Stop Number	
125 kHz Card Progra	mming	ı Informa	ation										
Format Number		eld Name(s j. Facility C	•	Va	lue	QTY	,	Ence	oded Start	Numb	er	Encoded Stop Number	er
								Prin	ted Start N	lumbe	r	Printed Stop Number	

¹ Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2120PGGNNN

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

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

⁴ The Printed card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.

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

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

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



iCLASS Key - 205

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

Base Model		⊠ 205	Base Mod	del							
iCLASS Memory Size and O - 2k Bits (256 Bytes) w 3 - 32k Bits (4K Bytes) A 4 - 32k Bits (4K Bytes) A Programming (select one H - Programmed with S access control applicat P - Programmed iCLASS C - iCLASS Unprograms Front Packaging	rith 2 ppli ppli ecur ion (S sta	2 Application Are cation areas 16l cation) rity Identity Obje Recommended andard access of for use with iCl	eas k/2+16k/1 k/16+16k/1 ect (SIO) and s d) control applica LASS SE Enco	tandard iCL tion only oder				.24 in [6 mm]		GLASS [21.75 mm]	1.55 in [39.4 mm]
N - iCLASS Key II - Black	< wit	h blue insert. In	cludes HID St	andard Artw	vork				I 4—1.25 IN	[31.75 mm] ——	
Back Packaging N - None											
Key Numbering¹ (select of M - Sequential Matchin N - No Printed Key Num S - Sequential Encoded N R - Random Encoded/N A - Sequential Matching B - Sequential Encoded C - Random Encoded/N Additional Options³	g Er Ser Ser Ion- g En Ser	ncoded/Printeding quential Non-Ma Matching Seque coded/Printed (quential Non-Ma	atching Printe ential Printed ((Engraved) atching Printe	(Inkjetted) ³ d (Engraved							
N - None Enter your final card opti	one	from the abov	vo coloction	Evample	· 20E0UNNI	MN					
Final Part Number	UIIS	205	ve selections	s. Example	. ZUSUHINNI	N		N		N	
					'						
iCLASS Key Program	mir	g Information	on								
Format Number		Field Name(s) Code	e.g. Facility	Value	QTY		Enc	coded Start Numb	er Encode	ed Stop Number	г
HID Elite ICE #							Prin	nted Start Number	r Printed	Stop Number	

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

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

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



iCLASS Tag - 206

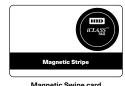
The iCLASS contactless smart Tag can be ordered either with both SIO and iCLASS programming or iCLASS programming only. iCLASS enable existing credentials or non-metallic devices such as cell phones or PDAs by adhering the iCLASS Tag.

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

■ 206 Base Model										
iCLASS Memory Size and 0 - 2k Bits (256 Bytes) w	ith 2 App	lication Areas)						
3 - 32k Bits (4K Bytes) A										
□ 4 - 32k Bits (4K Bytes) A iCLASS Programming inf □ H - Programmed with Sc □ P - Programmed with iC □ C - iCLASS Unprogramm Front Packaging (select of K - Black with HID Stand) □ C - Custom Artwork - Sp Rack Packaging	ormation ecurity Ide LASS acconned, for unone optical	n (select one entity Object (S cess control ap se with iCLASS on)	e option) SIO) and sta oplication of S SE Encod	nly	SS access conf	trol applicati		nended) D° ASS™ TAG		1.285" (32.639mm
Back Packaging							///	IAG		\ \ \ \
Tag Numbering¹ (select of M - Sequential Matching N - No Printed Tag Num S - Sequential Encoded N Slot Punch N - None	g Encode bering /Sequent	d/Printed (Inkj	ing Printed				Front Pa	ackagin	0.0	070" 3 mm)
Option - Custom Artwork										
		•			stom Artwork F	Forms for ne	w artwork)			
Enter your final Tag option	1	check boxes	above. Ex	cample: 20				T		(0.11 11)
Final Part Number	206				S		N	_		(Options #)
iCLASS Tag Programm	ming In	formation								
Format Number		d Name(s) Facility Code		Value	QTY	Encod	ed Start Nur	nber	Encoded Stop	o Number
HID Elite ICE #						Printed	d Start Numl	per	Printed Stop	Number

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





Contact Smart Chip

Magnetic Swipe card

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

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

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

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



iCLASS Clamshell Card - 208

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

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

X	20	Q D	200	N/	اما
\sim	_ ZU	ODA	1SE	IV	 м

iCLASS Memory Size and Allocation

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

iCLASS Programming (select one option)

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

Front Packaging (select one option)

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

Back Packaging (select one option)

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

Card Numbering³ (select one option)

- N No Printed Card Numbering
- S Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)³
- R Random Encoded/Non-Matching Sequential Printed (Inkjetted)³

Slot Punch

X V - Vertical Slot Punch

Option - Custom Artwork²

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

Enter your final card options from check boxes above. Example: 2080HPGSNV

Final Part Number	208			V	_	(Options #)

iCLASS Card Programming Information

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

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

2.060° (5.23 cm) (0.18 cm)

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

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

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



iCLASS + Other HF Card - 242

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

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

Base Model		er / PVC*	
O - 2k Bits (256 Bytes) v (only available with MII 3 - 32k Bits (4K Bytes)	ad Allocation (select one option) with 2 Application Areas FARE Classic 1K) Application areas 16k/2+16k/1 Application areas 16k/16+16k/1		
Card Programming (sele ☐ J - iCLASS programme and iCLASS standard a 2 nd technology program	ect one option) d with Security Identity Object (SIO) access control application, anned with Security Identity Object (SIO)	2.125" (5.4 cm)	Front Packaging
iCLASS standard acce B - iCLASS programme 2nd Technology program (MIFARE DESfire)	ed with Security Identity Object (SIO) and secontrol application, 2nd technology unprogrammed and with iCLASS standard access control application, mmed with HID MIFARE (MIFARE Classic) or custom	0.033" = 0.033" = 0.033" = 0.033"	3.370" (8.57 cm)
2nd Technology unprog C - Unprogrammed iCL Non-programmed 2nd 7 A - iCLASS unprogram	ASS, for use with iCLASS SE Encoder, Fechnology med, for use with iCLASS SE Encoder, mmed with HID MIFARE (MIFARE Classic)		Back Packaging
			OPTIONAL MAGNETIC STRIPE 1/2" (HICO/HIGH ENERGY - 40000E) IIII ICLASS 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
Front Packaging (select G - Plain White with Glo C - Custom Artwork wi			12345 = Card ID Number YYYYYYYYY = Sales Order Number
1 - Plain White with Glo		ı Artwork Number¹	
■ N - No Printed Card Nu ■ S - Sequential Encoded ■ R - Random Encoded/I ■ A - Sequential Matchin	ng Encoded/Printed (Inkjetted) ⁵		

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



Olot i ulicii	SI	ot	Punch
---------------	----	----	--------------

HID Elite ICE #	:						Printe	d Start Num	ber	Printed Stop Number
Format Number	·	d Name(s) Facility Code	e	Value	QTY		Enco	ded Start Nui	mber	Encoded Stop Number
2 nd 13.56 MF	lz Technology (Card Progra	amming l	nformatio	n					
]					
HID Elite ICE #	:						Printe	ed Start Num	ber	Printed Stop Number
Format Number		d Name(s) Facility Code	•	Value	QTY		Enco	ded Start Nui	nber	Encoded Stop Number
iCLASS Card	Programming	Informatio	n							
Final Part Nu	mber						N		_	(Options #)
Enter your fina	l card options fro	m the above	selections	. Example:	2420HNGGN	NN				
		ecify Artwork	Number - Re	efer to the Cu	ıstom Artwork	Forn	ns for n	ew artwork)		
Option - Custo		ming Goquom		Lacor Engrav	ou,					
	al Encoded/Sequer Encoded/Non-Mato		-	_						
_	al Matching Encode		_		1)					
	Encoded/Non-Mato			-						
S - Sequentia	al Encoded/Sequer	tial Non-Mato	hing Printed	d (Inkjetted) ⁵						
☐ N - No Printe	ed Card Numbering									
	ency Technology (ial Matching Encod		• •	ct one optio	n)					
N - No Slot F										
	HID recommends	,						0		
IMPORTANT:	Dual High Frequer	cy credentials	s do not allo	w a slot pund	ch due to the a	nten	na desi	gn.		

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

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

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

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

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



iCLASS + Other 13.56 MHz + Prox Card - 262

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

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

Base Model	■ 262 Composite 40% Polyester / PVC*				
0 - 2k Bits (25 (only available3 - 32k Bits (4	y Size and Allocation (select one option) 6 Bytes) with 2 Application Areas e with MIFARE Classic 1K) K Bytes) Application areas 16k/2+16k/1 K Bytes) Application areas 16k/16+16k/1	0.405			
J - iCLASS pro	bgrammed with Security Identity Object (SIO) tandard access control application, y programmed with Security Identity Object (SIO)	2.125" (5.4 cm)		Front Packag	ing
and iCLASS s	ogrammed with Security Identity Object (SIO) tandard access control application, y unprogrammed	_ *	-	3.370" (8.57 cm)	
and iCLASS s 2 nd Technolog	ogrammed with Secure Identity Object (SIO) tandard access control application, gy programmed with HID MIFARE (MIFARE Classic) IFARE DESfire)	0.033" (0.084 cm)			
2 nd Technolog	ogrammed with iCLASS standard access control application, by programmed with HID MIFARE (MIFARE Classic) IFARE DESfire)			Back Packag	ing
	ogrammed with iCLASS standard access control application, by unprogrammed				
	nprogrammed, for use with iCLASS SE Encoder, gy unprogrammed			TONAL MAGNET	
2 nd Technolog	nprogrammed, for use with iCLASS SE Encoder, gy programmed with HID MIFARE (MIFARE Classic) IFARE DESfire).		HID iCLASS	12345	12345 YYYYYYYYYYY
M - MIFARE C	Z Technology (select one option) Classic 1K Bytes (only available with iCLASS 2k bits) Classic 4K Bytes ESFire EV1 8K Bytes				
☐ P - Programm ☐ C - Programm	logy Card Programming (select one option) ned with HID Prox or Indala format. ned with Indala CX (Casi Prox) mmed HID Prox, for use with iCLASS SE Encoder				
G - Plain Whit	g (select one option) e with Gloss Finish rtwork with Gloss Finish - Specify Custom Artwork Number ¹				
G - Plain Whit	y (select one option) e with Gloss Finish ² rtwork with Gloss Finish - Specify Custom Artwork Number ¹ e with Gloss Finish with Magnetic Stripe ²				

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



iCLASS Card Numbering ³ M - Sequential Matching	•	-		etted) ⁵										
N - No Printed Card Num			,	,										
S - Sequential Encoded/S	_	itial Non	-Matchi	ing Printe	d (Inkje	tted) ⁵								
R - Random Encoded/Non	-			-	-									
A - Sequential Matching B	Encode	ed/Printe	ed (Lase	er Engrav	ed) ⁴									
B - Sequential Encoded/S						r Engr	aved	d) ⁴						
C - Random Encoded/No	n-Mato	ching Se	quentia	I Printed	(Laser E	Engrav	ed)4							
Slot Punch														
IMPORTANT: Dual High F HID recomm		-									-			
N - No Slot Punch														
2 nd 13.56 MHz Card Number	_	•												
N - No Printed Card Num	bering													
S - Sequential Encoded/S	Sequen	itial Non	-Matchi	ing Printe	ed (Inkje	tted)4								
R - Random Encoded/No	n-Matc	ching Se	quentia	l Printed	(Inkjette	ed) ⁴								
A - Sequential Matching B	Encode	ed/Printe	ed (Lase	er Engrav	ed)									
☐ B - Sequential Encoded/S	Sequen	ntial Non	-Matchi	ing Printe	ed (Lase	r Engr	avec	d)						
C - Random Encoded/No (Laser Engraved)	n-Mato	ching Se	quentia	l Printed										
125 kHz Card Numbering ³	•													
M - Sequential Matching		ed/Print	ed (Inkj	etted)4										
N - No Printed Card Num	_					4								
S - Sequential Encoded/S	-			_										
R - Random Encoded/No		-	-		-	ed) ⁴								
A - Sequential Matching E				_		_		1)						
B - Sequential Encoded/S	•			Ü	ed (Lase	r Engr	avec	1)						
C - Random Encoded/No (Laser Engraved)	n-iviato	ening Se	quentia	i Printea										
Option - Custom Artwork¹	(Spe	ecify Art	work Ni	umber - F	Refer to	the Cu	ston	n Artwo	rk Forr	ns for i	new ar	twork)		
Enter your final card option	— ns froi	m the a	bove s	election	s. Exan	nple: 2	262	4JNGG	NNN					
Final Part Number							Ť		N			_		(Options #
Tillari arcitamisci														(optiono n
iCLASS Card Programi	mina	Inform	ation											
	9													
Format Number		ld Name Facility			Value	9		QTY		Enco	ded S	tart N	umber	Encoded Stop Number
HID Elite ICE #										Print	ed Sta	art Nur	nber	Printed Stop Number
							1							



2nd 13.56 MHz Card Programming Information

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

125 kHz Card Programming Information

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

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

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

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

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

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



UHF Credentials

UHF Card - 600

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

Base Model			⊠ 600 (Composi	te 40% Po	olye	ester / P	VC*				
Secure Identity Object I				ject (SIO)						1		
Front Packaging (select G - Plain White with Gl C - Custom Artwork w	oss l	inish		y Custom /	Artwork Num	nber ¹	1		2.125 (5.4 cr		ı	Front Packaging
Back Packaging (select G - Plain White with Gl C - Custom Artwork wi 1 - Plain White with Gl 3 - Custom Artwork wi Specify Custom Artwo	oss I ith G oss F th G	Finish ² loss Fin Finish w	ish - Speci	ic Stripe ²		nber¹	ı		033" = 84 cm)			3.370" (8.57 cm)
UHF Card Numbering³ (umbe ng Er d/Se	ering ncoded/ equentia	Printed (La	hing Printe	ed (Laser Enç						1	Back Packaging
Slot Punch N - No Slot Punch										© HID	½" (HICC	NAL MAGNETIC STRIPE D/HIGH ENERGY - 40000E) 12345 YYYYYYYYYY
Option - Custom Artwork (Specify Artwork Num Enter your final card op	ber -									,	/YYYYYY <u>-</u>	UHF YY = Sales Order Number
Final Part Number		600	Т						N	-		(Options #)
UHF Programming I	nfor	matio	n ⁵									
Format Number			Name(s) acility Cod	е	Value		QTY		Enco	ded Start N	umber	Encoded Stop Number
HID Elite ICE #									Print	ed Start Nu	mber	Printed Stop Number

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

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

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

⁵ Number of bits should remain below 120 bits.

