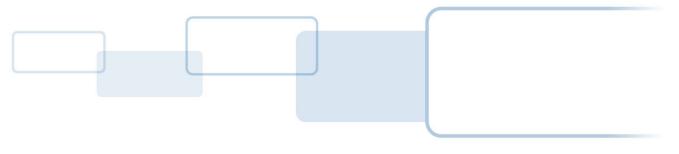


READERS AND CREDENTIALS

How to Order Guide

PLT-02630, Rev. D.0 September 2021





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Revision History

Date	Description	Revision
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

Contacts

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

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

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HID Signo Reader Credential Profiles

HID Signo Readers are available with three credential profile options.

Communication	NFC/ BLE		High Frequency Low Fr						Frequ	ency						
Credentials Supported	Seos (Mobile IDs via NFC/BLE)	Seos	iclass se	iclass sr	iclass	MIFARE DESFire EV1/ EV2 (SIO)/EV3	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)	125kHz HID Proximity	125kHz Indala Proximity	125kHz EM4102 Proximity
00 - Standard Profile	•	•	•	•	•	•	•	•	•	-	-	-	-	•	•	•
☐ 01 - Seos Profile	•	•	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 - Smart Profile	•	•	•	•	•	•	•	-	-	-	-	-	-	-	-	-
☐ 03 - Custom Profile	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

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/

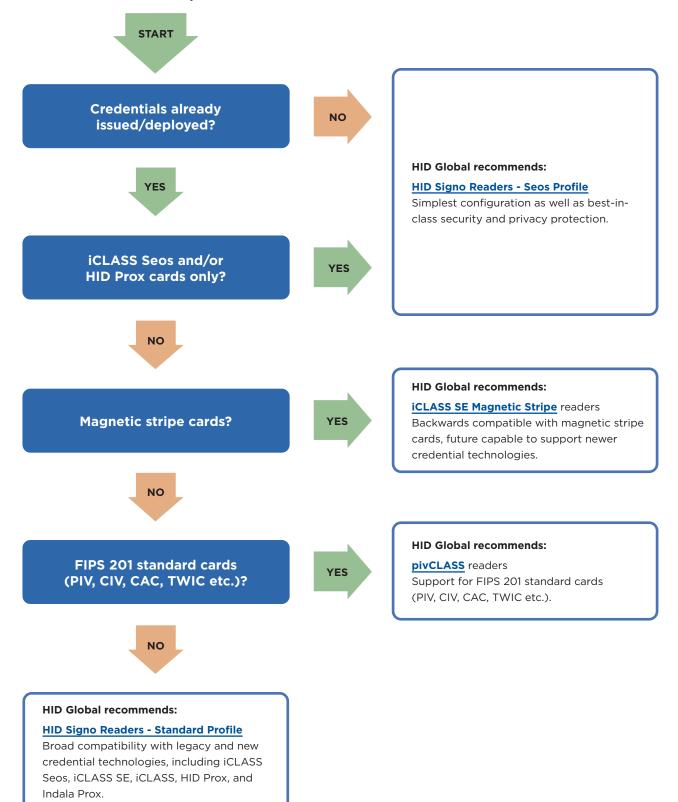
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⁻ Not supported



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.



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



40 - Designed for applications requiring switch mounting.



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

Wiring Connection (Select one option)

N - Pigtail

☐ T - Terminal Strip

Body Color

X K - Black

Trim/Mounting Plate Color

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	NFC/ BLE		High Frequency						Low Frequency							
Credentials 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	•	•	•	•	•	•	•	•	•	-	-	-	-	•	•	•
☐ 01 - Seos Profile	•	•	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 - Smart Profile	•	•	•	•	•	•	•	-	-	-	-	-	-	-	-	-
☐ 03 - Custom Profile	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Supported - Not supported



3. Select configuration option

		Flexible Default Reader Configuration*							
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					
Seos	000000	001UXB	-	-					
Smart	000000	001UXD	-	-					
Custom	000000	-	-	-					

^{*}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 door controller communication

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

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

Assemble your selections from Step 1 to 3.

	Reader Model	Wiring Connection	Body Color	Trim Color		Credential Profile		Configuration Option
Example	20	Т	K	s	-	00	-	000000
Final Part Number			К	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 / multiCLASS SE Part Number	Compatible HID Signo Reader Part Number (pigtail)
900NTNNEK00000 (R10)	
900PTNNEK00000 (RP10)	Signo 20
910NTNNEK00000 (R15)	20NKS-00-000000
910PTNNEK00000 (RP15)	
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 / multiCLASS SE Part Number	Compatible HID Signo Reader Part Number (terminal strip)
900NTNTEK00000 (R10)	
900PTNTEK00000 (RP10)	Signo 20
910NTNTEK00000 (R15)	20TKS-00-000000
910PTNTEK00000 (RP15)	
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
- iCLASS Seos
- iCLASS SE
- iCLASS
- HID Prox
- Indala Proximity
- MIFARE DESFire EV1
- MIFARE Classic



0.5 Inches = 1.27 cm 1 Inch = 2.54 cm



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)









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

N H-BAA

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

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

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

Supported



1. Select configuration options

Credential Profile	Prox Disabled	Prox Enabled
CUSTOM	00059X	0004XR

- 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.

2. 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	К	S	-	03	-	0004XR
Final Part Number		н		K	S	•	03	•	

3. 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	RK40	Signo PIV 20K / Signo PIV 40K			
20KHNKS-03-00059X	921NH(R/P)TEKxyyyy	20KHTKS-03-00059X			
40KHNKS-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	RPK40	Signo PIV 20K / Signo PIV 40K			
20KHNKS-03-0004XR	921PH(R/P)TEKxyyyy	20KHTKS-03-0004XR			
40KHNKS-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 $^{\text{\tiny{TM}}}$ 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)



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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

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

X N - Pigtail

Body Color

K - Black

Trim/Mounting Plate Color

X s - Silver

2. 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)			
■ 10 - Biometric Reader Credential Profile	•	•	•	•	•	•	•			

3. Select Configuration Option

■ 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.

4. Final Orderable SKU

Assembling the selections from Step 1 to 3.

Final Part Number: 25BNKS-10-00000

	Reader Model	Wiring Connection	Body Color	Trim Color		Credential Profile		Configuration Option
Final Part Number	25B	N	K	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



iCLASS SE Readers

Note: See Selecting the Right Reader on page 9 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: iCLASS Seos, HID Prox, and HID Mobile Access Mobile IDs via NFC and/or Bluetooth Smart.