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



UHF + iCLASS Card - 601

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

Base Model	6 Polyester / PVC*			
iCLASS Memory Size and Allocation		_		
3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1		1		
4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1				
Card Programming				
S - UHF Programmed with Secure Identity Object (SIO). iCLASS programmed with standard iCLASS standard access control application and Secure Identity Object (SIO)	2.12 (5.4 c			Front Packaging
□ T - UHF Programmed with Secure Identity Object (SIO). iCLASS programmed with Secure Identity Object (SIO)				
☐ H - UHF Programmed with Secure Identity Object (SIO). iCLASS programmed with standard iCLASS access control appliation		<u> </u>		3.370"
☐ C - UHF Programmed with Secure Identity Object (SIO). iCLASS unprogrammed for use with iCLASS SE Encoder				(8.57 cm)
Front Packaging (select one option) G - Plain White with Gloss Finish	0.033" (0.084 cn	1) (1		
☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork	Number ¹	'		
Back Packaging (select one option) ☐ G - Plain White with Gloss Finish²				Back Packaging
☐ 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				OPTIONAL MAGNETIC STRIPE " (HICO/HIGH ENERGY - 40000E)
UHF Card Numbering ³ (select one option)		,	© HID iCLASS UHF	4*12345 12345 YYYYYYYYYY SR
■ N - No Printed Card Numbering				 MIFARE UHF
☐ A - Sequential Matching Encoded/Printed (Laser Engraved)			VVVV	YYYY-YY = Sales Order Number
B - Sequential Encoded/Sequential Non-Matching Printed (Lase	,		1111	1111-11 - Sales Order Number
C - Random Encoded/Non-Matching Sequential Printed (Laser E	Engraved)			
iCLASS Card Numbering ³ (select one option)				
N - No Printed Card Numbering				
☐ A - Sequential Matching Encoded/Printed (Laser Engraved) ☐ B - Sequential Encoded/Sequential Non-Matching Printed (Laser	r Engroyed)			
C - Random Encoded/Non-Matching Sequential Printed (Laser E	,			
Slot Punch ⊠ N - No Slot Punch	.ngiavoa)			
Option - Custom Artwork¹ (Specify Artwork Number - Refer to the control of the control of the custom Artwork of the custom Art	he Custom Artwork For	ms for	new artwork)	
Enter your final card options from the above selections. Exan	nple: 6013TGGNNN			
Final Part Number 600 T		N	_	(Options #)



UHF Programming Information⁵

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

iCLASS Programming Information

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

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

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

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

⁵ Number of bits should remain below 120 bits.

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



UHF + MIFARE Classic Card - 603

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

Base Model		⊠ 603	Compos	ite 40% F	Polyester	/ PVC*			
Cord Drogramming									
Card Programming ☐ J - UHF Programmed MIFARE programmed MIFARE non-program ☐ H - UHF Programmed MIFARE programmed MIFARE programmed MIFARE custom prog	with Secure with Secure med with Secure with HID M with Secure	e Identity C Identity O Identity O IFARE acceleration	bject (SIO) bject (SIO), bject (SIO), ess control bject (SIO),	application		2.125" (5.4 cm)		Fro	ont Packaging
MIFARE Memory Size a	nd Allocati	ion				_			3.370"
M - 4K Bytes Front Packaging (selection G - Plain White with G C - Custom Artwork w	loss Finish	·	ifv Custom	Artwork Nu	ımber ¹ (0.033" 	-		(8.57 cm)
Back Packaging (selec G - Plain White with G C - Custom Artwork w 1 - Plain White with G 3 - Custom Artwork w Specify Custom Artwork	loss Finish ² vith Gloss Fin loss Finish v vith Gloss Fir	nish - Spec vith Magne nish with M	tic Stripe ²		mber ¹			Ва	ck Packaging
UHF Card Numbering ³ ((select one	option)							AL MAGNETIC STRIPE HIGH ENERGY - 40000E)
■ N - No Printed Card N ■ A - Sequential Matchi ■ B - Sequential Encoded ■ C - Random Encoded,	ng Encoded ed/Sequenti	al Non-Ma	tching Print	ted (Laser E				HF MF 1M4P	4*12345 12345 YYYYYYYYYYY SR MIFARE UHF
Slot Punch N - No Slot Punch							``	(′ = Sales Order Number
MIFARE Card Numberin N - No Printed Card N A - Sequential Matchi C - Random Encoded, B - Sequential Encode Option - Custom Artwo (Specify Artwork Num	umbering ng Encoded /Non-Match ed/Sequenti rk¹ nber - Refer t	/Printed (L ing Sequel al Non-Mar to the Cust	aser Engra ntial Printed tching Print om Artwork	d (Laser Eng ted (Laser E c Forms for r	ngraved) new artworl				
Enter your final card op		the above	e selectio	ns. Exampl	le: 603JM(GGANA	AI		(Ontions #)
Final Part Number	603						N		(Options #)



UHF Programming Information⁵

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

MIFARE Programming Information

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

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 **FIID** and reference number printed in the lower left-hand on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

⁵ Number of bits should remain below 120 bits.

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



HID Proximity Credentials

ProxCard II Card - 1326

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

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

125 kHz Card Programming Information

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

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

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

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



DuoProx II Card - 1336 / 1536

Base Model		□ 1330	6 Standard	PVC	□ 1530	6 Comp	osite	40% P	olyest	er / PVC*
125 kHz Programming	HID Prox or HID Prox, for ct one option v/ Gloss Fin	Indala form use with iC on)	LASS SE Enco		(2.125" (5.4 cm)			Fro	nt Packaging
Back Packaging (selection of the PVC of the	v/ Gloss Fin k II Artwork (w/ Gloss Fin	ish ² Gloss Finish ish - Specif		vork Number ¹	1,2	<u></u>	<u></u>			3.370" (8.57 cm)
Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)⁵ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵ A - Sequential Matching Encoded/Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) C - Random Encoded/Non-Matching Sequential Printed (Engraved) Slot Punch⁴ (select one option) N - No slot punch, Printed Vertical and Horizontal Slot Indicators V - Vertical Slot Punch, Printed Vertical Slot Indicators						933" = ¥ 44 cm) \$			MAG	HID CORPORATION X® II NETIC STRIPE igh Energy - 4000 OE) 12345 YYYYYYYYYYY
Option - Custom Artwo	(Spe		« Number - Re xes above. E			k Forms fo	or new	YYYYYY		Number Sales Order Number
Final Part Number										(Options #)
125 kHz Card Progr	amming	Informati	ion							
Format Number		Field Name(s) Value e.g. Facility Code			QTY	En	Encoded Start Number			Encoded Stop Number
						Pri	inted	Start Nun	nber	Printed Stop Number



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



ProxKey III Keyfob - 1346

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

☒ 1346 Base Model

Programming (select one option)

L - Programmed with HID Prox or Indala format

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

Front Packaging

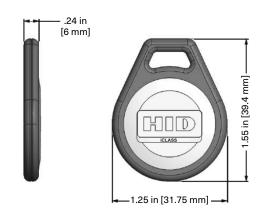
- N ProxKey III Black with grey insert. Includes HID Standard Artwork
- C ProxKey III Custom Artwork Specify Custom Artwork Number¹

Back Packaging

S - Standard

Keyfob Numbering² (select one option)

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



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

Additional Options⁴

N - No Option

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

Final Part Number	1346			S		N
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125 kHz ProxKey Programming Information

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

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

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

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

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



ISOProx II Card - 1386 / 1586

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

Base Model			□ 1386	Standard	PVC	□ 1586	Compo	site	40% Poly	yeste	er / PVC*
125 kHz Programming (L - Programmed with I N - Unprogrammed H	HID F	Prox or Ir	ndala format		oder		<u> </u>				
Front Packaging (selec	/ Glo	ss Finish	า			(5.	125" 4 cm)			Fron	t Packaging
C - Custom Artwork w	/ Glo	ss Finisl	h - Specify C	Custom Artv	vork Numbe	r ¹					
Back Packaging (select ☐ G - Plain White PVC w			•								
C - Custom Artwork w	/ Glo	ss Finisl	h - Specify C	Custom Artv	vork Numbe	r ^{1,2}	<u></u>	_			3.370"
Card Numbering (selec M - Sequential Match			•	cjetted)5		0.033 (0.084)		_		(8	3.57 cm)
N - No Printed Card N S - Sequential Encoded R - Random Encoded/ A - Sequential Matchin B - Sequential Encoded/ C - Random Encoded/ Slot Punch4 (select one N - No slot punch, Prin V - Vertical Slot Punch H - Horizontal Slot Punch Option - Custom Artwo	d/Se Non ger d/Se VNon e opt the hold final fina	equentia -Matchir ncoded/ equentia -Matchir ion) Vertical a nted Hor Printed V	ng Sequentia Printed (Eng I Non-Match ng Sequentia and Horizon izontal Slot I /ertical Slot	al Printed (Ingraved) ning Printed (Bal	(Engraved) Engraved) cators	om Artwork Fo		l l	12345 = Ca YYYYYYY	ırd ID N	12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
Enter your final card op	tion	s from (песк рохе	es above. E	xampie: 13	BOLGGMN				1	/o .: "\
Final Part Number									_		(Options #)
125 kHz Card Progra	ımn	ning In	formatio	n							
Format Number			Name(s) acility Code		Value	QTY	Ence	oded	Start Num	ber	Encoded Stop Number
							Prin	ted S	Start Numbe	er	Printed Stop Number
						J					

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 reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

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

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

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



ProxPass II Active Vehicle Identification Tag - 1351

(Compatible with MaxiProx® 5375)

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

☒ 1351 Base Model Programming¹ 3.660 [93.0 mm] 0.330°[8.4 mm] **B** - Standard beige finish 2.660 **Back Packaging** [67.6 mm] **S** - Standard HID logo Tag Numbering (select one option) **Front Packaging Back Packaging** N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) 12345 = Card ID Number YYYYYYYYY = Sales Order Number **Hardware Option** N - None Enter your final Tag options from check boxes above. Example: 1351LBSMN **Final Part Number** S N (Optional Artwork #) 125 kHz Tag Programming Information¹

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

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

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

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



MicroProx Tag Proximity - 1391

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

Programming (select one o	Prox or Indala		Encoder				
Front Packaging (select one S - Gray with HID Standard G - Plain Gray Finish, (No A C - Custom Artwork - Spec Back Packaging ³ S - Adhesive Backing	e option) I Artwork Artwork)					HID*	1.285" (32.639mm)
Tag Numbering² (select one M - Sequential Matching E N - No Printed Tag Number S - Sequential Encoded/Sec R - Random Encoded/None	incoded/Prir ring equential No	n-Matching Pri	nted (Inkjetted)3			0.070" (1.78 mm)
Slot Punch N - None							
Optional Custom Artwork¹ Enter your final Tag options	_				k Forms for new Art	work)	
Final Part Number	1391			S	N	-	(Options #)
125 kHz Tag Programmi	ing Inform	nation					
Format Number	Field Nam		Value	QTY	Encoded Sta	art Number	Encoded Stop Number
					Printed Star	t Number	Printed Stop Number

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

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

MicroProx Placement





Contact Smart Chip

Magnetic Swipe card

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

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

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



Direct Image PVC Glossy Label Part Numbers

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

Notes:

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



Indala 125 kHz Credential

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

All card orders must have the following information:

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

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

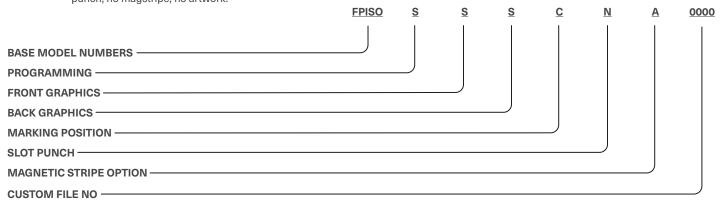
- SLOT PUNCH Specifies slot location if available.
- . CARD OPTIONS Applies to FlexCard™ (Base Model FPCRD/CXCRD) only.
- · MAGNETIC STRIPE OPTION Specifies if card is to have a magstripe and which type (ISO Imageable Cards only).
- CUSTOM FILE NUMBER Specifies the artwork number to be used.



FPISO - FlexPass Imageable Card

Standard Part No.: FPISO-SSSCNA-0000

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



BASE MODEL NUMBERS

FPISO FlexISO Proximity Card

FPWGD FlexISO Proximity and Wiegand Combination Card

FPIXT FlexISO XT Composite Proximity Card

PROGRAMMING

S = Standard, Programmed, Low Frequency 125 kHz - exact coding standard, with no gaps or over-runs (Specify Format Number, Facility Code, and ID Range)

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

FRONT GRAPHICS

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

BACK GRAPHICS

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

MARKING POSITION

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

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

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

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

SLOT PUNCH

N = None

V = Vertical (portrait orientation) - Unavailable for FPWGD

H = Horizontal (landscape orientation)

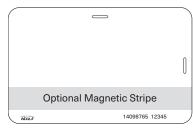
MAGNETIC STRIPE OPTION

A = No Magstripe

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

CUSTOM FILE NUMBER (4 Characters - Factory Assigned)

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



Position C



FPCRD - FlexCard Standard Card

Standard Part No.: FPCRD-SSSMW-0000

Description: 125 kHz, printed Indala logo on front, embossed Indala logo on back, card marking on flat side (lower right corner with slot to the right), white color (not printable), no artwork. Vertical slot punch only.