1. Select one option from each of the following sections to construct part number Reader Model (Select one model)

	900 - Model R10 - Designed for door applications requiring a small footprint card reader.
-	910 - Model R15 - Designed for door applications requiring a mullion style mounting.
	920 - Model R40 - Designed for door applications requiring standard wall switch mounting.
0.0.0	921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input.
125	5 kHz Credential Support (Select one option)
	N - No 125 kHz support
	P - Support for HID Prox
13.	56 MHz and Bluetooth credential support (Select one option)
	S - Supports iCLASS Seos cards, and Mobile IDs via NFC.
	B - Supports iCLASS Seos cards, and Mobile IDs via NFC and Bluetooth Smart.
Со	ntroller Communication
	N - Wiegand
	P - OSDP
Wi	ring Connection (Select one option)
	N - Pigtail
Ш	T - Terminal strip
	rdware Revision
	E - Revision E
	lor
	K - Black
	yset (Select one option)
Ш	2 - Standard and Mobile-Ready - supports iCLASS Seos credentials with standard keys. Prepared to support HID Mobile Access, but lacks the personalized configuration to read an organization's specific Mobile IDs. This configuration can be ordered at any time but will require field activation after the organization has completed registration for HID Mobile Access.
	E - HID Elite and Mobile-Enabled - supports iCLASS Seos credentials and Mobile IDs. Fully activated and personalized to support an organization's specific Mobile IDs. These readers can only be ordered after the organization has completed registration for either HID Elite or HID Mobile Access. If HID Elite reference (ICE) is given at time of order only iCLASS Seos credentials with HID Elite keys

Configuration Settings

図 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.

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



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
- iCLASS Seos
- iCLASS Seos + Prox

iCLASS SE Reader - Seos Profile Configuration Cards

	EASS SE Reduct Sees Frome Comiguration 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-CRDO	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 iCLASS 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 iCLASS 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										

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

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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.



1. Select one option from each of the following sections Reader Model (Select one model)

	900 - Model R10 - Designed for door applications requiring a small footprint card reader.
	910 - Model R15 - Designed for door applications requiring a mullion style mounting.
	920 - Model R40 - Designed for door applications requiring standard wall switch mounting.
-0-0-0-0	921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input.
, p	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
	P - Support for HID Prox, AWID and EM4102 (32 bits)
13.	.56 MHz and Bluetooth Credential Support
X	M - Support for HID Mobile Access Mobiles IDs via NFC and Bluetooth Smart - reader equipped with Bluetooth Smart module. Also supports iCLASS Seos, iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO), MIFARE DESFire EV1 (SIO) and ISO 14443 UID.
Co	ontroller Communication (Select one option)
	N - Wiegand
	C - Clock & Data
	P-OSDP
W	iring Connection (Select one option)
	N - Pigtail (not available on 95B)
	T - Terminal strip
	ardware Revision
X	E - Revision E
_	plor
=	K - Black
	G - Grey (available on 95B only)
Ш	W - White (available on 95B only)
_	eyset (Select one option) M - Mobile-Ready: Prepared to support HID Mobile Access, but lacks the personalized configuration to read an organization's specific Mobile IDs. This configuration can be ordered at any time but will require field activation after the organization has completed registration for HID Mobile Access.
	E - Mobile-Enabled: Fully activated and personalized to support an organization's specific Mobile IDs. These readers can only be ordered after the organization has completed registration for either HID Elite or HID Mobile Access. If HID Elite reference (ICE) is given at time of order, only iCLASS Seos credentials with HID Elite keys are supported. If Mobile Reference (MOB) is given at time or order, only iCLASS Seos credentials with standard keys are supported.

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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. Wiewand	IN - INO	Yes	☐ A002
N - Wiegand	D //	No	☐ A003
	P - Yes	Yes	□ A004
	NI NI-	No	□ A005
D. OSDD	N - No	Yes	□ A006
P - OSDP	D. Vos	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
- iCLASS Seos
- iCLASS
- iCLASS SE
- MIFARE DESFire EV1
- MIFARE Classic

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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.	applicat	• Model RK40 - Designed for door ions requiring standard wall switch g. Supports keypad input.
910 - Model R15 - Designed for door applications requiring a mullion style mounting.		- Model R90 - Designed for vehicle pplications requiring extended read range
 920 - Model R40 - Designed for door applications requiring standard wall switch mounting. 	applicat	- Décor model - Designed for door ions requiring low profile EU square wall nounting.

125 kHz Credential Support (Select one option)

_ or cacritiar	Support	(50.000	0110	Option	
None					
				· · · · · · · · · · · · · · · · ·	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)

	iCLASS Seos	iclass se	iclass sr	iclass	MIFARE Classic (SIO)	MIFARE DESFire EV1 (SIO)	Mobile IDs via NFC	Mobile IDs via Bluetooth Smart	ISO14443 UID	MIFARE Classic (Custom data)	MIFARE DESFire EV1 (Custom data)	FeliCa IDm	CEPAS CAN or UID
■ N - High security	•	•	•	-	•	•	•	-	-	-	-	-	-
☐ T - Maximum compatibility	•	•	•	•	•	•	•	-	•	-	-	-	-
☐ R - FeliCa and CEPAS¹	•	•	•	•	•	•	•	-	•	-	-	•	•
☐ W - Custom programming²	0	0	0	0	0	0	0	-	0	•	•	-	-

Supported O Optionally supported - Not supported

Controller Communication (Select one option)

N	- W	iega	an	d
_			_	

☐ P - OSDP

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¹Not available on model 940.

²Consult your regional technical support representative for specific configurations.



Wiring Connection (Select one option)
N - Pigtail (Not available on models 940 or 95A)
T - Terminal strip
Hardware Revision
X E - Revision E
Color (Select one option) ☐ K - Black
W - White. Only available on 95A model.
G - Gray. Only available on 95A model.
Keyset (Select one option)
🔲 0 - Standard v1 - Supports credentials with default HID keys, including iCLASS and iCLASS SR.
2 - Standard v2 - Supports credentials with default HID keys, not including iCLASS and iCLASS SR.
E - HID Elite - Supports credentials with HID Elite keys, including iCLASS and iCLASS SR, and/or Mobile IDs. Key reference (ICE or MOB) required at time of order.
Configuration Setting
0000 - Standard configuration:
 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.hidglob.com/node/19914 . Your HID Global Support or Sales representative can help you determine your final configuration.

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

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

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: www.hidglobal.com/customer-service

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

- Mobile IDs
- iCLASS Seos
- <u>iCLASS</u>
- <u>iCLASS SE</u>
- MIFARE DESFire EV1
- MIFARE Classic

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iCLASS SE Express Reader

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

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





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

Reader	Model	(Select	one	model)
--------	-------	---------	-----	--------

Section 1	

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

X	N ·	- No	125	kHz	sup	port
---	-----	------	-----	-----	-----	------

13.56 MHz and Bluetooth credential support (Select one option)

S - Supports iCLA	SS Seos cards	, and Mobile IDs	via NFC.		
B - Supports iCLA	SS Seos cards	s, and Mobile IDs	via NFC and	Bluetooth	Smart.

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

1	l D - Supports iCLASS Sec	s cards Mobile IDs	via NEC and Bluetoo	th Smart and ISO14443 UID.

Controller Communication

N - Wiegand

Wiring Connection

X N - Pigtail

Hardware Revision

F - Revision F

Color

X K - Black

Keyset (Select one option)

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

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

Configuration Settings

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

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

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

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
- iCLASS Seos
- iCLASS Seos + Prox

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iCLASS SE Biometric Reader - Wiegand or OSDP

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

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

1. Select one option from each section below

Reader Model (Select one model)

1	CEED CLASS SE*
7 2 0	
000	
****	·

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

№ - No 125 kHz support

13.56 MHz credential support (Select one option)

	S - Supports	biometric	template (on iCLASS	Seos	credential	Is
--	---------------------	-----------	------------	-----------	------	------------	----

 $\ \ \Box$ **F** - Supports biometric template on iCLASS Seos, iCLASS SR and iCLASS credentials

Controller Communication (Select one option)

N - Wiegar	no	c
------------	----	---

C - Clock & Data

Controller Connection

X T - Terminal strip

Hardware Revision

X E - Revision E

Color

🛛 K - Black

iCLASS Support/Keyset (Select one option)

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

Configuration Setting

Standard configuration iCLASS SE Biometric ship with the following features

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

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

Controller Communication	13.56 MHz Credential Support	Extension
N. Wiegend	S - iCLASS Seos	□ оотб
N - Wiegand	F - iCLASS Seos, iCLASS SR and iCLASS	□ 00TE
D. OCDD	S - iCLASS Seos	□ оотн
P - OSDP	F - iCLASS Seos, iCLASS SR and iCLASS	□ 00TF

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.

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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	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: http://www.hidglobal.com/customer-service

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

- Mobile IDs
- iCLASS Seos
- iCLASS
- iCLASS SE
- MIFARE DESFire EV1
- MIFARE Classic



iCLASS SE Readers - Magnetic Stripe

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

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



1. Select one option from each of the following sections

Reader Model	(Select one	model)
--------------	-------------	--------

1000	will	No.	10000	and the same	
	HE				
	Ш				
	Ш				
833					
	Mi				197

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



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

125 kHz Credential Support (Select one option)

■ N - No 125 kHz support

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

13.56 MHz Credential Support (Select one option)

	iCLASS 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	•	•

Supported O Optionally supported - Not 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

▼ E - Revision E

Color

🛛 K - Black

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^{*}Consult your regional technical support representative for specific configurations.



(ICE or MOB) required at time of order.

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

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 Model		125 kHz	13.56 MHz	Communication	Wiring	HW Rev	Color	Keyset	Config Setting
Example	922	N	N	N	Т	E	К	2	xxxx
Final Part Number						Е	K		

3. Place an order

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

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

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

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

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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.



Select one option from each section below

Reader Model (Select one model)





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





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



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	sup	port
--	-----	----	-----	-----	-----	------

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

13.56 MHz credential support (Select one option)

- H Contactless. Supports PKI-Based FIPS 201 Credentials including PIV, PIV-I, CIV, CAC, TWIC and FRAC. This option is only available for models R10, R40 and RK40.
- P Contactless + Contact. Supports PKI-Based FIPS 201 Credentials including PIV, PIV-I, CIV, CAC, TWIC and FRAC. FIPS 201 type cards can be read using either the contact or contactless card interface (RKCL40). This option is only available for models RKCL40, and RKCLB40.

Controller Communication (Select one option)

- R RS485 FDX. Full duplex is required when connecting a pivCLASS reader to a PAM.
- □ **P** RS485 HDX OSDP. Half duplex connection requires a connection with an OSDP-compliant strong authentication controller infrastructure. Only available with RKCL40.

Controller Connection (Select one option)

- ☐ N Pigtail
- T Terminal strip

Hardware Revision

X E - Revision E

Color

X K - Black

Keyset (Select one option)

- 🔲 **0** Standard v1 Reads credentials with default HID keys including standard iCLASS and/or iCLASS SR.
- E HID Elite Reads credentials with HID Elite keys, including iCLASS and iCLASS SR, and/or Mobile IDs. Key reference (ICE or MOB) required at time of order.



Configuration Setting (Select one option)

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

Reader Model	125 kHz Support	Extension
R10/R40	N - No	☐ 032Y
R10/R40	P - Yes	□ 0007
RK40	N - No	☐ 033A
RK40	P - Yes	□ 033B
RKCL40	N - No	□ 032V
RNCL40	P - Yes	□ 0008
RKCLB40	N - No	□ 0504

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

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

Reader Model		125 kHz	13.56 MHz	Communication	Wiring	HW Rev	Color	Keyset	Config Setting
Example	900	N	Н	R	Т	E	K	0	032Y
Final Part Number	·			R		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 includes (depending on options chosen above):

- iCLASS Seos
- iCLASS SE
- iCLASS
- HID Prox
- MIFARE DESFire EV1
- MIFARE Classic

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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 Plavailable for models R10, R40 and RK40. 	IV, PIV-I, CIV, CAC, TWIC and FRAC. This option is only
P - Contactless + Contact. Supports PKI-Based FIPS 201 Credentials in typecards can be read using either the contact or contactless card int	
Controller Communication (Select one option)	
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	ation with pivCLASS Authentication Module (PAM).
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	figuration. Not available for model with RKCL40.
Controller Connection (Select one option) N - Pigtail	
☐ T - Terminal strip	
Hardware Revision E - Revision E	
Color K - Black	
iCLASS Support/Keyset (Select one option)	
$oxed{\square}$ 0 - Standard v1 - Reads credentials with default HID keys including sta	andard iCLASS and/or iCLASS SR.
■ E - HID Elite - Reads credentials with HID Elite keys, including iCLASS (ICE or MOB) required at time of order.	and iCLASS SR, and/or Mobile IDs. Key reference

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	E	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.

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

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

- iCLASS Seos
- iCLASS
- iCLASS SE
- HID Prox
- MIFARE DESFire EV1
- MIFARE Classic



iCLASS SE U90 - UHF Long Range Reader

Application: Designed for vehicle access control installations which require long range authentication and high throughput. **Technologies Supported:** Ultra High Frequency (UHF) EPC GEN 2.

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

Reader Model (Select one model)



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

Antenna Code (Select one option, see table below)

___ 8

□ 9

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 K - Black

Keyset (Select one option)

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

O - Standard Keyset

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

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

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

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

3. Place an order

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

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

Need credentials? This reader supports the following credentials:

- UHF cards
- UHF + iCLASS cards

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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					
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 O = Standard-1 key or standard-2 key ²	-0000 = Factory configuration (Rx models) -0001 = Factory configuration (RPx models) -0002 = Factory configuration (RKx models) -0003 = Factory configuration (RPKx models)			
HID Elite Upgrade Cards ³	SEC9X-CRD-	E = HID Elite Key ⁴	-P000 = HID Elite reader admin keys			
Setup iCLASS SE or multiCLASS® SE readers for HID Elite credential keys or Reader admin keys		E = HID Elite Key ²	-P001 = HID Elite credential keys			
HID Elite Downgrade Cards ³		E = HID Elite Key²	-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			

¹Configuration 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.