BASE NUMBER

FPCRD - 125 kHz Clamshell type Proximity Card

PROGRAMMING

S = Standard, Programmed, Low Frequency 125 kHz - exact coding standard, with no gaps or over-runs (Specify Format or Format Number, Facility Code, and ID Range)

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

FLAT SIDE GRAPHICS

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

EMBOSSED SIDE GRAPHICS

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

MARKING POSITION

Notes:

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

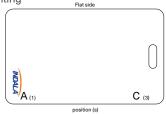
CARD OPTION

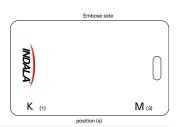
- W = White (standard color) surface treated with UV protection may not accept printing
- P = Printable, matt finish No varnish, no logo, surface will accept post printing

CUSTOM FILE NUMBER (4 Characters - Factory Assigned)

0000 = No Artwork

Call your Customer Service Representative for new artwork



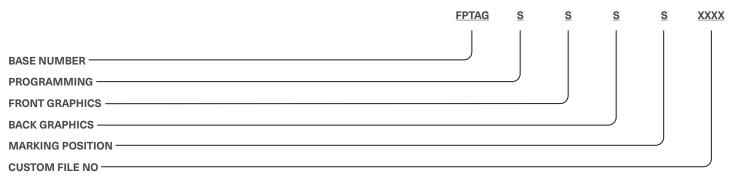




FPTAG - FlexTag

Standard Part No.: FPTAG-SSSS-XXXX

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



BASE NUMBER

FPTAG - 125 kHz Keytag Type Proximity Card

PROGRAMMING

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

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

N = Not Programmed

FRONT GRAPHICS

S = Standard (printed Indala logo)

BACK GRAPHICS

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

MARKING POSITION

Notes

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

S = Standard (back side on printed strip)

CUSTOM FILE NUMBER XXXX (4 Characters - Factory Assigned)

0002 = No Artwork

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

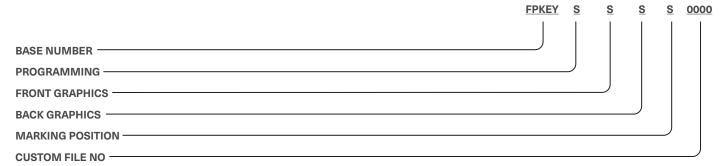
In order to support laser marking technology HID will be transitioning from a white release paper to a black release paper. Please consult your sales Account Manager for more information.



FPKEY - FlexKey Keytag

Standard Part No.: FPKEY-SSSS-0000

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



BASE NUMBER

FPKEY - 125 kHz Keytag Type Proximity Card

PROGRAMMING

S = Standard, Programmed, Low Frequency 125 kHz - exact coding standard, with no gaps or over-runs (Specify Format or Format Number, Facility Code, and ID Range)

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

FRONT GRAPHICS

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

BACK GRAPHICS

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

MARKING POSITION

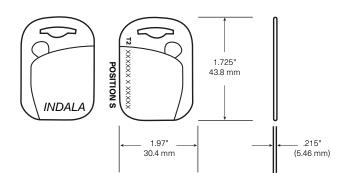
Notes:

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

CUSTOM FILE NUMBER (4 Characters - Factory Assigned)

0000 = No Artwork

Call your Customer Service Representative for new artwork.





FlexPass Formats

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

Format Name: 26-BIT WIEGAND

Card Format Number Facility Code Range ID Number Range

40134 0 to 255 0 to 65,535 (Systems installed prior to June 2003) 0 to 65,535 (All new Systems except FP Lite) ASP 10022 0 to 255

Reader Format Numbers

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

Format Name: 27-BIT INDALA

Card Format Number Facility Code Range ID Number Range 0 to 16,383

4010X 0 to 8,191

Reader Format Numbers

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

Format Name: ABA TRACK 2

Card Format Numbers Facility Code Range ID Number Range

4038X (ASP) 0 to 255 0 to 99,999 17256 (ASP+) 0 to 99,999 0 to 99,999

Reader Format Numbers

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

Format Name: RS232 Serial Data

Card Format Number Card Programming Range

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

Reader Format Number

16144

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

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



MIFARE DESFire® Credentials

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

· High Security Profile

A Secure Identity Object (SIO) based DESFire EV3 application that utilizes the latest security features combined with random UID for enhanced privacy protection. Compatible with HID Signo™ Reader firmware 10.0.2.2 or higher.

· Compatibility Profile

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

This options includes:

- · Legacy EV1 SIO Application
 - Compatibility: Supported by HID Signo, iCLASS SE and multiCLASS SE readers
- · EV3 SIO Application
 - Compatibility: Supported by HID Signo readers with firmware 10.0.2.2 or higher.

Custom Profile

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

	Base Part Number		Signo Reader (firmware 10.0.2.2 or greater) HID Signo Reader, iCLASS SE, multiCLASS SE Programming with Diversified ke EV1 SIO and Cus Application Programmin		DESFire Compatibility			
	Single Technology	Dual Technology	Readers	CP1000				
High Security Profile	802	812	Signo Reader	Custom Application Programming with Non- Diversified keys				
Compatibility Profile	801	811	9	EV1 SIO and Custom Application Programming				
Custom Profile	800	810	iCLASS SE "W" Custom Profile, multiCLASS SE "W" Custom Profile	EV1 Custom Application Programming				



MIFARE DESFire EV3 Card: High Security Profile - 802

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

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.2 or higher.

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

Base Model		⊠ 80	2 Compo	site (40%	6 Polyes	ter/PVC)					
MIFARE DESFire EV3 I	Memory Si	ze					-			3.370" (8.57 cm)	-
Secure Identity Object P - Programmed with Based on Random U	h EV3 Secur	e Identity (
Front Packaging (sele G - Plain White with C - Custom Artwork	Gloss Finish	1	ecify Custor	m Artwork N	lumber ³	2.125" (5.4 cm))		F	ront Packaging	
G - Plain White with	ck Packaging (select one option) G - Plain White with Gloss Finish ² 1 - Plain White with Gloss Finish with Magnetic Stripe ² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ^{2,3}					ļ.	<u> </u>				
	with Gloss F with Gloss F	Finish – Sp	ecify Custor	m Artwork N	lumber ^{2,3}	0.033" (0.084 cm)			SI	nared Card Edge	
Card Numbering ⁴ (sel- N - No Printed Card A - Sequential Matcl B - Sequential Encode C - Random Encode	Numbering, ning Encode ded/Sequer	sales numed/Printed	(Laser Engr latching Pri	aved) nted (Laser I					В	ack Packaging	
Slot Punch N - No Slot Punch.							©	D DESF	ire D83X	12345 YYYYYYYYYY	' SE XT
IMPORTANT: 802 cre				due to anter a lanyard or			12345 = Card ID Number YYYYYYYYYY = Sales Order Number				er
Option - Custom Artw Enter your final card of	(Spec	•				twork Forms f	or new /	Artwo	ork)		
Final Part Number	802	F	Р				N		-		(Options #)
DESFire EV3 Card	Programi	ming Info	ormation								

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

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

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

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

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



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

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

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.2 or higher.

Ensure each required option	has been checked with the appropriate choice to f	ulfill a completed o	rder form.		
Base Model	⊠ 812 Composite (40% Polyes)	ster/PVC)			
MIFARE DESFire EV3 Mem	ory Size	_	•	3.370" —(8.57 cm)	<u> </u>
_	bject Programming¹ Secure Identity Object (SIO) application. or improved privacy of user data.				
Prox Programming (select ☐ P - Programmed with HID ☐ N - Unprogrammed HID R	• •	2.125" (5.4 cm)	ı	Front Packaging	
Front Packaging (select of G - Plain White with Gloss C - Custom Artwork with	s Finish				
Specify Custom Artwork		0.033" (0.084 cm)	s	hared Card Edge	<u> </u>
C - Custom Artwork with Specify Custom Artwork	s Finish ² s Finish with Magnetic Stripe ² Gloss Finish - Number ^{2,3} Gloss Finish with Magnetic Stripe -		I	Back Packaging	
DESFire Card Numbering⁴ ☐ N - No Printed Card Num ☐ A - Sequential Matching	· · · · · · · · · · · · · · · · · · ·		© IIID DESFire D83X	12345 YYYYYYYYYY SE	хт
	Sequential Non-Matching Printed (Laser Engraved n-Matching Sequential Printed (Laser Engraved))	12345 = Card I	D Number = Sales Order Number	
Slot Punch N - No Slot Punch.					_
	ials do not allow a slot punch due to antenna desig holder to attach this card to a lanyard or badge cli				
125 kHz Card Numbering ⁴ N - No Printed Card Num	bering				
_	Encoded/Printed (Laser Engraved)				
_	Sequential Non-Matching Printed (Laser Engraved				
C - Random Encoded/No	n-Matching Sequential Printed (Laser Engraved)				
Option - Custom Artwork ³	_(Specify Artwork Number - Refer to the Custom A	rtwork Forms for n	ew Artwork)		

N

(Options #)

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

P

F

812

Final Part Number



DESFire EV3 Card Programming Information

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

DESFire EV3 Card Programming Information

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

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

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

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

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



MIFARE DESFire EV3 Card: Compatibility Profile - 801

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

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

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.2 or higher.

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

Base Model 801 Composite (40% Polye	ster/PV0	C)				
MIFARE DESFire EV3 Memory Size ☑ F - 8K Bytes		-			3.370" (8.57 cm)	
DESFire Secure Identity Object Programming¹ ☐ P - Programmed with legacy EV1 Secure Identity Object (SIO) application plus EV3 Secure Identity Object (SIO) application ☐ V - Unprogrammed for use with iCLASS SE Encoder (EV1 compatible SIO application programming only)		125" 1 cm)		Fro	ont Packaging	
Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ³	0.033			Cho	nred Card Edge	
Back Packaging (select one option) G - Plain White with Gloss Finish ² 1 - Plain White with Gloss Finish with Magnetic Stripe ² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number ^{2,3}	(0.084 c	m) •			ck Packaging	
Card Numbering⁴ (select one option)	1)			l5 = Card ID	12345 YYYYYYYYY SE Number Sales Order Number	хт
Slot Punch N - No Slot Punch. **IMPORTANT:** 801 credentials do not allow a slot punch due to antenna design Use a badge holder to attach this card to a lanyard or badge cl	gn. ip.					
Option - Custom Artwork Specify Artwork Number - Refer to the Custor Enter your final card options from check boxes above. Example: 801FF	n Artwork I	Forms for	new Ar	twork)		
Final Part Number 801 F			N	-	(0	options #)



DESFire EV3 Card Programming Information

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

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

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

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

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



MIFARE DESFire EV3 + Prox Card: Compatibility Profile - 811

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

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

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.2 or higher.

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

Base Model		Σ	811 (Compos	ite (40%	Polyest	er/PVC)				
MIFARE DESFire EV3 Mer F - 8K Bytes	nory Siz	ze						 		3.: ——(8.5	370" 7 cm)	
DESFire Secure Identity (☐ P - Programmed with leg application plus EV3 Se☐ V - Unprogrammed for u (EV1 compatible SIO app	gacy EV1 cure Ide	I Secontity	cure Ident Object (S SS SE En	tity Object BIO) applic coder			2.12 (5.4 c			Front P	ackaging	
Prox Programming (selection of P - Programmed with HI N - Unprogrammed HID	D Prox o	r Inc	lala forma		P1000)							
Front Packaging (select of G - Plain White with Glost C - Custom Artwork with	ss Finish	1	n - Specif	v Custom	Artwork Nu	umber ³	0.033" : (0.084 cm	<u>†</u> =		-Shared	Card Edge	
Back Packaging (select o G - Plain White with Glos 1 - Plain White with Glos C - Custom Artwork with	o ne opti ss Finish ss Finish	on) 1 ² with	ı Magneti	c Stripe ²						Back P	ackaging	
3 - Custom Artwork with Specify Custom Artwork			n with Ma	gnetic Str	ipe -				DESFire D83X		12345 YYYYYYYYYY S	· -
13.56 MHz DESFire Card N - No Printed Card Nun A - Sequential Matching B - Sequential Encoded/ C - Random Encoded/N	nbering Encode /Sequen	ed/Pr	rinted (La Non-Matc	ser Engrav	ved) ed (Laser E			C	12345 = Ca	ard ID Nun		E XT
Slot Punch N - No Slot Punch. IMPORTANT: 811 creden	itials do i	not a	allow a slo	ot nunch d	ue to anter	nna design						
Use a badg												
125 kHz Card Numbering N - No Printed Card Num A - Sequential Matching B - Sequential Encoded,	nbering Encode /Sequen	tial l	Non-Matc	hing Print	ed (Laser E	_						
Option - Custom Artwork		nıng	ı Sequent	ial Printed	ı (Laser Enç	graved)						
		(S	Specify Ar	twork Nur	nber - Refe	er to the Cu	stom Artw	ork Forr	ns for new Ar	twork)		
Enter your final card option			eck box	es above	. Example	: 811FPP	GGANA	I		1	1	
Final Part Number 81	1 F	-	1	1	1	1	I	N		_	1	(Options #)



DESFire EV3 Card Programming Information

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

125 kHz Card Programming Information

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

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

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

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

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



MIFARE DESFire EV3 Card: Custom Profile - 800

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

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

Base Model	lodel ⊠ 800 Composite (40% Polyester/PVC)							
MIFARE DESFire EV3 Memory Size F - 8K Bytes		-		3.370" -(8.57 cm)				
DESFire Programming (select one option)	2.125" (5.4 cm)		Fre	ont Packaging				
Front Packaging (select one option) G - Plain White with Gloss Finish ² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ³								
Back Packaging (select one option) G - Plain White with Gloss Finish ²	0.033" V		Sha	ared Card Edge				
1 - Plain White with Gloss Finish with Magnetic Stripe ² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number ^{2,3}			Ва	ck Packaging				
Card Numbering⁴ (select one option) □ N - No Printed Card Numbering, sales number marking only □ A - Sequential Matching Encoded/Printed (Laser Engraved) □ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) □ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) □ Z - Reversed UID (CSN) Decimal card numbering only(Laser Engraved)		(e) TITO DESFire	D83X	12345 YYYYYYYYY SE	хт			
Slot Punch N - No Slot Punch.			= Card ID YYY-YY =	Number Sales Order Number				
IMPORTANT: 80 credentials do not allow a slot punch due to antenna design. Use a badge holder to attach this card to a lanyard or badge clip								
Option - Custom Artwork (Specify Artwork Number - Refer to the Custom Artwork Final card options from check boxes above. Example: 800FN0	Artwork Forms fo	or new Artw	ork)					
Final Part Number 800 F		N	-	(0	ptions #)			



DESFire EV3 Card Programming Information

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

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

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

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

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



MIFARE DESFire EV3 + Prox: Custom Profile - 810

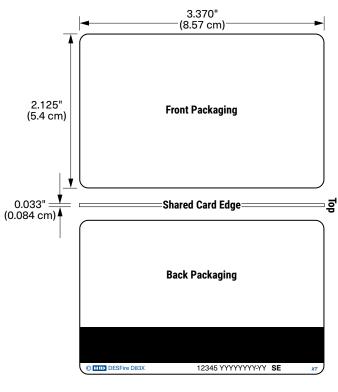
Migration solution from Proximity to either fully customized bespoke DESfire specifications, or unprogrammed for full in-field personalization with EV1, EV2 or EV3 compliant solutions.