²Keys

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

³HID Elite Upgrade and Downgrade Cards

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

4Keys

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

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Accessories

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

Part Number	Description
Mounting Plates, Spacers, Scre	ws 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

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EDGE Reader - Edge EVO Solo

Edge EVO [®] Solo Model and Description	Image	Base Part	Rev	Color	Hardware Configuration	Additional Configuration
ESH400-K Standard Controller Single door, IP-based controller for single-door solo-based system. Single physical package. Door inputs/outputs are 4 external inputs, 2 outputs; on-board optical tamper (standard mount). One Wiegand / Clock-and-Data reader interface. For use indoor or outside in weatherproof enclosure. US single-gang, US double-gang or EU/APAC 60 mm mount.	THE STATE OF THE S	83000	С	K = Black	E = Externally-mounted reader.	
ESHR40-K Standard Controller / Reader and Module Single door, IP-based controller with integrated R40 iCLASS reader for single-door solo-based system. Two physical packages; IP-based reader for mount at access point and "Door Module" with interface to 4 external inputs, 2 outputs; optical tamper. Second reader possible an additional IO interface module (EWM-M or EDWM-M). For indoor use. Door Module mounted in secure location. US Single-gang or EU/APAC 60 mm mount.	n _m	83120	С	K = Black	I = Integrated controller / reader, with segregated module (separate physically installed device) containing discrete IO.	000 = LED normally Red, Flash Green and beep on card read.
ESHR40-L Single-Output Controller / Reader and Module Single door, IP-based controller with integrated R40 iCLASS reader for single-door solo-based system. Two physical packages; IP-based reader for mount at access point and "Lock Module" with interface single (1) lock output. For indoor use. Door Module mounted behind reader in US Singlegang box, in hollow door frame or other secure location. Reader is US Single-gang or EU/APAC 60 mm mount.	IIID IIID	83120	С	K=Black	L = Integrated controller / reader, with segregated module (separate physically installed device) containing single discrete lock output.	000 = LED normally Red, Flash Green and beep on card read.
ESHRP40-K Standard Controller / Reader and Module Single door, IP-based controller with integrated RP40 multiCLASS reader for single-door solo-based system. Two physical packages; IP-based reader for mount at access point and "Door /Wiegand Module" with interface to 4 external inputs, 2 outputs and one Wiegand / Clock-and-Data reader interface; Second reader possible using Wiegand reader. Optical tamper (standard mount). For indoor use. Door / Wiegand Module mounted in secure location. US Single-gang or EU/APAC 60mm mount.	III III	83125	С	K = Black	I = Integrated controller / reader, with segregated module (separate physically installed device) containing discrete IO and Wiegand reader interface for second reader.	000 = LED normally Red, Flash Green and beep on card read.
EWM-M Wiegand Module The "Wiegand Module" enables controller interface to one (1) Wiegand / Clock-and-Data reader interface. For use indoor or outside in weatherproof enclosure.	9	83360	А	K = Black	M = Mountable on US singlegang, EU / APAC 60mm electrical box.	

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



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:

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

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

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

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

oz Beep on, EED normany on, reduct hashes 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

To order, specify the following:

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

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²Consult Factory

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



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:

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

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

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

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

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

²Consult Factory

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

To order, specify the following:

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

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 $^{{}^{3}}$ 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	Configuration Setting Options ¹	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)	00 04 01 05 02 06 03 07	XXXX Y
ProxPro Proximity Reader ^{5,6} with Wiegand output with Clock & Data Output	5355 5358		G = Charcoal Gray	N = No Keypad, Terminal Strip	00 09 10 11 14 19 20 21 23	XXXX Y
ProxPro Proximity Reader with Serial output ⁷	5352	A	B = Beige	K = Keypad ³ , Terminal Strip S = Keypad ⁴ , Terminal Strip	00 09 10 11 14 19 20 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
05 = Beep off, LED normally red, host must flash green
05 = Beep off, LED normally red, host must flash green

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

00 = Buffer one key, no parity, 4 bit message 14 = Buffer one to five keys (Standard 26 bit output)

09 = Buffer one key, add compliment, 8 bit message (Dorado) 19 = Buffer four keys and add parity

10 = Buffer six keys and add parity
20 = Single Key buffering
11 = Buffer one key and add parity
21 = Supervision Mode
23 = Buffer one to 11 keys

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

To order, specify the following:

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

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

²Consult Factory

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

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

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

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

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



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:

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

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

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

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

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

²Consult Factory

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

To order, specify the following:

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



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:

¹Configuration 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.

To order, specify the following:

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

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²Consult 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	UO	XXXX Y

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

Notes:

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

²Consult Factory

To order, specify the following:

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

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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



Part Number	Description
5395-104-04	Classic cover, ThinLine II Reader (Rev. C) - Charcoal Gray
New Look ²	
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
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)

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

 $^{^2}$ 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).

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



Indala Proximity Readers

Overview

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

All reader orders must have the following information:

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

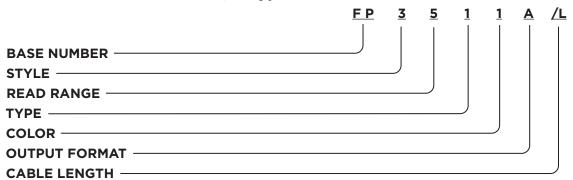
Advantage Series Reader - ASR 620

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

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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
- $\mathbf{0} = N/A$

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
- ${f B}$ = Buffered or 8-Bit Burst (must be specified) available only in Keypad STYLE and TYPE (Membrane or Heavy Duty)
- $M = 3 \times 4 \text{ Matrix}$

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

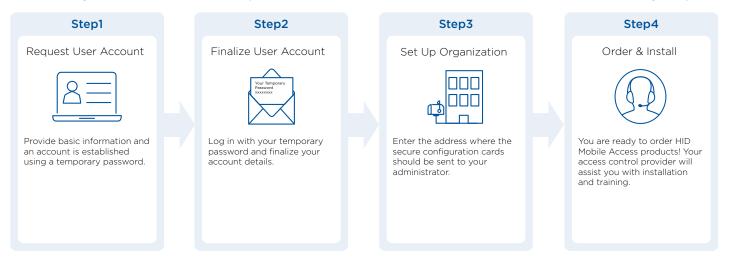
What Is HID Mobile Access?

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 Google Play and Apple App Store and proven compatibility with the most popular mobile phones, tablets, and wearables.
- Mobile IDs: Powered by Seos credential technology, Mobile IDs are the virtual equivalent of the traditional contactless smart card.
- iCLASS SE* and multiCLASS* SE Readers: These flexible readers can be configured to securely authenticate with an organization's Mobile ID's via Bluetooth Smart and/or NFC communication standards.

Creating HID Mobile Access User Account

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



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

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

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



Ordering Information - Readers for HID Mobile Access

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

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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.

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

^{*}Some formats will require additional information with the order.

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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	iCLASS Seos (+ Prox)
	iCLASS SE (+ Prox)
	iCLASS SIO encoded (+ Prox)
	iCLASS (+ Prox)
	MIFARE Classic (+ Prox)
	MIFARE DESFire EV1 (+ Prox)
Version 2	iCLASS 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).

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How can I migrate from my current credential technology?

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

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

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

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

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

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

Credential Type		Works with HID Signo and iCLASS SE Readers*	Works with iCLASS Readers	Advantage
ICLASS' Seos' Card	iCLASS 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.

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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.

Kev 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 in-house card production offers a variety of benefits including increased security and management of issuance over multiple purchasers or locations.

Key Benefits

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

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.