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

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

 ■ 810 Composite (40% Polyester/PVC) **Base Model MIFARE DESFire EV3 Memory Size** F - 8K Bytes DESFire EV3 DESFire Programming (select one option) **DESFire Programming (select one option)** N - Unprogrammed for use with iCLASS SE Encoder (EV1 custom encoding only) or third-party EV1, EV2 or EV3 applications. S - Custom EV1, EV2 or EV3 programming (custom part number required)1 **Prox Programming (select one option)** P - Programmed with HID Prox or Indala format N - Unprogrammed HID Prox for iCLASS SE encoder (CP1000) Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish -Specify Custom Artwork Number³ Back Packaging (select one option) **G** - Plain White with Gloss Finish² 1 - Plain White with Gloss Finish with Magnetic Stripe² C - Custom Artwork with Gloss Finish -Specify Custom Artwork Number^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number^{2,3} 13.56 MHz DESFire Card Numbering4 (select one option) ■ N - No Printed Card Numbering **B** - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) **Slot Punch** N - No Slot Punch. IMPORTANT: 810 credentials do not allow a slot punch due to antenna design. Use a badge holder to attach this card to a lanyard or badge clip. 125 kHz Card Numbering4 N - No Printed Card Numbering ■ A - Sequential Matching Encoded/Printed (Laser Engraved) ■ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)

Option - Custom Artwork³



12345 = Card ID Number YYYYYYYYY = Sales Order Number

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



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

DESFire EV3 Card Programming Information

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

125 kHz Card Programming Information

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

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

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

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

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



MIFARE Credentials

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

Encompasses the industry's broadest range of open standard contactless smart card products. Provides the memory structure and capacity to store multiple applications on a single credential. All MIFARE Classic cards can be ordered with or without SIO encoding. Use of a 1430, 1440, 1436, or 1446 for SIO encoding using the CP1000 will consume a chargeable credit.

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

MIFARE Classic cards with SIO encoding OR (Recommended)	MIFARE Classic Ca	rds <u>without</u> SIO encoding rd PVC	
3400 (1K) Standard PVC	1440 (4K) Standa	rd PVC	
3406 (4K) Standard PVC	1436 (1K) Compo	site 40% Polyester / PVC*	
3450 (1K) Composite 40% Polyester / PVC*	1446 (4K) Compo	osite Polyester 40% / PVC*	
3456 (4K) Composite Polyester 40% / PVC*	Programming (sele	ect one ontion)	
Programming* (select one option) □ P - Programmed with Security Identity Object (SIO) for MIFARE Classic □ V - Unprogrammed Secure Identity object (SIO), for MIFARE Classic, for use with iCLASS SE Encoder.	Programming (select one option) M - Programmed HID MIFARE6 access control application N - Unprogrammed MIFARE Classic for use with iCLASS SE Encoder (custom or HID) S - Custom programmed MIFARE Classic, requires custom part number		
* A marker is placed in sector 6 and will not be available for other data			
Front Packaging (select one option) G - Plain White with Gloss Finish		3.370" (8.57 cm)	
□ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Numbe	r ¹		
Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Numbe ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹.²	2.125" (5.4 cm)	Front Packag	ing
Card Numbering ³ (select one option)	0.033"		
M - Sequential Matching Encoded/Printed (Inkjetted) ⁷	(0.084 cm) A		
 N - No Printed Card Numbering U - UID (CSN) HEX card numbering only (Inkjetted)^{4,7} V - UID (CSN) Decimal card numbering only (Inkjetted)^{4,7} 			
☐ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁷		Back Packag	ing (°)
 □ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁷ □ A - Sequential Matching Encoded/Printed (Laser Engraved) 		Note: 340 credential in	
B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engra	ved)		
C - Random Encoded/Non-Matching Sequential Printed (Laser Engrave	d)	© HID MIFARE SE M1H	12345 YYYYYYYYY <i>XT</i>
Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)			
Slot Punch⁵ (select one option) ☐ N - No slot punch, Printed Vertical Slot Indicators ☐ V - Vertical Slot Punch		12345 = Card ID Number YYYYYYYYY = Sales Ord	ler Number



Option - Custom Artwo	rk¹				
	(Specify Artwork Number - Re	fer to the Custom	Artwork forms	for new artwork)	
Enter your final card op	tions from check boxes ab	ove. Example: 3	400PGGNN		
Final Part Number				-	(Options #)
13.56 MHz Card Pro	gramming Information				
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
HID Elite ICE #				Printed Start Number	Printed Stop Number

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

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

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

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

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

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

⁶ Includes a permanent Unique MIFARE 32 Bit Serial number.

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

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



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

Encompasses the industry's broadest range of open standard contactless smart card products. Provides the memory structure and capacity to store multiple applications on a single credential with the addition of Proximity technology for easier migration. All MIFARE Classic + Prox cards can be ordered with or without SIO encoding. Use of a 1431, 1441, 1437, or 1447 for SIO encoding using the CP1000 will consume a chargeable credit.

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

Ensure each required option has been checked with the appropriate choice	to fulfill a completed order form.
MIFARE Classic + Prox Card with SIO encoding (Recommended) 3500 (1K) Standard PVC 3506 (4K) Standard PVC 3550 (1K) Composite 40% Polyester / PVC* Programming* (select one option) P - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder R - Programmed 13.56 MHz Security Identity Object (SIO) for MIFARE Classic, programmed 125 kHz with HID Prox or Indala format V - Unprogrammed 13.56 MHz SIO for MIFARE (for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder	MIFARE Classic + Prox Card without SIO encoding 1431 (1K) Standard PVC 1441 (4K) Standard PVC 1447 (1K) Composite 40% Polyester / PVC* Programming (select one option) L - Programmed 125 kHz with HID Prox or Indala Format6, unprogrammed 13.56 MHz MIFARE Classic (for use with iCLASS SE Encoder custom or HID) M - Programmed 13.56 MHz HID MIFARE6 access control application, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder B - Programmed 13.MHz with HID MIFARE6 access control application, programmed 125 kHz with HID Prox or Indala format N - Unprogrammed 13.56 MHz MIFARE (for use with SE Encoder custom or HID), unprogrammed 125 kHz HID Prox for use with SE Encoder S - Custom Programmed 13.56 MHz MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder, requires custom part number
Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Numbe Back Packaging (select one option) G - Plain White with Gloss Finish ² 1 - Plain White with Gloss Finish with Magnetic Stripe ² C - Custom Artwork with Gloss Finish - Specify Custom Artwork Numbe 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ^{1,2} 13.56 MHz MIFARE Card Numbering ³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁵ N - No Printed Card Numbering U - UID (CSN) HEX card numbering only (Inkjetted) ^{4,5} V - UID (CSN) Decimal card numbering only (Inkjetted) ⁵ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁵	3.370" (8.57 cm) Front Packaging 0.033" (0.084 cm)
R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁵ A - Sequential Matching Encoded/Printed (Laser Engraved)	Back Packaging Note: 340 credential image may vary.

© MIFARE SE M1H

12345 YYYYYYYYY *XT*

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

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



Slot Punch (select one op	•				
N - No slot punch. This ca	ard can be slotted vertically,	Printed Vertical S	Blot Indicators		
125 kHz Proximity Card N	umbering³ (select one op	tion)			
M - Sequential Matching	Encoded/Printed (Inkjetted)				
■ N - No Printed Card Num	bering				
S - Sequential Encoded/	Sequential Non-Matching Pr	inted (Inkjetted)			
R - Random Encoded/No	on-Matching Sequential Print	ed (Inkjetted)			
A - Sequential Matching	Encoded/Printed (Engraved)				
☐ B - Sequential Encoded/	Sequential Non-Matching Pr	inted (Engraved)			
C - Random Encoded/No	on-Matching Sequential Print	ed (Engraved)			
Option - Custom Artwork ¹					
☐ (Specify Artwork Numbe		ork forms for new	v artwork)		
Enter your final card optio	ns from chack hoves aho	vo Evamnlo 3	506PGGMNS		
	ilis Itolii Cileck boxes abo	ve. Example. 5			(0
Final Part Number			N		(Options #)
13.56 MHz Card Progr	amming Information				
Format Number	Field Name(s)	Value	QTY	Encoded Start Number	Encoded Stop Number
Torride realiser	e.g. Facility Code	value	•••	Enouged Start (Vallise)	Enouged Otop Number
HID Elite ICE #				Printed Start Number	Printed Stop Number
HID Elite key not applicable	to have parts 1/31 1//1	1/27 or 1///7			
The Line key not applicable	e to base parts 1431, 1441,	1437,011447			
125 kHz Card Program	ming Information				
		1	1]	
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
	e.g. r domey code				
				Printed Start Number	Printed Stop Number
			_		
For new artwork files, contact	ct Customer Service for custo	om artwork numb	oer, lead-times,	and cost.	
² Cards ordered with plain wh	ite front and back packaging	, with no HID art	work or with cu	stom artwork, will still have a sm	all HID logo HID and
reference number printed in	the lower left-hand corner a	nd a slot punch t	target printed o	n the back of the card. The majo	rity of part numbers are
	mber, a custom part number	is required to om	it all marking fr	om the card. Contact your local	support representative for
details.					
The Printed card number is I	placed in the bottom right-ha	ind corner on the	back of the ca	rd.	

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

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

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

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



MIFARE Classic Keyfob - 1434 / 1444

		fulfill a completed order form.
 	The second second	

Base Model	☐ 1434 (1K)		☐ 1444	(4K)			
Programming (select one M - Programmed with HII N - Unprogrammed MIFA S - Custom Programmed	D MIFARE ³ access control a RE Classic		ər				
Front Packaging (select of S - Standard HID Artwork C - Custom Artwork - Spe		er ¹					
Back Packaging S - Standard						HI	
Key Numbering¹ (select or M - Sequential Matching N - No Printed Card Num S - Sequential Encoded/S R - Random Encoded/No A - Sequential Matching B - Sequential Encoded/S C - Random Encoded/No Slot Punch² N - None Enter your final Key option	Encoded/Printed (Inkjetted) bering Sequential Non-Matching Print n-Matching Sequential Print Encoded/Printed (Laser Eng Sequential Non-Matching Print n-Matching Sequential Print	inted (Inkjetted) ⁴ ted (Inkjetted) ⁴ traved) inted (Laser Engrav ted (Laser Engrav	raved) ved)				
Final Part Number	STOM SHOOK BOXES USO	- Example: 11		S			N
13.56 MHz Card Progra	amming Information						
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start	Number	Encode	d Stop Number
				Printed Start N	lumber	Printed	Stop Number
¹ The Printed key number is pl	aced on the back of the key.	,	_				
² Key Ring sold separately (Pa							

 $^{^{\}rm 3}$ Includes a permanent Unique MIFARE 32 Bit Serial number.

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



MIFARE Classic Adhesive Tag - 1435

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

Base Model							
■ N - Unprogrammed MIFAI ■ S - Custom programmed I	D MIFARE ⁶ access control ap RE Classic MIFARE Classic, custom par		ed			mifar	
Front Packaging (select on S - Standard HID Artwork C - Custom Artwork - Spec		er ¹				HID	
Back Packaging S - Standard							
N - No Printed Card Numb	Encoded/Printed (Inkjetted) pering sequential Non-Matching Pri	inted (Inkjetted)					
Slot Punch ² N - None							
Enter your final Tag option	s from check boxes abov	e. Example: 14	435NSSNN				
Final Part Number				S			N
13.56 MHz Card Progra	amming Information						
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start	Number	Encode	d Stop Number
				Printed Start N	umber	Printed 9	Stop Number

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

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

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

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

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

⁴ Includes a permanent Unique MIFARE 32 Bit Serial number.

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



CP1000 iCLASS SE Encoder

iCLASS SE Encoder Summary

The iCLASS SE Encoder Platform for encoding contactless credentials is:

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

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

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

iCLASS SE Encoder - How Does it Work?

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

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

iCLASS SE Encoder Ordering Basics

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





Step 1: Hardware

Part Number: CP1000D

Contains:

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

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

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

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



Step 2: Select Additional Credential Credits

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

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

Genuine HID Technology Credential Credits - Part Tables

What Credential Credits do I need?

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

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

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

MIFARE CLASSIC Technology	Key Type	Programming	Credit Part Number	Chargeable?
MIFARE CLASSIC (V Type)	Standard	SI0*	CRDT-B3	NO
MIFARE CLASSIC (V Type)	HID Elite1	SIO*	CRDT-B4	YES
MIFARE CLASSIC (V Type)	Standard	HID MIFARE	CRDT-B0	NO
MIFARE CLASSIC (V Type)	N/A	Custom Data	CRDT-B5	NO
MIFARE CLASSIC/ SIO for MIFARE CLASSIC	Key Rolling	N/A	CRDT-B6	NO

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

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

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

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

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

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



Third Party HID Technology Credential Credits - Part Tables

What Credential Credits do I need?

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

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

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

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

Reader Compatibility Table

Credential Part Number	Reader Compatibility
CRDT-A0	HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS Rev A, B, C & iCLASS SE interpreter type "T" with keyset "0"
CRDT-A1	HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS Rev A, B, C & iCLASS SE interpreter type "T" and matching Elite ICE keyset
CRDT-A3, CRDT-B3, CRDT-C3, CRDT-D3, CRDT-F3, CRDT-G3, CRDT-H3	HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS SE readers only interpreter type "T" or "N" with keyset "0" or "2"
CRDT-A4, CRDT-B4, CRDT-C4, CRDT-D4, CRDT-F4, CRDT-G4, CRDT-H4	i HID Signo Readers (Smart, Standard and Custom credential profiles), CLASS SE readers only interpreter type "T" or "N" with matching Elite ICE keyset
CRDT-A5	HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS Rev A, B, C & iCLASS SE
CRDT-F0 CRDT-B0	HID Signo Readers (Custom credential profile), HID 6055B, FlexSmart™ 6071/6072, Smart ID 8030DSHM/8031DSHM (HID MIFARE Only) and specific models of iCLASS SE.
CRDT-B5, CRD-C5, CRDT-F5, CRDT-G5	HID Signo Readers (Custom credential profile), iCLASS SE Migration readers only with matching custom key and mapper profile
CRDT-K0	HID Signo Readers (Standard and Custom credential profiles), HID Prox compatible readers including multiCLASS

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



Step 3: Select Additional Formats

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

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

Tracked ID Number Ranges

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

Read Only

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

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

Example 1:

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

Part Number
FRMT-J1

Format Number	
H10301	

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

Start Number	Quantity
1,001	500

Example 2:

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

Part Number	
FRMT-J1	

Format Number	
H10304	

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

Start Number	Quantity
N/A	500

How to order FRMT-J2 (Corporate 1000 format)

Example

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

Part Number	
FRMT-J2	

Format Number	
H2004095	

Company ID Code Value	
4095	

Start Number	Quantity
N/A	10,000



Step 4: Select Additional Keysets

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

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

Media Keyset

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

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

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

Reader Configuration Keyset

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

Part numbers for these cards are:

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

SIO Keyset

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

Default Keysets

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

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

Additional HID Elite Keysets

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

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



Step 5: Encoder Order Form

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

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

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

Additional Credits	
Part Number	QTY
CRDT-	

Part Number	Format Number	Field Names	Value	ID Start Number	QTY
FRMT-J1					
Part Number	Format Number	Field Names	Value	ID Start Number	QTY
FRMT-J1					
Part Number	Format Number	Field Names	Value	ID Start Number	QTY
FRMT-J1					

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

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

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

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

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

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

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

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

^{6.7} Authorization is required by the end user or owner of the HID Elite (formerly iCLASS Elite) keys before these can be released. Contact customer services for information on the authorization process.