Format Compatibility

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

Indala Formats - Label Code

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

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
	H10301,H10302,	iCLASS, iCLASS SE, iCLASS Seos	HID Signo/iCLASS SE
HID	H10304, 35-bit	MIFARE Classic with SIO encoding	HID Signo/iCLASS SE
	Corporate 1000 & OEM formats	MIFARE DESFire with SIO encoding	HID Signo/iCLASS SE
	OLITIOIIIIdts	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
ЕМ	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
	H2xxxxx 48-bit	6005/6008/5365/5368/5355/5	eProx Lock, Serial ProxPro®,
Long Formats (>37-bits)	Corporate 1000, all other	358/5395/5375 (manufactured	EntryProx™, ProxPass™ II
	formats >37 bits	after 2001)	EntryProx , ProxPass II

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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 iCLASS 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

	Quant	tity
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 iCLASS Seos, no external marking)

Quantity: 1,000

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

Elite Key: ICE999
Site Code: 156
Installer Code: 21

Number range: 1,001 to 2,000

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.



iCLASS Seos Credentials

Note: Understanding HID Credentials on page 50 for guidance.

iCLASS Seos Card - 500

Increased security and interoperability cards for installation supporting HID Signo and iCLASS SE reader platform. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	☐ 500 Composite 40% Polyester /	PVC*			
iCLASS Seos Memory	Size and Allocation (Select one option)		 	3.370" (8.57 cm)	— →
☐ 5 - 16K Bytes		<u></u>		(======================================	
☐ 6 - 8K Bytes ⁶					
Secure Identity Object	ct™ Programming (Select one option)				
☐ P - Programmed with	n Security Identity Object (SIO)	2.125" (5.4 cm)	F	Front Packaging	
V - Unprogrammed,	for use with iCLASS SE Encoder	(====,			
Front Packaging (Sel					
C - Custom Artwork	with Gloss Finish - Specify Custom Artwork Number ¹	₹			
Back Packaging (Sele		.033" (0.084 cm)	<u> </u>	hared Card Edge	— ₹
	with Gloss Finish - Specify Custom Artwork Number ¹				
☐ 1 - Plain White with 0	Gloss Finish with Magnetic Stripe ²				
3 - Custom Artwork Specify Custom Artw	with Gloss Finish with Magnetic Stripe - vork Number ¹		E	Back Packaging	
Card Numbering ³ (Se	lect one option)				
☐ M - Sequential Match	ning Encoded/Printed (Inkjetted) ⁵				
■ N - No Printed Card	Numbering			5712245 100000000 100	
S - Sequential Encod	led/Sequential Non-Matching Printed (Inkjetted) ⁵		© IIII ICLASS Seos JH	5*12345 YYYYYYYY-YY	XT)
R - Random Encoded	d/Non-Matching Sequential Printed (Inkjetted)⁵		Y = Seos Pro	gramming	
🗌 A - Sequential Match	ing Encoded/Printed (Laser Engraved)		12345 = Card	I ID Number	
☐ B - Sequential Encoc	led/Sequential Non-Matching Printed (Laser Engraved	1)	YYYYYYYY-Y	Y = Sales Order Numbe	r
C - Random Encoded	d/Non-Matching Sequential Printed (Laser Engraved)				_
Slot Punch⁴ (Select o	ne option)				
X N - No Slot Punch					
Packing (Optional)					
☐ T - Packs of 10 (shrin	ık wrap) in standard box				
Option - Custom Arty					
(S _I	pecify Artwork Number - Refer to the Custom Artwork	k Forms for ne	ew artwork)		



Enter your final card options from check boxes above. Example: 5005PGGNNT

Final Part Number	500			N	-	(Options #)
-------------------	-----	--	--	---	---	-------------

iCLASS 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

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

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²Cards 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.

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

⁴Cards are not available with any slot punch option.

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

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



iCLASS Seos + iCLASS Card - 522

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

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

Base Model	☐ 522 Composite 40% Polyester / P	VC*	
	emory Size and Allocation		. 3.370"
X 6 - 8K Bytes ⁶		-	(8.57 cm)
_	e and Allocation (Select one option)	1	
_	(256 Bytes) with 2 Application Areas		
	(4K Bytes) Application areas 16k/2+16k/1	2.125"	
☐ 4 - CLASS 32k Bits	(4K Bytes) Application areas 16k/16+16k/1	(5.4 cm)	Front Packaging
_	mming (Select one option)		
_	th Security Identity Object (SIO)		
	, for use with iCLASS SE Encoder	1	
_	g (Select one option)	Ţ	
	th Security Identity Object (SIO) CLASS Access Control Application (recommended)	.033" (0.084 cm)	Shared Card Edge
P - Programmed wi	th Security Identity Object (SIO)	I	
☐ H - Programmed wi	th standard iCLASS Access Control Application		
C - Unprogrammed	, for use with iCLASS SE Encoder		Back Packaging
Front Packaging (Se	elect one option)		
G - Plain White with	n Gloss Finish		
C - Custom Artwork	k with Gloss Finish - Specify Custom Artwork Number ¹		
Back Packaging (Sel			© IIII ICLASS Sees JH 5*12345 YYYYYYYYYYY XT
☐ G - Plain White with	n Gloss Finish ²		
	with Gloss Finish - Specify Custom Artwork Number ¹		Y = Seos Programming
1 - Plain White with	Gloss Finish with Magnetic Stripe ²		12345 = Card ID Number
3 - Custom Artwork Specify Custom Art	k with Gloss Finish with Magnetic Stripe - Kwork Number ¹		YYYYYYYYYY = Sales Order Number
iCLASS Seos Card N	umbering³ (Select one option)		
■ N - No Printed Card	Numbering		
A - Sequential Matc	ching Encoded/Printed (Laser Engraved)⁵		
☐ B - Sequential Enco	oded/Sequential Non-Matching Printed (Laser Engraved	d) ⁵	
C - Random Encode	ed/Non-Matching Sequential Printed (Laser Engraved)	5	
iCLASS Card Number	ering ³ (Select one option)		
N - No Printed Card	_		
A - Sequential Matc	:hing Encoded/Printed (Laser Engraved)⁵		
☐ B - Sequential Enco	oded/Sequential Non-Matching Printed (Laser Engraved	d)⁵	
	ed/Non-Matching Sequential Printed (Laser Engraved)	5	
Slot Punch ⁴			
N - No Slot Punch			
Option - Custom Art			
	Specify Artwork Number - Refer to the Custom Artwo	rk Forms for r	new artwork)
Enter your final card	l options from check boxes above. Example: 522	263PSGGAA	N .



Readers and Credentials How to Order Guide

Final Part Number 522 6 N - (Optic
--

iCLASS 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

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

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

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

⁴Cards are not available with any slot punch option.

⁵Inkjetted option is not available for these cards.

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

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



iCLASS Seos + Prox Card - 510

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

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

Base Model 510 Composite 40% Pol	yester / PVC*	
iCLASS Seos Memory Size and Allocation (Select one op 5 - 16K Bytes	tion)	(8.57 cm) →
☐ 6 - 8K Bytes ⁶	1	
Programming (Select one option) □ P - Programmed with Security Identity Object (SIO), HID Prox non programmed □ R - Both interfaces programmed: iCLASS Seos with Security Identity Object (SIO), 125 kHz programmed with HID		Front Packaging
	E Encoder	
Front Packaging (Select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork	$0.033^{"} \xrightarrow{\downarrow \bullet} 0.084 \text{ cm}$	Shared Card Edge
Back Packaging (Select one option) ☐ G - Plain White with Gloss Finish² ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹	ork Number ¹	Back Packaging
iCLASS Seos Card Numbering ³ (Select one option)		
 M - Sequential Matching Encoded/Printed (Inkjetted)⁵ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkel R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) 		Y = Seos Programming 12345 = Card ID Number YYYYYYYY-YY = Sales Order Number
 A - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) 	-	
Slot Punch ⁴	,	
▼ N - No Slot Punch		
125 kHz Card Numbering³ (Select one option M - Sequential Matching Encoded/Printed (Inkjetted)⁵ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵	☐ B - Sequential End (Laser Engraved)	cching Encoded/Printed (Laser Engraved) coded/Sequential Non-Matching Printed ded/Non-Matching Sequential Printed

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Option - Custom Arty	vork ¹								
_		Artwork Number - Refer	to the Custo	m Artwo	ork Forn	ns for nev	w artwo	rk)	
Enter your final card	option	s from check boxes a	above. Exam	ple: 51	05PG(SNNN			
Final Part Number	510				N		-		(Options #
iCLASS Seos Card F	Progra	mming Informatior	1						
									1
Format Number		eld Name(s) e.g. Facilit de	y Value	Q	TY	Encod Numb	ded Star er	't	Encoded Stop Number
HID Elite ICE number						Printe	d Start	Number	Printed Stop Number
125 kHz Card Progra	ammin	g Information							
Format Number		eld Name(s) e.g. Facilit de	y Value	Ø.	TY	Encod Numb	ded Stai er	rt	Encoded Stop Number
						Printe	d Start	Number	Printed Stop Number
				1		1			1

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

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

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

⁴Cards are not available with any slot punch option.

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

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

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



iCLASS Seos + iCLASS + Prox Card - 520

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

																_
Base Model		<u></u> 5	20 (Comp	osite	40%	Polye	ester	/ PV	C*						
iCLASS Seos Memory		d Allo	ocatio	on										3.370"		
★ 6 - iCLASS Seos 8K By	•										I			(8.57 cm)	<u></u>	
iCLASS Memory Size a				1:4:						1)	
☐ 0 - iCLASS 2k Bits (25																
3 - CLASS 32k Bits (4k									,	0.405"						
4 - CLASS 32k Bits (4l	•				-	+16K/1				2.125" 5.4 cm)			Fro	nt Packaging		
iCLASS Seos Programm P - Programmed with				-					,	,						
V - Unprogrammed, for	-		-													
iCLASS Programming					oder											
S - Programmed with	•		-	•	IO)					🖠					J	
and with standard iCL	-		-			recom	mende	d)	.03	, _{2"}			(hai	red Card Edge ====		TQP
□ P - Programmed with								,	(0.08	•			Jilai	ed card Edge		₹
☐ H - Programmed with						Annlic	ation									
C - Unprogrammed, for						прис	acion									
125 kHz Programming					dei								Bar	ck Packaging		
P - Programmed with			-										Dat	ok i dokaging		
■ N - HID Prox unprogra	mmed fo	or use	with i	iCLASS	SE En	coder										
Front Packaging (Sele																
G - Plain White with G			•													
C - Custom Artwork w	ith Gloss	Finis	sh - Sp	ecify C	ustom	Artwo	rk Nun	nber¹			© HID IC	LASS Seos JH		5*12345 YYYYYYYYYYYYYY	хт	
Back Packaging (Selec	t one o	ptior	1)													
G - Plain White with G	loss Finis	sh²									Y =	Seos	Progr	amming		
C - Custom Artwork w	ith Gloss	Finis	sh - Sp	ecify C	ustom	Artwo	rk Nun	nber¹) Number		
1 - Plain White with Gl	oss Finisl	h with	n Magr	netic St	ripe²						YY	YYYY	YY-YY	= Sales Order N	lumber	
3 - Custom Artwork w	ith Gloss	Finis	h with	Magne	etic Str	ipe - S	pecify	Custo	m Artı	work N	lumber	.1				
iCLASS Seos Card Nun	nbering	³ (Se	lect c	one op	tion)											
■ N - No Printed Card N	umbering	9														
A - Sequential Matchir	ng Encod	led/P	rinted	(Laser	Engra	ved)⁴										
■ B - Sequential Encode	d/Seque	ntial	Non-M	1atchin	g Printe	ed (Las	ser Eng	graved)4							
C - Random Encoded/		_			Printed	(Lase	r Engra	aved)4								
iCLASS Card Numberin			ne op	ption)												
N - No Printed Card N	•	_														
A - Sequential Matchir																
■ B - Sequential Encode					_	-	-)4							
☐ C - Random Encoded/					Printed	(Lase	r Engra	aved)4								
Prox Card Numbering ³			optio	on)												
N - No Printed Card N	-	_			_	15.4										
A - Sequential Matchir							_		. 4							
B - Sequential Encode)4							
C - Random Encoded/	/Non-Mat	tching	g Sequ	iential l	Printed	(Lase	r Engra	aved) ⁴								
Slot Punch ⁵																
N - No Slot Punch	aule1															
Option - Custom Artwo		worl.	Niumb	or. Do	for to	tha Cu	ctom ^	rtwo	/ E0**	oc for -	2014/ 25	two rl	.)			
	ecify Art											LWUIK	.)			
Enter your final card o	-		cneck	N DOXE	s and	ve. EX	ample	;. 3∠L	0375	PGGA	MAN	1 -				_
Final Part Number	520	6										N	-	(0	ptions #)



iCLASS 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

iCLASS 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

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

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²Cards 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.

⁴Inkjetted option is not available for these cards.

⁵Cards are not available with any slot punch option.

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

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

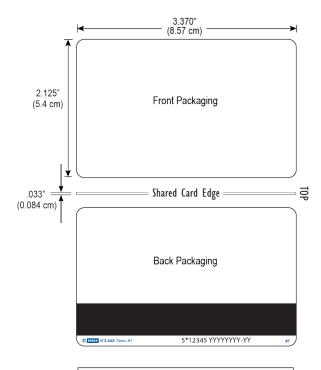


iCLASS Seos 8K with MIFARE Classic or DESFire EV1 Implementation - 5806/5906

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

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

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



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

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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.

■ 6- 8K Bytes
 ■ Control Programming (Soloct one option)

Secure Identity Object Programming (Select one option)

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

Front Packaging

Memory Size

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

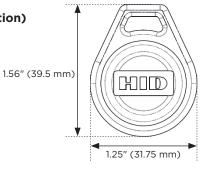
Back Packaging

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



Back Packaging



Y = Seos Programming

12345 = Card ID Number

YYYYYYYYYY = Sales Order Number

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

Final Part Number	5266		N	N	
-------------------	------	--	---	---	--

Seos Programming Information

Format Number	1
HID Elite ICE number	

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



Encoded Start Number	Encoded Stop Number
Printed Start Number	Printed Stop Number

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

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

Base Model ≥ 565 **Memory Size** Back Front ■ 6-8K Bytes **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** seos S - ABS Base with Molded HID Logo ☐ **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 ٧ **Final Part Number** 5656

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

¹For 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.

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²The 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.

Base Model

■ 550 Composite (40% polyester/PVC)

Secure Identity Object™ programming²

P - Programmed with Secure Identity Object (SIO)

Front packaging

▼ G - Plain white with gloss finish

Back packaging³

▼ G - Plain white with gloss finish

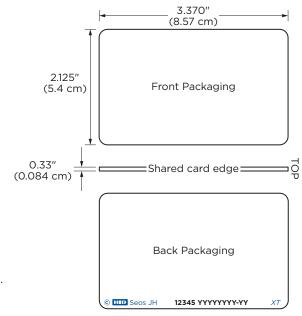
Card numbering⁴ (select one option)

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

Slot punch

N - No Slot Punch

IMPORTANT: 550 credentials do not allow a slot punch due to antenna design. Use a badge holder to attach this card to a lanyard or badge clip.