Embeddable Credentials

Overview

What is an Embeddable Card?

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

Why do I need an Embeddable Card?

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

Can I Configure my Embeddable Credential Product Online?

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

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

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

Credentials Marking

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

Embedding Capability

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

For other Credential information click on the links below:

- · What should I know about security keysets?
- How can I order HID Elite configured credentials?
- How can I migrate from my current credential technology?
- Understanding Credential Formats
- Understanding Credential Programming



Embeddable Seos Credentials

Seos Embeddable Card - 501

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

Base Model	⊠ 5	01 Composite 40 ^o	% Polyes	ter / PVC	60%				
Seos Memory Size and Alloca 5 - 16K Bytes 6 - 8K Bytes Secure Identity Object Progra P - Programmed with Securit V - Unprogrammed, for use w	amming ty Identity O		·	onal Contact Smart Chip odule (Front Only)		Front Pac Contact not incl	t chip		
Front Packaging (select one of G - Plain White with Gloss File C - Custom Artwork with Gloss Specify Custom Artwork Number Back Packaging (select one of G - Plain White with Gloss File Control of G - Plain White with Gloss File Control of G - Plain White with Gloss File Control of G - Plain White with Gloss File Control of G - Plain White with Gloss File Control of G - Plain White With G - Plain White Whit	nish ss Finish – mber ¹		-	.033" 84 cm)		3.37 (8.57		-	SHARED CARD EDGE
C - Custom Artwork with Glo Specify Custom Artwork Nur 1 - Plain White with Gloss Fir 3 - Custom Artwork with Glo Specify Custom Artwork Nur	ss Finish – mber ¹ nish with Ma ss Finish wit			2.125" (5.4 cm)		Back Pad	ckaging		
Card Numbering³ (select one N - No External Card Numbe A - Sequential Matching Inte B - Sequential Internal/Sequ C - Random Internal/Non-Matching	option) ring rnal/Externa ential Non-N	Natching External (Lase		<u>\</u>	© HID Seo	Optional Mag HICO/High E	nergy - 4000 (Y 12345 YY		
Slot Punch N - No Slot Punch					YYYYYY	Card ID Numb Y-YY = Sales (er is a variable	Order Numbe	er	
Option - Custom Artwork ¹	(Specify Art	vork Number - Refer to	the Custon	n Artwork Fo	orms for new	Artwork)			
Enter your final card options Final Part Number	from check	boxes above. Exam	ple: 5015I	PGGNN	N		_	(Options	#)



Seos Card Programming Information

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

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

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

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

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



Seos + Prox Embeddable Card - 511

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

Base Model	<u> </u>	1 511 Co	mposite	e 40% P	olyester	/ PVC					
Seos Memory Size and All ☐ 5 - 16K Bytes	ocation										
☐ 6 - 8K Bytes					Optional C	ontact		Front Packa	ging		
Secure Identity Object Pro P - Programmed with Secure Prox non programmed	-	•)		rt Chip	-	Contact cl not includ			
R - Both interfaces progra Seos with Security Identi Prox programmed with H	ty Object (S	io),									
☐ V - Unprogrammed, for us	se with iCLA	ASS SE Enc	oder					3.370" (8.57 cm	n)	-	SHARED
Front Packaging (select or G - Plain White with Gloss C - Custom Artwork with Specify Custom Artwork	s Finish Gloss Finis	n –			0.033" (0.084 cn						CARD EDGE
Back Packaging (select or G - Plain White with Gloss C - Custom Artwork with Specify Custom Artwork	ne option) s Finish ² Gloss Finis	n –			2.1 (5.4			Back Packa	ging		
1 - Plain White with Gloss 3 - Custom Artwork with 6 Specify Custom Artwork	Finish with Gloss Finish			e -	<u>.</u>	(©		tional Magne CO/High Ener			
13.56 MHz iCLASS Card N N - No External Card Num A - Sequential Matching I B - Sequential Internal/Se C - Random Internal/Non	nbering Internal/Ext equential N	ernal (Lase on-Matchin	r Engraved g External	d) I (Laser En	_	1 Y	/ = Seos Prod 2345 = Card /YYYYYY-Y Sales Order i	d ID Number Y = Sales Or	der Numbe	r	
Slot Punch N - No Slot Punch											
125 kHz Card Numbering³ N - No External Card Num A - Sequential Matching I B - Sequential Internal/Se C - Random Internal/Non	nbering Internal/Extequential N	ernal (Lase on-Matchin	g External	l (Laser En							
Option - Custom Artwork¹	(Specify	Artwork Nu	umber - Re	efer to the (Custom Art	work Forms	for new Art	work)			
Enter your final card optio	ns from ch	eck boxes	s above. I	Example:	5015PGG	NN					
Final Part Number	511						N		-	(Opt	ions #)



Seos Card Programming Information

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

125 kHz Programming Information

Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)			-	Printed Start Number	Printed Stop Number
(c.g. 20 bit)					

Special Instructions:

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

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

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

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



Embeddable iCLASS SE Credentials

iCLASS SE Embeddable Card - 301

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

Base Model	⊠ 3	01 Com	osite 40	% Polyes	ter / PVC*					
iCLASS Memory Size and A 0 - 2k Bits (256 Bytes) with 3 - 32k Bits (4K Bytes) Appl 4 - 32k Bits (4K Bytes) Appl	2 Application	Areas 16k/2+16k	/1	1			Front Pack	_		
Secure Identity Object Programmed with Secure V - Unprogrammed, for use	25" cm)	Optional Contact Smart Card Module (Front Only) Module not included								
Front Packaging (select one G - Plain White with Gloss C - Custom Artwork with G Specify Custom Artwork N	Finish ² loss Finish –			0.033	-		3.370 (8.57 c		•	SHARED CARD EDGE
Back Packaging (select one G - Plain White with Gloss C - Custom Artwork with G Specify Custom Artwork N 1 - Plain White with Gloss F 3 - Custom Artwork with G Specify Custom Artwork N	Finish ² loss Finish – lumber ¹ Finish with M loss Finish w			(0.084 c	m) — — — — — — — — — — — — — — — — — — —	Note: 3	Back Pacl 05 credential	kaging I image may v	ary 0	
Card Numbering³ (select on N - No External Card Numb A - Sequential Matching In B - Sequential Internal/Sec C - Random Internal/Non-I	pering ternal/Extern quential Non-	Matching E	xternal (Las				<i>DH</i> Programmi	Y 12345 YYY)
Slot Punch ⁴ (select one opt N - No Slot Punch (Printed V - Vertical Slot Punch B - No Slot Punch - Horizor H - Horizontal Slot Punch ⁵	ion) location of ve	ertical slot p	unch will re	emain)	ıl and Horizo	YYYYYYY		Order Numb	er	
Option - Custom Artwork ¹ Enter your final card option						rms for new A	artwork)			
Final Part Number		Р						_	(Oni	tions #)



iCLASS Card Programming Information

Printed Stop Number

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

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

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

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

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

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



iCLASS SE + Prox Embeddable Card - 311

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

Base Model	⊠ ;	311 Com	posite 40	% Polyes	ter / PVC) *				
iCLASS Memory Size and 0 - 2k Bits (256 Bytes) wit 3 - 32k Bits (4K Bytes) Ap	h 2 Application plication areas	n Areas 16k/2+16k	:/1	-			Front Pack Optional C	Contact		
■ 4 - 32k Bits (4K Bytes) Ap Secure Identity Object Pro P - Programmed with Security non programmed R - Both interfaces programicLASS with Security Idea Prox programmed with H	ogramming (security Identity Commed: entity Object (S	elect one (Object (SIO)	option)		25" cm)		3.370	y) ot included		SHAREI
Front Packaging (select o G - Plain White with Glos C - Custom Artwork with Specify Custom Artwork	ne option) s Finish ² Gloss Finish –			0.033 (0.084 d	7		(8.57 c	:m)		CARD
Back Packaging (select one option) G - Plain White with Gloss Finish ² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ¹						Rack Packaging Note: 305 credential image may vary				
1 - Plain White with Gloss Finish with Magnetic Stripe ² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ¹						Magnetic Stripe (1/2" HICO/High Energy - 4000 Qe) Y 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY				
13.56 MHz iCLASS Card N N - No External Card Nur A - Sequential Matching B - Sequential Internal/S C - Random Internal/Nor	mbering Internal/Exterr equential Non-	nal (Laser Er Matching E	ngraved) xternal (Las)	12345 = Ca	Programmi ard ID Numb YYY = Sales (•	er	
Slot Punch ⁴ (select one o	•	ertical slot p	ounch will re	emain)						
125 kHz Card Numbering ³ N - No External Card Num A - Sequential Matching B - Sequential Internal/S C - Random Internal/Nor	nbering Internal/Exterr equential Non-	nal (Laser Er Matching E	xternal (Las	•)					
Option - Custom Artwork ¹	twork Number				ns for new .	Artwork)				
Enter your final card option	ns from chec	k boxes al	oove. Exan	nple: 3114F	PGGNNN			_	(Opt	ions #)

Encoded Stop Number

Printed Stop Number



iCLASS Card Programming Information

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

125 kHz Card Programming Information

Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)				Printed Start Number	Printed Stop Number
(0.90 0.1)					

Special Instructions:

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

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

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

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

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



iCLASS SE + Other HF Embeddable Card - 392

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)

The SIO-Enabled iCLASS with MIFARE or MIFARE DESFire embeddable smart card offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects.

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

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

Base Model □ 392 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging (only available with MIFARE CLASSIC 1K) 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 **Optional Contact** 2.125" **Smart Card Module** 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 (5.4 cm) (Front Only) Card Programming (select one option) Module not included R - iCLASS programmed with Secure Identity Object (SIO), 2nd Technology programmed with Secure Identity Object (SIO). P - iCLASS programmed with Secure Identity Object (SIO), 3 370 2nd Technology unprogrammed for use with iCLASS SE encoder SHARED (8.57 cm) (HID MIFARE or custom encoding). CARD 0.0331 **EDGE** K - iCLASS programmed with Secure Identity Object (SIO), (0.084 cm) 2nd Technology programmed with HID MIFARE Classic or custom MIFARE Classic (option M or N 2nd HF only). A - iCLASS unprogrammed for use with iCLASS SE Encoder, 2nd Technology programmed with Secure Identity Object (SIO). **B** - iCLASS unprogrammed for use with iCLASS SE Encoder, **Back Packaging** 2nd Technology unprogrammed for use With iCLASS SE encoder (HID MIFARE or custom encoding). Optional Magnetic Stripe 2nd Technology unprogrammed for use with iCLASS SE encoder (1/2" HICO/High Energy - 4000 Oe) (SIO, HID MIFARE or custom encoding). 12345 **12345 YYYYYYYYYY** HID iCLASS 2nd High Frequency Technology (select one option) M - MIFARE 1K Bytes (only available with iCLASS 2k bits) 125 KHz# iCLASS# ■ N - MIFARE 4K Bytes K - MIFARE DESFire EV1 8K Bytes 12345 = Card ID Number Front Packaging (select one option) YYYYYYYYY = Sales Order Number G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ **Back Packaging (select one option)** G - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ iCLASS Card Numbering³ (select one option) N - No External Card Numbering



## High Frequency Technology Card Numbering Select one option	Slot Punch									
## High Frequency Technology Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Matching Internal/Sequential Non-Matching External (Laser Engraved) W - UID (CSN) HEX numbering only (Engraved): 7 bytes UID ⁴ X - UID (CSN) Decimal numbering only (Engraved): 7 bytes UID ⁴ Dottion - Custom Artwork' (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 3924PNGGANN Final Part Number 392						ntenna design.				
N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Matching Internal/Sequential Non-Matching External (Laser Engraved) W - UID (CSN) HEX numbering only (Engraved): 7 bytes UID ⁴ X - UID (CSN) Decimal numbering only (Engraved): 7 bytes UID ⁴ Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)	N - No Slot Punch									
CLASS Programming Information Format Number (e.g. H10301) Bit Numbers (e.g. 26 bit) ICE Number Format Number (e.g. H10301) Field Name(s) e.g. Facility Code Printed Start Number Printed Start Number Field Name(s) e.g. Facility Code Printed Start Number Format Number Format Number Format Number Format Number Format Number Field Name(s) e.g. Facility Code Printed Start Number Printed Start Number Printed Start Number	N - No External Card ↑ A - Sequential Matchi B - Sequential Interna W - UID (CSN) HEX nu X - UID (CSN) Decima Option - Custom Artwo	Numbering ng Internal/External (I/Sequential Non-Mat umbering only (Engrav I numbering only (Engrav I (Engrav) I (Engrav)	Laser Engraved) tching External (Las red): 7 bytes UID ⁴ graved): 7 bytes UIE rk Number - Refer t	ser Engraved) 0 ⁴ to the Custom	Artwork Fo	rms for new Artwo	ork)			
Format Number (e.g. H10301) Bit Numbers (e.g. 26 bit) Printed Start Number Encoded Stop Number Printed Start Number Printed Stop Number Printed Start Number Printed Stop Number QTY Encoded Start Number Encoded Stop Number Printed Start Number Printed Stop Number QTY Encoded Start Number Printed Stop Number QTY Encoded Start Number Encoded Stop Number Printed Start Number Encoded Stop Number Printed Start Number Printed Stop Number Printed Start Number Printed Stop Number Printed Start Number Printed Stop Number						N		-	(Options #)	
Format Number (e.g. H10301) Bit Numbers (e.g. 26 bit) Printed Start Number Encoded Stop Number Printed Start Number Printed Stop Number Printed Start Number Printed Stop Number QTY Encoded Start Number Encoded Stop Number Printed Start Number Printed Stop Number QTY Encoded Start Number Printed Stop Number QTY Encoded Start Number Encoded Stop Number Printed Start Number Encoded Stop Number Printed Start Number Printed Stop Number Printed Start Number Printed Stop Number Printed Start Number Printed Stop Number					1	,		1		
e.g. Facility Code Bit Numbers (e.g. 26 bit) Printed Start Number Printed Stop Number Printed Start Number Encoded Stop Number Printed Start Number	iCLASS Programmir	ng Information								
(e.g. 26 bit) ICE Number 2nd 13.56 MHz Programming Information Format Number (e.g. H10301) Bit Numbers (e.g. 26 bit) Printed Start Number Printed Stop Number Printed Start Number Printed Stop Number		, ,		lue	QTY	Encoded Star	Number	Encoded Stop Number		
2nd 13.56 MHz Programming Information Format Number (e.g. H10301) Bit Numbers (e.g. 26 bit) Field Name(s) Value QTY Encoded Start Number Encoded Stop Number Printed Start Number Printed Stop Number						Printed Start I	lumber	Printed S	Stop Number	
Format Number (e.g. H10301) Field Name(s) e.g. Facility Code Bit Numbers (e.g. 26 bit) Field Name(s) Value Printed Start Number Encoded Stop Number Printed Start Number Printed Stop Number	ICE Number									
(e.g. H10301) e.g. Facility Code Printed Start Number (e.g. 26 bit)	2 nd 13.56 MHz Progr	ramming Informa	ation							
(e.g. 26 bit)		, ,		lue	QTY	Encoded Star	Number	Encoded	l Stop Number	
						Printed Start I	lumber	Printed S	Stop Number	
ICE Number	ICE Number									

Special Instructions:

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

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

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

⁴ MIFARE Classic UID length is by default 4 bytes, 7 bytes for MIFARE DESFire EV1.