12345 = Card ID Number YYYYYYYYY = Sales Order Number

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

Filial Fait (Milliber 550 F 6

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

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

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

³A 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

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

Number

Printed Stop Number

Printed Start Number



Seos Essential + Prox Card - 551

Facility Code

HID Elite ICE #

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

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

Base Model 🗵 551	Composite (4	0% poly	ester/PVC	:)					
Secure Identity Object P - Programmed with		_	0)				-	3.370" (8.57 cm)	-
125kHz programming ☐ P - Programmed with ☐ N - HID Prox® unprog	n HID or Indala® fo	rmat	SS SE Encode	ır		2.125"			
Front packaging G - Plain white with 9						(5.4 cm	1)	Front Packagir	ng
Back packaging ³ G - Plain white with 9	gloss finish					0.77"	<u> </u>		
Seos card numbering N - No printed card r	numbering, sales n	umber ma	-		(0	0.33" .084 cm)	s	hared card ed	geOP
■ A - Sequential match ■ B - Sequential encode (laser engraved)									
C - Random encoded (laser engraved)	d/non-matching se	equential p	orinted				1	Back Packagir	ig
Slot punch N - No Slot Punch							© HID Seos JH	12345 YYYYYY	YY-YY XT
IMPORTANT: 551 credent Use a badge holder to a				_	n.				
125kHz card numberi N - No printed card r A - Sequential match	numbering, sales n ning encoded/prin	umber ma ted (laser	engraved)					d ID Number -YY = Sales O	rder Number
(laser engraved)	•								
C - Random encoded (laser engraved)	d/non-matching se	equential p	orinted						
Enter your final card o	options from che	ck boxes	s above. Foi	r example,	551PF	GGANA			
Final Part Number	551	Р		G		G		N	
Seos Programming	Information								
Format Number	Field Name(s) e.g.	Value	QTY		Encode	ed Start Numb	Encoded	Stop



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

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

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

³A 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

⁴The 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. Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model	☐ 300 Standard PVC	☐ 305 Composite 40	% Pol	yester / PVC*
iCLASS Memory Size a	nd Allocation (Select one option)			
☐ 0 - 2k Bits (256 Bytes)	with 2 Application Areas	T		
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 .B
Secure Identity Object	Programming	(5.4 cm	יי (י	Front Packaging
P - Programmed with S	Security Identity Object (SIO)			
☐ V - Unprogrammed, fo	r use with iCLASS SE Encoder	Ţ		
Front Packaging (Selec	ct one option)	<u> </u>		
G - Plain White with Gl	loss Finish		,	3.370" (8.57 cm)
C - Custom Artwork w	ith Gloss Finish - Specify Custom Artwork N	umber ¹ 0.033"	<u> </u>	(6.57 GH)
Back Packaging (Selec	t one option)	(0.084 cm)	1	
G - Plain White with Gl			'	
C - Custom Artwork w	ith Gloss Finish - Specify Custom Artwork N	umber ¹		
☐ 1 - Plain White with Glo	oss Finish with Magnetic Stripe ²			Back Packaging
	ith Gloss Finish with Magnetic Stripe -			Submit defining
Specify Custom Artwo				Note: 340 credential image may vary.
Card Numbering ³ (Sele	-			
_ `	ng Encoded/Printed (Inkjetted) ⁷		(© IIII MIFARE SE M1H 12345 YYYYYYYYYY XT
☐ N - No Printed Card No	•			
_ ·	d/Sequential Non-Matching Printed (Inkjette		Y = iC	LASS Programming
	Non-Matching Sequential Printed (Inkjetted)			= Card ID Number
_ `	g Encoded/Printed (Laser Engraved)⁴	L	YYYY'	YYYY-YY = Sales Order Number
<u> </u>	d/Sequential Non-Matching Printed (Laser E	_		
C - Random Encoded/	Non-Matching Sequential Printed (Laser Eng	graved) ⁴		
Slot Punch ⁵ (Select one	•			
	s card can be slotted vertically, Printed Verti			
	s card can be slotted horizontally, Printed Ho	orizontal Slot Indicators ⁶		
☐ V - Vertical Slot Punch				
Option - Custom Artwo				
∐ (Spe	ecify Artwork Number - Refer to the Custom	n Artwork Forms for new ar	twork))

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Enter your final card options from check boxes above. Example: 3000PGGNN

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

iCLASS Card Programming Information

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

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

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²Cards 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.

⁵The 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.

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

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

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

■ N - No Printed Card Numbering

S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵
 R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵

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

☐ A - Sequential Matching Encoded/Printed (Laser Engraved)

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

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

	normas been enecked with the appropriate enoice to running	a completed order for	
Base Model	☐ 315 Composite 40% Polyester / PVC*	:	
	and Allocation (Select one option) s) with 2 Application Areas		
	s) Application areas 16k/2+16k/1 s) Application areas 16k/16+16k/1	2.125"	0
☐ P - Programmed with	t Programming (Select one option) Security Identity Object (SIO), 125 kHz HID Prox unprogramogrammed: iCLASS with Security Identity Object (SIO), 125 or Indala format		Front Packaging
	Gloss Finish with Gloss Finish - Specify Custom Artwork Number ¹	0.033" (0.084 cm)	3.370° (8.57 cm)
☐ 1 - Plain White with G	Gloss Finish ² with Gloss Finish - Specify Custom Artwork Number ¹ loss Finish with Magnetic Stripe ² with Gloss Finish with Magnetic Stripe -		Back Packaging Note: 340 credential image may vary.
M - Sequential MatchiN - No Printed Card №S - Sequential Encode	ed/Sequential Non-Matching Printed (Inkjetted) ⁵	Y = iCLA	SS Programming Card ID Number
☐ A - Sequential Matchi	//Non-Matching Sequential Printed (Inkjetted) ⁵ ing Encoded/Printed (Laser Engraved) ed/Sequential Non-Matching Printed (Laser Engraved)⁴ //Non-Matching Sequential Printed (Laser Engraved)	YYYYYY	YY-YY = Sales Order Number
Slot Punch ⁵ (Select or N - No Slot Punch. Th V - Vertical Slot Punc	ne option) his card can be slotted vertically, Printed Vertical Slot Indicat h	tors	
_	ing ³ (Select one option) ing Encoded/Printed (Inkjetted) ⁵		

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Option - Custom Artw	ork	(1											
(Sp	oeci	ify Artwo	rk Numb	er - Refe	er to the	Custom	Artwork	k Forr	ns f	or new a	rtwork)		
Enter your final card of	pti	ions fror	n check	k boxes	above.	Examp	le: 3150	OPGO	SNN	IN			
Final Part Number											-		(Options #)
iCLASS Card Progra	mr	ning Inf	ormati	on									
Format Number		Field Na Facility		.g.	Value		QTY		Enc	oded St	art Num	nber	Encoded Stop Number
HID Elite ICE number									Prir	nted Sta	rt Numb	er	Printed Stop Number
125 kHz Card Progra	mr	ning Inf	ormati	ion									
Format Number		Field Na Facility		.g.	Value		QTY		Enc	oded St	art Num	ber	Encoded Stop Number
									Prir	nted Sta	rt Numb	er	Printed Stop Number

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

²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo 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.