^{*} The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



iCLASS SE + Other 13.56MHz + Prox Embeddable Card - 397

The SIO-enabled card with MIFARE or MIFARE DESFire embeddable smart card as well as HID Proximity offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects.

This card offers maximized compatibility with added security into installations that DO not contain standard iCLASS or MIFARE DESFire credentials.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	☑ 397 Composite 40% I	Polyester / PVC*
:01 A 00 M 0:	All	
O - 2k Bits (256 Bytes) w (only available with MIFA	• •	Front Packaging
_	pplication areas 16k/2+16k/1 pplication areas 16k/16+16k/1	2.125" Optional Contact Smart Card Module (5.4 cm) (Front Only)
R - iCLASS programmed	ard Programming (select one option) d with Secure Identity Object (SIO), amed with Secure Identity Object (SIO).	Module not included
	with Secure Identity Object (SIO), ammed for use with iCLASS SE encoder encoding).	3.370" SHARE CARD
	ned for use with iCLASS SE Encoder, amed with Secure Identity Object (SIO).	0.033" (0.084 cm) EDGE
	ned for use with iCLASS SE Encoder, ammed for use with iCLASS SE encoder stom encoding).	
	6 MHz) Technology (select one option nly available with iCLASS 2k bits)	Back Packaging
■ N - MIFARE 4K Bytes		
☐ K - MIFARE DESFire EV	1 8K Bytes	Optional Magnetic Stripe (½" HICO/High Energy - 4000 Oe)
125 kHz Technology Card	l Programming (select one option)	iCLASS 12345 12345 YYYYYYYYYY
P - "HID Prox" Programm	ned 125 kHz Technology.	† †
Specify Programming In	formation.	105 (1) 1 1 107 108 1
C - "Indala/Casi Prox" Prospecify Programming In	rogrammed 125 kHz Technology. Iformation.	125 KHz# <i>iCLASS#</i>
■ N - Initialized 125 kHz Te	echnology.	
Programming Information	on Not Required.	12345 = Card ID Number YYYYYYYYY = Sales Order Number
Front Packaging (select of G - Plain White with Glos		11111111-11 - Sales Order Number
C - Custom Artwork with	n Gloss Finish – Specify Custom Artwork No	lumber ¹
Back Packaging (select of G - Plain White with Glos		
C - Custom Artwork with	n Gloss Finish – Specify Custom Artwork No	umber ¹
_	ss Finish with Magnetic Stripe ²	
	n Gloss Finish with Magnetic Stripe - Specif	fy Custom Artwork Number ¹
iCLASS Card Numbering ³	(select one option)	
N - No External Card Nu		
	Internal/External (Laser Engraved)	
_	Sequential Non-Matching External (Laser E	Engraved)

C - Random Internal/Non-Matching Sequential External (Laser Engraved)



Slot	Punch
------	-------

IMPORTANT:	Dual High Fi Use a badge					-		he a	ntenna d	esign.				
🛛 N - No Slot Pu	ınch													
M - No Slot Pu 1	ncy Techno al Card Num I Matching Ir I Internal/Senternal/Non-) HEX number Decimal nur	bering nternal/E: quential I Matching ering only mbering o	xternal (L Non-Mato g Sequent r (Engrave only (Engr	aser Engrehing Extertial Externed): 7 byte	raved) ernal (Lase aal (Laser E es UID ⁴	er Engra Engrave	aved)							
A - SequentiaB - SequentiaC - Random Ir	I Internal/Se	quential l	Non-Mato	hing Exte	ernal (Lase									
Option - Custon Enter your final	n Artwork¹	_(Specif	y Artworl	k Number	- Refer to	the Cu	stom Artwork			w Artwor	k)			
Final Part Nu		is iroin (JIECK DO	NES abov	re. Exam	pie. 33	77-41 NF GGIV		<u> </u>	N		_	(Options #)	
iCLASS Progr	amming I	nforma	tion											
Format Number (e.g. H10301)			Name(s)	de	Valu	e	QTY		Encod	ed Start I	Number	Encode	ncoded Stop Number	
Bit Numbers									Printe	Start N	ımber	Printed	Stop Number	
(e.g. 26 bit)														
ICE Number														
2 nd 13.56 MH	z Program	ming l	nforma	tion										
Format Number (e.g. H10301)			Name(s)	de	Valu	e	QTY		Encod	ed Start I	Number	Encode	d Stop Number	
Bit Numbers									Printe	d Start No	ımber	Printed	Stop Number	
(e.g. 26 bit)														
ICE Number														



125 kHz Programming Information

Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)				Printed Start Number	Printed Stop Number
ICE Number					

¹ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo (1111) and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

³ The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and in the bottom center for 125 kHz Proximity on the back of the card.

⁴ MIFARE Classic UID length is by default 4 bytes, 7 bytes for MIFARE DESFire EV1.

^{*} The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



Embeddable iCLASS Credentials

iCLASS Embeddable Card - 211

iCLASS cards can be ordered either with both SIO and iCLASS programming or iCLASS programming only.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model ■ 211 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 Optional 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Contact Smart Contact chip not Chip Module **Programming (select one option)** included (Front Only) ■ HP - Programmed with Security Identity Object (SIO) and standard iCLASS Access Control Application (Recommended)1 C - Configured, Non-Programmed iCLASS. Programming Information Not Required P - Programmed iCLASS. Specify Programming Information 3.370" (8.57 cm) SHARE Front Packaging (select one option) 0.0331 **CARD** G - Plain White with Gloss Finish **EDGE** 0.084 cm) C - Custom Artwork/Contact Module with Gloss Finish – Specify Custom Artwork/Contact Module Number¹ **Back Packaging (select one option)** G - Plain White with Gloss Finish² **Back Packaging** C - Custom Artwork with Gloss Finish -Specify Custom Artwork Number¹ 2.125" (5.4 cm) 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -**Optional Magnetic Stripe** Specify Custom Artwork Number¹ (1/2" HICO/High Energy - 4000 Oe) Card Numbering³ (select one option) HID iCLASS **12345 YYYYYYYYYYY** N - No External Card Numbering A - Sequential Matching Internal/External (Engraved) 12345 = Card ID Number **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved) YYYYYYYYY = Sales Order Number C - Random Internal/Non-Matching Sequential External (Laser Engraved) Slot Punch⁴ B - No Slot Punch. This card can be slotted horizontally, Printed Horizontal Slot Indicators H - Horizontal Slot Punch N - No Slot Punch (Printed location of vertical slot punch will remain) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 2111CGGNN **Final Part Number** 211 (Options #)



iCLASS Card Program	ming Information				
Format Number	Field Name(s)	Value	QTY	Encoded Start Number	Encoded Stop Number
(e.g. H10301)	e.g. Facility Code				
Bit Numbers				Printed Start Number	Printed Stop Number
(e.g. 26 bit)					
_	_				
PIN: Sequential: Start#_	Ran	dom: Length _			
Special Instructions:					

¹ For new artwork files, contact Customer Service for custom artwork number, lead times and cost.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

³ The external card number is placed in the bottom right-hand corner on the back of the card.

⁴ Cards are provided with an optional vertical slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

^{*} The composite construction is recommended for all cards that will have an over-laminate applied. Consult with the printer manufacturer prior to ordering.

SHARED

CARD EDGE



iCLASS + Prox Embeddable Card - 213

N - No Slot Punch. (Printed location of vertical slot punch will remain)

iCLASS + Prox cards can be ordered either with both SIO and iCLASS programming or iCLASS programming only, a composite fee applies to this card. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model ■ 213 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas **Front Packaging** 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 Optional Contact Smart 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Contact chip Chip Module not included. (Front Only) **Programming (select one option)** HP - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 25 kHz Unprogrammed⁵ ■ HB - Programmed with Security Identity Object (SIO), 3.370" and standard iCLASS access control application, (8.57 cm) 125 kHz programmed with HID Prox or Indala format. 0.033' P - Programmed with standard iCLASS access control application, (0.084 cm) 125 kHz HID Prox unprogrammed for use with iCLASS SE Encoder. B - 125 kHz Programmed with HID Prox or Indala format, iCLASS programmed with standard access control application. C - iCLASS Unprogrammed, for use with iCLASS SE Encoder, HID Prox unprogrammed for use with iCLASS SE Encoder **Back Packaging** A - iCLASS Unprogrammed, for use with iCLASS SE Encoder, 2.125" (5.4 cm) 125 kHz programmed with HID Prox or Indala format. M - iCLASS Programmed, HITAG2 blank. Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) ☐ I - iCLASS configured field programmable, HITAG2 blank. HID iCLASS 12345 **12345 YYYYYYYYYYY** Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork/Contact Module with Gloss Finish -125 KHz# iCLASS # Specify Custom Artwork/Contact Module Number¹ **Back Packaging (select one option)** 12345 = Card ID Number G - Plain White with Gloss Finish² YYYYYYYYY = Sales Order Number **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number¹ iCLASS Card Numbering³ (select one option) ■ N - No External Card Numbering ☐ A - Sequential Matching Internal/External (Laser Engraved) **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Non-Matching Sequential External (Laser Engraved) Slot Punch⁴



125 kHz Card Numbering N - No External Card Nu	•	e option)							
A - Sequential Matching	_	ternal (Laser F	naraved)						
B - Sequential Internal/S				eved)					
☐ C - Random Internal/No	•	_	_						
	_	Sequentiai Ext	ernai (Laser Engrav	eu)					
Option - Custom Artwork	1								
	(Specify	Artwork Num	ber - Refer to the Cu	stom Artwork	For	ms for new A	rtwork)		
Enter your final card option	ons from cl	neck boxes a	bove. Example: 2°	133CGGNNN					
Final Part Number	213							_	(Options #)
iCLASS Programming	Informat	ion							
			1	1					
Format Number (e.g. H10301)	Field N	ame(s) ility Code	Value	QTY		Encoded	Start Number	Encoded	Stop Number
(e.g. H10301)	e.g. rac	anity Code			-				
Bit Numbers						Printed St	art Number	Printed St	op Number
(e.g. 26 bit)									•
PIN: Sequential: Start#			Random: Length _						
				1					
Format Number	Field N	• •	Value	QTY		Encoded 9	Start Number	Encoded	Stop Number
(e.g. H10301)	e.g. Fac	ility Code			-				
Bit Numbers						Printed St	art Number	Printed St	op Number
(e.g. 26 bit)									
Special Instructions:									

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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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 bottom center for 125 kHz Prox on the back of the card.

⁴ Cards are provided with an optional vertical slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards.

⁵ Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2130PGGNNN.

^{*} The composite construction is recommended for all cards that will have an over-laminate applied. Consult with the printer manufacturer prior to ordering.



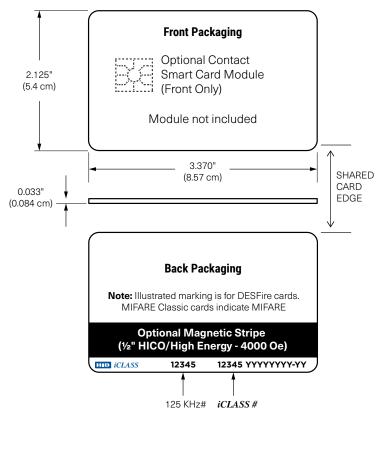
iCLASS + Other HF Embeddable Card - 243

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		lyester / PVC*
O - 2k Bits (256 Bytes) (only available with N	·	<u> </u>
	Application areas 16k/2+16k/1 Application areas 16k/16+16k/1	2.125" (5.4 cm)
Card Programming (seld		(8.4 (111)
and iCLASS standard a 2nd technology unprog B - iCLASS programme	ed with iCLASS standard access	0.033" (0.084 cm)
HID MIFARE (MIFARE P - iCLASS programme	d Technology programmed with E Classic) or custom (MIFARE DESfire). ed with iCLASS standard access d Technology unprogrammed.	
Non-programmed 2 nd A - iCLASS unprogram 2 nd Technology progra	LASS, for use with iCLASS SE Encoder, Technology. nmed, for use with iCLASS SE Encoder, nmmed with HID MIFARE ustom (MIFARE DESfire).	
	hnology (select one option) K Bytes (only available with iCLASS 2k bits) V1 8K Bytes	
Front Packaging (select G - Plain White with GI C - Custom Artwork w		nber ¹
1 - Plain White with Gl	loss Finish ² ith Gloss Finish – Specify Custom Artwork Num oss Finish with Magnetic Stripe ² ith Gloss Finish with Magnetic Stripe -	nber ¹
		raved)

C - Random Internal/Non-Matching Sequential External (Laser Engraved)





Slot Punch												
IMPORTANT:		requency cred										
N - No Slot F	Punch.											
2 nd High Frequ	•	••	mbering³ ((select one	option)							
A - Sequenti		•	al (Laser En	graved)								
☐ B - Sequenti	_			-	r Engrave	ed)						
C - Random	Internal/Non-	Matching Sequ	uential Exte	rnal(Laser Ei	ngraved)							
Option - Custo		(Specify Artv						s for nev	v Artwork	;)		
Final Part Nur	mber 24	3			•				N		_	(Options #)
iCLASS Prog	ramming I	nformation										
102/100/108	,											
Format Numb	er	Field Name	• •	Value	•	QTY		Encoded Start Number			Encoded S	Stop Number
(e.g. H10301)		e.g. Facility	Code									
B' N								Drintad	Start Nu	mhor	Drintod Sta	op Number
Bit Numbers (e.g. 26 bit)								riiiteu	Start ivu	IIIDEI	Fillited St	op ivumber
							L					
ICE Number												
PIN: Sequer	ntial: Start# _		Ra	andom: Lenឲຸ	gth							
2 nd 13.56 MH	Hz Program	nming Infori	mation									
Format Number (e.g. H10301)	er	Field Name	• •	Value	,	QTY		Encode	d Start N	lumber	Encoded S	Stop Number
Bit Numbers								Printed	Start Nu	mber	Printed Sto	op Number

(e.g. 26 bit)

Special Instructions:

¹ For new artwork files, contact Customer Service for custom artwork number, lead times and cost.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo 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.



iCLASS + Other 13.56 MHz + Prox Embeddable Card - 263

The iCLASS + Prox with MIFARE or MIFARE DESFire embeddable smart card offers multiple High & Low Frequency technologies to simplify card issuance for diverse systems or migration projects. Add new applications while leveraging your investment in existing access control systems. Personalize the card with a photo ID, magnetic stripe, barcode, or anti- counterfeiting element.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	/ PVC*
iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE CLASSIC 1K)	Front Packaging
3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 2.125" (5.4 am)	Optional Contact Smart Card Module
Card Programming (select one option) J - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2 nd technology programmed with Security Identity Object (SIO).	Module not included
H - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2 nd technology unprogrammed. 0.033"	3.370" SHARED CARD EDGE
K - iCLASS programmed with Secure Identity Object (SIO) and iCLASS standard access control application, 2 nd Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESfire).	
■ B - iCLASS programmed with iCLASS standard access control application, 2 nd Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESfire).	Back Packaging Note: Illustrated marking is for DESFire cards. MEADS Observed in the MEADS.
P - iCLASS programmed with iCLASS standard access control application, 2 nd Technology unprogrammed.	MIFARE Classic cards indicate MIFARE Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe)
☐ C - iCLASS unprogrammed, for use with iCLASS SE Encoder, 2 nd Technology unprogrammed.	(72 THOO) THIGHT ENERGY 1200 GC)
A - iCLASS unprogrammed, for use with iCLASS SE Encoder, 2nd Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESfire).	125 KHz# <i>iCLASS</i> #
2 nd High Frequency Technology (select one option) M - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits) N - MIFARE 4K Bytes K - MIFARE DESFire EV1 8K Bytes	
3 rd Low Frequency Technology (select one option) P - Programmed with HID Prox or Indala format C - Programmed with Indala CY (Cosi Proy)	
C - Programmed with Indala CX (Casi Prox)N - Unprogrammed HID Prox, for use with iCLASS SE Encoder	
Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹	
Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe²	

3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹



iCLASS Card Numbe	ering³ (s	select o	ne optid	on)								
🔲 N - No External Ca	rd Numl	pering										
A - Sequential Mat	ching In	ternal/E	xternal (Laser Engr	aved)							
☐ B - Sequential Inte	rnal/Sed	quential l	Non-Mat	ching Exte	rnal (Las	ser Eng	raved)					
C - Random Interna	al/Non-l	Matching	Sequer	ntial Extern	al (Lase	r Engra	ved)					
Slot Punch												
IMPORTANT: Dual HID r	-	-				-	unch due to the card to a lanyar		_			
N - No Slot Punch.												
2 nd High Frequency 1			d Numl	pering³ (se	elect or	ne optio	on)					
N - No External Ca	rd Numl	pering										
A - Sequential Mat	ching In	ternal/E	xternal (Laser Engr	aved)							
■ B - Sequential Interpretation	rnal/Sed	quential l	Non-Mat	ching Exte	rnal (Las	ser Eng	raved)					
C - Random Interna	al/Non-l	Matching	Sequer	ntial Extern	al(Laser	Engrav	red)					
3 rd High Frequency T	echnol	ogy Car	d Numb	ering³ (se	elect on	e optio	on)					
■ N - No External Ca	rd Numl	pering										
A - Sequential Mat	Sequential Matching Internal/External (Laser Engraved)											
■ B - Sequential Internal	rnal/Sec	quential l	Non-Mat	ching Exte	rnal (Las	ser Eng	raved)					
C - Random Interna	al/Non-ľ	Matching	Sequer	ntial Extern	al(Laser	Engrav	red)					
Option - Custom Art	work1											
	WOIK	(Specif	v Artwo	rk Number	- Refer t	o the C	ustom Artwork	Forms for	or new Arty	work)		
<u> </u>		_(=	,							,		
F					-		0404 IND004					
Enter your final card	option	s from t	ne abo	ve selection	ons. Ex	ampie:	2634JNPGGA	ANNN				1
Final Part Number	263				Р			ı	I		_	(Options #)
iCLASS 13.56 MF	łz Pro	gramm	ing In	formatio	n							
102/100 10/00 11/11	12110;	gramm	9		··							
Format Number		Field N	lame(s)		Val	ue	QTY	Er	coded Sta	rt Number	Encoded St	op Number
(e.g. H10301)		e.g. Fa	cility Co	ode								
Bit Numbers								Pr	inted Start	Number	Printed Sto	p Number
(e.g. 26 bit)												
ICE Number												
PIN: Sequential: S	tart#				R	andom:	Length					



2nd 13.56 MHz Programming Information

Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)				Printed Start Number	Printed Stop Number
Special Instructions:					

125 kHz Card Programming Information

Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)				Printed Start Number	Printed Stop Number

Special Instructions:

¹ For new artwork files, contact Customer Service for custom artwork number, lead times and cost.

² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo HID and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

³ The external card number is placed in the bottom right-hand corner for iCLASS 13.56 MHz and MIFARE while it is in the bottom center for 125 kHz Proximity on the back of the card.

^{*} The composite construction is recommended for all cards with over-laminate applied. Consult with the printer manufacturer prior to ordering.



Embeddable HID Proximity Credentials

Smart ISOProx® II Card - 1597

Base Model		☑ 1597 Comp	osite 40% Po	lyester / PV	'C*			
Programming (select L - Programmed, Lo Specify Programmin N - Non-Programme Programming Inform	w Frequency (1 ng Information. d, Low Frequen	cy (125 kHz).	(Reserved for Contact Smart Chip Module - (Embed on Front Only)	1	Front Packaç Contact chip included	not	
Front Packaging (sele G - Plain White with C - Custom Artwork Specify Custom Artw	Gloss Finish with Gloss Finis				-	3.370" (8.57 cm)		<u> </u>
Back Packaging (sele G - Plain White PVC o C - Custom Artwork Specify Custom Artw	with Gloss Finis with Gloss Finis	h ²		0.033" 084 cm)		(8.57 CIII)		SHAREI CARD EDGE
Card Numbering³ (seld N - No External Card A - Sequential Match B - Sequential Internal C - Random Internal)	Numbering ning Internal/Ex al/Sequential N	ternal (Engraved) on-Matching Exte		2.125" (5.4 cm)		Back Packag	jing	•
Slot Punch ⁴ N - No Slot Punch (P V - Vertical Slot Punc		of vertical slot pund	ch will remain)	<u> </u>	HID		12345 ҮҮҮҮҮҮҮҮ	
Option - Custom Artw	(Specify	Artwork Number			12345 = Card YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	= Sales Orde	er Number	
Final Part Number	1597						-	(Options #)
125 kHz Card Prog	ramming Inf	ormation						
Format Number (e.g. H10301)			Value	QTY	Encoded Start Number Encoded			op Number
Bit Numbers (e.g. 26 bit)					Printed Start	Number	Printed Sto	p Number
Special Instructions	:							



- ¹ For new artwork files, contact Customer Service for custom artwork number, lead times and cost.
- ² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
- ³ The external card number is placed in the bottom right-hand corner on the back of the card.
- ⁴ Cards are provided with an optional vertical slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.
- * The composite construction is recommended for all cards that will have an over-laminate applied.



Smart DuoProx® II Card - 1598

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model		oosite 40% P	olyester / PV	C*	
Programming (select one of L - Programmed, Low Fre Specify Programming Info N - Non-Programmed, Low Programming Information	oquency (125 kHz). ormation. v Frequency (125 kHz).		Reserved for Contact Smart Chip Module _ (Embed on Front Only)	Front Packag Contact chip included.	not
Front Packaging (select on G - Plain White with Gloss C - Custom Artwork with C	Finish			-	
Back Packaging (select on G - Plain White PVC with G C - Custom Artwork with C Specify Custom Artwork N	e option) Bloss Finish ² Bloss Finish –		0.033" (0.084 cm)	3.370" (8.57 cm)	SHARED CARD EDGE
Card Numbering³ (select of N - No External Card Num A - Sequential Matching In	ne option)		2.125" (5.4 cm)	Back Packag	0 0
Slot Punch ⁴ (select one op	Matching Sequential Externation) I location of vertical slot pure		•	Magnetic Stripe (1/2" HICO/Hig	h Energy - 4000 Oe)
□ V - Vertical Slot Punch Option - Custom Artwork¹ □	_(Specify Artwork Numbe		ustom Artwork Fo	12345 = Card ID Number YYYYYYYYYY = Sales Orde orms for new Artwork)	er Number
Enter your final card option Final Part Number	ns from check boxes abo	ve. Example: 1	598LGGAN		(Optional Artwork #)
125 kHz Card Programi	ming Information				
Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)			-	Printed Start Number	Printed Stop Number
Special Instructions:		1			



- ¹ For new artwork files, contact Customer Service for custom artwork number, lead times and cost.
- ² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.
- ³ The external card number is placed in the bottom right-hand corner on the back of the card.
- ⁴ Cards are provided with an optional vertical slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.
- * The composite construction is recommended for all cards that will have an over-laminate applied.



Embeddable MIFARE Classic and MIFARE DESFire Credentials

MIFARE Embeddable Card - 345 / 1436 / 1446

Encompasses the industry's broadest range of open standard contactless smart card products. Provides the memory structure and capacity to store multiple applications on a single credential. All MIFARE Classic cards can be ordered with or without SIO encoding.

Use of a 1430, 1440, 1436, or 1446 for SIO encoding using the CP1000 will consume a chargeable credit.

MIFARE Classic cards with SIO encodin (Recommended)		OR [1436 (1K)	Composite 4	vithout SIO (10% Polyester	r / PVC*		
3450 (1K) Composite 40% Polyester / P		L	1446 (4K)	Composite F	Polyester 40%	o / PVC*		
□ 3456 (4K) Composite Polyester 40% / P Programming* (select one option) □ P - Programmed with Security Identity (for MIFARE Classic) □ V - Unprogrammed Secure Identity objector MIFARE Classic, for use with iCLAS: *A marker is placed in sector 6 and will not be	Object (SIO) ct (SIO), S SE Encoder.]	M - Progr N - Unpro (custom o	ogrammed Mi or HID) m programme	MIFARE6 acc	for use with	n iCLASS SE E	Encoder
Front Packaging (select one option) If Custom Artwork is desired, specify Custo E - Contact Module Embeddable Plain (Back Packaging (select one option)		elow¹	2.125" (5.4 cm)		Optiona Smart C	ackaging I Contact ard Module r Back side)	e	
G - Plain White with Gloss Finish ² 1 - Plain White with Gloss Finish with M C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ^{1,2}	agnetic Stripe ²		(3.4 6111)		Contact chip		ed	<u></u>
3 - Custom Artwork with Gloss Finish w Magnetic Stripe Specify Custom Artwo			0.033"	-		370" 7 cm)	-	SHARED CARD EDGE
Card Numbering³ (select one option) Z - Reversed UID (CSN) Decimal card not	nal (Laser Engraved) ⁴ Matching External (La	Engraved) ⁴ user Engrave			Back Pa	ackaging	0 0 0	<u> </u>
Slot Punch ⁵ (select one option) N - No Slot Punch (Printed location of volume V - Vertical Slot Punch	ertical slot punch will	remain)		Magneti	c Stripe ½" HIC		y - 4000 Oe	
Option - Custom Artwork ¹ (Specify Ar	work Number - Refer	to the Custo	ım Artwork Fo	YYYYYY	Card ID Nun		nber	
Enter your final card options from chec								
Final Part Number	E	ріс. 1700	, , LOIHI			_	(Options	s #)



13.56 MHz Card Programming Information

Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)				Printed Start Number	Printed Stop Number

Special Instructions:

¹ For new artwork files, contact Customer Service for custom artwork number, lead times, and cost.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

³ The external card number is placed in the bottom right-hand corner on the back of the card on Prox Format Programming only. Permanent Unique MIFARE 32 Bit serial # cannot be printed on cards.

⁴ When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).

⁵ Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.

⁶ Includes a permanent Unique MIFARE 32 Bit Serial number.

^{*} The composite construction is recommended for all cards with over-laminate applied.



MIFARE DESFire Embeddable Card - 375 / 1456

Based on open global standards for security, and is interoperable with existing MIFARE DESFire EV1 infrastructures. All MIFARE DESFire

EV1 cards can be order either with or without SIO encoding. Use of a 1450 or 1456 for SIO encoding using the CP1000 will consume a chargeable credit.

Card with SIO encoding				OR	Card withou	t SIO encod	ing			
3750 Composite 40% Polyes	ster / PVC*				1456 Con	nposite 40%	Polyester / P\	VC*		
MIFARE DESFire EV1 Memory C - 8K Bytes MIFARE DESFire					MIFARE DES		•			
Programming □ P - Programmed Security Identity Object (SIO) for MIFARE DESFire EV1 □ V - Unprogrammed Secure Identity object (SIO) for DESFire EV1, for use with iCLASS SE Encoder (SIO)					Encoder (grammed 13 (custom)	8.56 MHz DES			LASS SE
Front Packaging (select one If Custom Artwork is desired, specify Custom Artwork Numbe E - Contact Module Embedd Back Packaging (select one	r below ¹ able Plain G	loss White	Finish		2.125" (5.4 cm)		Smart Ca	ckaging Contact ard Module Back side)		
G - Plain White with Gloss Fi	nish ² nish with Ma	gnetic Strip	pe ²			C	Contact chip	not include	ed	
C - Custom Artwork with Glo Specify Custom Artwork Nu 3 - Custom Artwork with Glo Specify Custom Artwork Nu	mber ^{1,2} ss Finish wit	h Magnetio	: Stripe -	(0.033" (0.084 cm)	-	3.3 ⁻ (8.57		-	SHARED CARD EDGE
Card Numbering³ (select one N - No External Card Number A - Sequential Matching Inter B - Sequential Internal/Sequential C - Random Internal/Non-M Z - Reversed UID (CSN) Dec	ering ernal/Externa ential Non-N atching Sequ	Matching Exte	kternal (Lase ernal (Laser)	Engraved	1)4		Back Pa		0 0	<u> </u>
Slot Punch ⁵ (select one option N - No Slot Punch (Printed lot V - Vertical Slot Punch	•	rtical slot p	unch will rer	main)		HID	Stripe ½" HICC	12345 YY	7-4000 Oe	
Option - Custom Artwork¹	(Specify Artv	work Numb	er - Refer to	the Cust	om Artwork Fo	YYYYYY	Card ID Numl YY-YY = Sales Artwork)		ber	
Enter your final card options	from check	boxes ab	ove. Exam	ple: 145	6CNEGNN					
Final Part Number	1456	С		Е				_	(Optio	ons #)



13.56 MHz Card Programming Information

Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)				Printed Start Number	Printed Stop Number

Special Instructions:

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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¹ For new artwork files, contact Customer Service for custom artwork number, lead times, and cost.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

³ The external card number is placed in the bottom right corner on the back of the card on Prox Format Programming only. Permanent Unique MIFARE 56 Bit serial # cannot be printed on cards.

⁴ Please update Format - Reference Page 112 from PACS HTOG PLT-02630, should show two columns of the base item and programming.

⁵ Cards are provided with optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult the printer manufacturer prior to ordering.

⁶ Includes a permanent Unique MIFARE 56 Bit Serial number.



MIFARE + Prox Embeddable Card - 355 / 1437 / 1447

Encompasses the industry's broadest range of open standard contactless smart card products. Provides the memory structure and capacity to store multiple applications on a single credential with the addition of Proximity technology for easier migration. All MIFARE Classic + Prox cards can be ordered with or without SIO encoding. Use of a 1431, 1441, 1437, or 1447 for SIO encoding using the CP1000 will consume a chargeable credit.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

IFARE Classic + Prox card OR ith SIO encoding (Recommended)	MIFARE Classic + Prox card without SIO encoding
3550 (1K) Composite 40% Polyester / PVC*	1437 (1K) Composite 40% Polyester / PVC*
3556 (4K) Composite 40% Polyester / PVC*	1447 (4K) Composite 40% Polyester / PVC*
rogramming* (select one option)	Programming (select one option)
P - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder R - Programmed 13.56 MHz Security Identity Object (SIO) for MIFARE Classic, programmed 125 kHz with HID Prox or Indala format V - Unprogrammed 13.56 MHz SIO for MIFARE (for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder marker is placed in sector 6 and will not be available for other data	L - Programmed 125 kHz with HID Prox or Indala Format6, unprogrammed 13.56 MHz MIFARE Classic (for use with iCLASS SE Encoder custom or HID) M - Programmed 13.56 MHz HID MIFARE6 access control application, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder B - Programmed 13.MHz with HID MIFARE6 access control application programmed 125 kHz with HID Prox or Indala format N - Unprogrammed 13.56 MHz MIFARE (for use with SE Encoder custom or HID), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder S - Custom Programmed 13.56 MHz MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder, requires custom part number
ont Packaging (select one option) Custom Artwork is desired, specify Custom Artwork Number below E - Contact Module Embeddable Plain Gloss White Finish ack Packaging (select one option) G - Plain White with Gloss Finish ² 1 - Plain White with Gloss Finish with Magnetic Stripe ² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ^{1,2} C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ^{1,2}	Front Packaging Optional Contact Smart Card Module (Front or Back side) Contact chip not included SHARED CARD EDGE
8.56 MIFARE Card Numbering³ (select one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved)⁴ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)⁴ C - Random Internal/Non-Matching Sequential External (Laser Engraved)⁴ Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)⁴ ot Punch⁵ (select one option) N - No Slot Punch (Printed location of vertical slot punch will remain)	Back Packaging Magnetic Stripe 1/2" HICO/High Energy - 4000 Oe 12345 12345 YYYYYYYYYY 125 KHz# 13.56 MHz#
Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved) ⁴ ot Punch ⁵ (select one option)	

SE Encoder S - Custom Programmed 13.56 MHz MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder, requires custom part number **Front Packaging Optional Contact** Smart Card Module 2.125" (Front or Back side) (5.4 cm) Contact chip not included 3.370" SHARED (8.57 cm) CARD 0.033" **EDGE** (0.084 cm) **Back Packaging** Magnetic Stripe 1/2" HICO/High Energy - 4000 Oe 12345 **12345 YYYYYYYYYY** 125 KHz# 13.56 MHz# 12345 = Card ID Number YYYYYYYYY = Sales Order Number



125 kHz Prox Card Numb	erina³ (select o	ne option)							
■ N - No External Card Nu	- '	,							
A - Sequential Matching	Internal/Externa	ıl (Laser Engra	aved) ⁴						
☐ B - Sequential Internal/S	Sequential Non-M	latching Exter	nal (Laser Eng	raved) ⁴					
C - Random Internal/No	n-Matching Sequ	iential Externa	al (Laser Engra	ved) ⁴					
				,					
Option - Custom Artwork		Artwork Numh	oer - Refer to th	a Custom Artw	ork Fo	orms for new Artwo	rk)		
L.	(Opecily F	ALLWOIK INGILIE	del - Melel to til	e oustom Artw	OIKIC	of the Waltwo	I K)		
Enter your final card option	ons from check	boxes abov	e. Example: 1	441NEGNNN					
Final Part Number		E						_	(Options #)
13.56 MHz Programm	ing Informati	ion							
	9								
Format Number	Field Name((s)	Value	QTY		Encoded Start Number		Encoded Stop Number	
(e.g. H10301)	e.g. Facility	Code							
Bit Numbers						Printed Start Num	ber	Printed	Stop Number
(e.g. 26 bit)									
125 kHz Programminզ	g Information								
Format Number	Field Name	• •	Value	QTY		Encoded Start Nu	mber	Encode	ed Stop Number
(e.g. H10301)	e.g. Facility	Code			_				
					┙┟				
Bit Numbers					-	Printed Start Num	ber	Printed	Stop Number
(e.g. 26 bit)									
Special Instructions:									

For Contact Smart Chip selection, contact your Regional Sales Representative. Standard configuration does not include a contact smart chip module.

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¹ For new artwork files, contact Customer Service for custom artwork number, lead times, and cost.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo under reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

³ The external card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Prox Programming only. Permanent unique MIFARE 32 Bit serial # cannot be printed on cards.

⁴ When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).

⁵ Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.

⁶ Includes a permanent Unique MIFARE 32 Bit Serial number.

^{*} The composite construction is recommended for all cards with over-laminate applied.

13.56 MHz#

12345 = Card ID Number

YYYYYYYYY = Sales Order Number

SHARED CARD EDGE



N - No External Card Numbering

☐ A - Sequential Matching Internal/External (Engraved)⁴

■ B - Sequential Internal/Sequential Non-Matching External (Engraved)⁴

☐ C - Random Internal/Non-Matching Sequential External (Engraved)⁴

MIFARE DESFire + Prox Embeddable Card - 385 / 1457

Based on open global standards for security, and is interoperable with existing MIFARE DESFire infrastructures with the addition of Proximity technology for easier migration. All MIFARE DESFire EV1 cards can be order either with or without SIO encoding. Use of a1451 or 1457 for SIO encoding using the CP1000 will consume a chargeable credit.

Card with SIO encoding + Prox (Recommended) ☐ 3850 Composite 40% Polyester / PVC*	Card without SIO encoding + Prox 1457 Composite 40% Polyester / PVC*
MIFARE DESFire EV1 Memory Size	*HITAG based cards are not available with composite
	MIFARE DESFire EV1 Memory Size
Programming (select one option)	C - 8K Bytes DESFire EV1
P - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE DESFire EV1, unprogrammed 125 kHz HID Prox (for use with iCLASS SE Encoder)	Programming (select one option) ☐ L - Programmed 125 kHz HID Prox or Indala, unprogrammed 13.56 MHz DESFire EV1 for SE Encoder (custom).
R - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE DESFire EV1, programmed 125 kHz HID Prox or Indala	N - Unprogrammed 13.56 MHz DESFire EV1 for iCLASS SE Encoder (custom), unprogrammed 125 kHz HID Prox for iCLASS SE Encoder.
	S - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HID Prox for iCLASS SE Encoder, custom part number required
unprogrammed 125 kHz HIDProx for use with iCLASS SE Encoder.	R - Custom programmed 13.56 MHz, programmed 125 kHz HID Prox or Indala, custom part number required
	F - Unprogrammed 13.56 MHz DESFire EV1 for use with iCLASS SE Encoder (custom), unprogrammed HITAG 1
	G - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HITAG 1, custom part number required
Front Packaging If Custom Artwork is desired, specify Custom Artwork Number below¹ E - Contact Module Embeddable Plain Gloss White Finish	Front Packaging
Back Packaging (select one option) G - Plain White with Gloss Finish ²	2.125" (Front or Back side)
1 - Plain White with Gloss Finish with Magnetic Stripe ² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -	Contact chip not included
Specify Custom Artwork Number ^{1,2}	1
☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ^{1,2}	3.370" (8.57 cm) SHAREI
13.56 MIFARE DESFire Card Numbering³ (select one option) ☐ N - No External Card Numbering	(0.084 cm) EDGE
☐ A - Sequential Matching Internal/External (Engraved) ⁴	
☐ B - Sequential Internal/Sequential Non-Matching External (Engraved) ⁴	Back Packaging
☐ C - Random Internal/Non-Matching Sequential External (Engraved) ⁴	Dack I ackaging
Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved) ⁴	•
Slot Punch⁵ (select one option) ☐ N - No Slot Punch (Printed location of vertical slot punch will remain) ☐ V - Vertical Slot Punch	Magnetic Stripe ½" HICO/High Energy - 4000 Oe 12345 12345 YYYYYYYYYY
125 kHz Prox Card Numbering ³ (select one option)	†
The same of the sa	125 KHz# 13.56 MHz#



Option - Custom Artwor	·k¹				
	(Specify Artwork Number	er - Refer to the Co	ustom Artwork	Forms for new Artwork)	
Enter your final card op	tions from check boxes abo	ve. Example: 1	457CNEGNNN	V	
Final Part Number	1457 C	E			- (Options #)
3.56 MHz Program	ming Information				
Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)			_	Printed Start Number	Printed Stop Number
25 kHz Programmir	ng Information				
Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)			-	Printed Start Number	Printed Stop Number
Special Instructions					1

¹ For new artwork files, contact Customer Service for custom artwork number, lead times, and cost.

² Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small HID logo and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

³ The external card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Prox Programming only. Permanent unique MIFARE 56 Bit serial # cannot be printed on cards.

⁴ When printed, by default the number is encoded MSB (most significant byte) -> LSB (least significant byte).

⁵ Cards are provided with an optional slot punch at no additional charge. Some video imaging printers cannot accommodate pre-slot punched cards. Consult with the printer manufacturer prior to ordering.

⁶ Includes a permanent Unique MIFARE 56 Bit Serial number.

^{*} The composite construction is recommended for all cards with over-laminate applied.



Revision history

Date	Description	Revision
November 2022	Updates Mobile Access Essentials subscription information.	D.3
October 2022	Updates to Mobile Access.	D.2
September 2022	Updates to HID Signo Readers credential profile table and configuration option table. Added the Fingerprint Enrollment USB Reader. Minor updates. Applied new branding. Changed iCLASS Seos to Seos. Added 'X' to selection boxes where there are no selectable options.	D.1
September 2021	Removed HID Signo Fingerprint Enrollment USB Reader.	D.0
August 2021	Updated Technical Support contact information.	C.9
August 2021	Added Signo Piv Readers, Signo Biometric Readers, and MIFARE DESFire EV3 Credentials. Minor updates.	C.8
February 2021	Added Seos Essential Credentials.	C.7
October 2020	Updated Signo Reader Credential Profiles options.	C.6
September 2020	Updated Signo Reader section images and credential options. Updated Mobile Access onboarding URL and Mobile Identities Service Ordering Information section. Added Embeddable Credentials.	C.5
May 2020	Updated HID Signo Readers section. Updated EMEA contact address.	C.4
March 2020	Minor update.	C.3
March 2020	Added Décor BLE model.	C.2
March 2020	Minor updates.	C.1
February 2020	Added HID Signo.	C.0
November 2019	Added Seos Clamshell - 565. Minor updates.	B.9
October 2019	Added Seos Key Fob - 526.	B.8
July 2019	Minor updates.	B.7
June 2019	Minor updates.	B.6
April 2019	Added iCLASS SE Express and Biometric (RB25F) Readers. Added iCLASS Seos 8K with MIFARE Classic or DESFire EV1 Implementation – 5806/5906.	B.5
January 2019	New "Understanding Credentials" section, revised iCLASS SE Encoder section, various minor updates to credential product pages including programming forms.	B.4
October 2018	Updated Mobile Access section.	B.3
September 2018	Updated to include iCLASS SE and multiCLASS SE Bluetooth and OSDP Upgrade Kits.	B.2
August 2018	Removed EOL 282 card. Various minor updates.	B.1
December 2017	Updated Credentials section with information on the HID Global Product Configurator. Various minor updates.	B.0
September 2017	Update to iCLASS SE Biometric and Display.	A.9
August 2017	Update to iCLASS SE Biometric ReaderSupport/Keyset and Configuration Settings.	A.8
July 2017	New iCLASS SE Biometric and Display Readers. Removed EOL iCLASS LCD products.	A.7
June 2017	Updated Mobile Access section.	A.6
June 2017	Removed EOL bioCLASS products.	A.5
June 2017	Updated Mobile Access section.	A.4
February 2017	Removed EOL products, image updates.	A.3
December 2016	Seos 8k options note, added new 522 iCLASS Seos + iCLASS Card. Amended 520 iCLASS + Seos + iCLASS + Prox.	A.2
September 2016	iCLASS SE U90, wiring connection updates.	A.1
March 2016	Initial release.	A.0



hidglobal.com

Americas and Corporate: +1 866 607 7339 Europe, Middle East, Africa: +44 (0) 1440 711 822 Asia Pacific: +852 3160 9833

Latin America: +55 11 5514-7100

For more global phone numbers click here

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