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

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

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

55 in [39.4 mm]



iCLASS SE Key - 325

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

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

■ 325 Base Model iCLASS Memory Size and Allocation (Select one option) 24 in O - 2k Bits (256 Bytes) with 2 Application Areas [6 mm] **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 1. 25 in [31.75 mm] **Key Numbering Shown - Front Packaging Option N** ■ 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) Additional Options³ X N - None Enter your final card options from the above selections. Example: 3250PNNMN

Filial Part Nulliber	323			IN	IN	IN
		,	,			

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

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

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

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



iCLASS SE Tag - 330

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

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

■ 330 Base Model ■ 330 Base Model									
iCLASS Memory Size a	nd Alloca	tion (Sel	ect one	option)					
☐ 0 - 2k Bits (256 Bytes)		•		,					
☐ 3 - 32k Bits (4K Bytes)) Applicatio	n areas 16	sk/2+16k/	1					
4 - 32k Bits (4K Bytes)) Applicatio	n areas 16	5k/16+16k,	/1				HID ®	
Secure Identity Object	Programi	ming (Se	lect one	option)				CLASS	1.285"
☐ P - Programmed with	Secure Ider	ntity Obje	ct (SIO).					TAG	(32.639mm
	or use with i	CLASS SI	E Encoder						///
Front Packaging (Sele	ct one opt	ion)							
☐ K - Black with HID Sta	ndard Artw	ork							<u> </u>
C - Custom Artwork -	Specify Cus	stom Artv	ork Numl	ber²			Front	Packagi	ing
Back Packaging									0.070" (1.78 mm)
🛛 S - Adhesive Backing									(1.76 11111)
Tag Numbering1(Selec	t one opti	on)							
■ M - Sequential Matchir	ng Encoded	I/Printed	(Inkjetted)4					
■ N - No Printed Tag Nu	mbering								
S - Sequential Encode	d/Sequenti	al Non-Ma	atching Pr	inted (Ink	kjetted) ⁴				
R - Random Encoded/	Non-Match	ing Seque	ential Prin	ted (Inkje	etted)4				
Slot Punch									
X N - None									
Option - Custom Artwo	ork¹								
(Sp	ecify Artwo	rk Numb	er - Refer	to the Cu	stom Artwork	k Forms fo	r new artw	ork)	
Enter your final Tag option	ns from che	ck boxes	above. Ex	ample: 33	302PSSNN				
Final Part Number	330				s		N	-	(Options #)
iCLASS Tag Program	ming Info	ormatio	า						
Format Number	Field Na Facility	ame(s) e.g Code	g.	Value	QTY	Enco	oded Start	Number	Encoded Stop Number
HID Elito ICE #						Drine	tad Start N	umbor	Drintad Stan Numba
HID Elite ICE #	1				1	Prin	ted Start N	umber	Printed Stop Numbe

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





Contact Smart Chip

Magnetic Swipe card

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

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

 $^{^2\}mbox{For new artwork files, contact Customer Service for custom artwork number, lead-times, minimum order quantities, and cost.$

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



iCLASS SE Clamshell Card - 335

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

■ 335 Base Mode ■ 335 Base Mode	el .											
imageiCLASS Memory	ect F ith See	vith 2 vrogra curity use w one ch Mat ss Fin pecify one (D Log pecify t one Enco nberin Seque on-Ma k²	Application amming / Identity ith iCLAS option) tte Finish ish Custom A option) go Custom A option) ded/Print ng ential Nor atching Se	on Areas (Select o Object (SI S SE Encor Artwork Nu Artwork Nu ted (Inkjett n-Matching equential F	one option O) der umber¹ ted)⁴ g Printed (Ink Printed (Ink)	nkjett kjetted	ed)³ d)³ m Artv	(Cover) Front Packa Y = iCLASS 12345 = Car	ging Prograd ID N -YY = S	amming umber Sales Or	(Base) lack Packaging	0.070° (0.18 cm)
Final Part Number	33	5						V	-			(Options #)
								-1		1		
iCLASS Card Prog	ram	ning	Inform	ation								
Format Number			d Name(s lity Code		Value		QTY	Encoded S	tart N	umber	Encoded St	op Number
HID Elite ICE #								Printed Sta	art Nui	mber	Printed Stop	p Number

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

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

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



iCLASS SE + Other HF Card - 391

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

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

Base Model	☐ 391 Composite 40% Polyester / PVC*		
iCLASS Memory Size a	nd Allocation (Select one option)	<u> </u>	
O - 2k Bits (256 Bytes) (only available with MII	with 2 Application Areas	2.125"	
3 - 32k Bits (4K Bytes)	Application areas 16k/2+16k/1	(5.4 cm)	Front Packaging
4 - 32k Bits (4K Bytes)	Application areas 16k/16+16k/1		
Card Programming (Se	lect one option)	\downarrow	
	ed with Secure Identity Object (SIO), 2 nd Technology ure Identity Object (SIO)	•	3.370"
	ed with Secure Identity Object (SIO), 2 nd Technology e with iCLASS SE encoder (HID MIFARE or custom encoding)	0.033" (0.084 cm)	(8.57 cm)
	ed with Secure Identity Object (SIO), 2 nd Technology MIFARE Classic or custom MIFARE Classic only).	1	
	med for use with iCLASS SE Encoder, 2 nd Technology ure Identity Object (SIO)		
	med for use with iCLASS SE Encoder, 2 nd Technology e With iCLASS SE encoder (HID MIFARE or custom encoding)		OPTIONAL MAGNETIC STRIPE 1/2" (HICO/HIGH ENERGY - 40000E) MCZ-USS 12345 12345 YYYYYYYY-YY
	med for use with iCLASS SE Encoder, 2 nd Technology with iCLASS SE encoder (SIO, HID MIFARE or custom encoding))	
2 nd High Frequency Tec	hnology (Select one option)		= Card ID Number
M - MIFARE Classic 1K	Bytes (only available with iCLASS 2k bits)	YYYY	YYYY-YY = Sales Order Number
■ N - MIFARE Classic 4K	Bytes		
☐ K - MIFARE DESFire E\	V1 8K Bytes		
Front Packaging (Selec	ct one option)		
G - Plain White with Gl			
C - Custom Artwork wi	ith Gloss Finish - Specify Custom Artwork Number ¹		
Back Packaging (Selection G - Plain White with Gl	•		
C - Custom Artwork wi	ith Gloss Finish - Specify Custom Artwork Number ¹		
☐ 1 - Plain White with Glo	oss Finish with Magnetic Stripe ²		
3 - Custom Artwork wi	ith Gloss Finish with Magnetic Stripe - Specify Custom Artwork	Number ¹	
iCLASS SE Card Number	ering³ (Select one option)		
☐ M - Sequential Matchin	ng Encoded/Printed (Inkjetted) ⁶		
☐ N - No Printed Card Nu	umbering		
S - Sequential Encoded	d/Sequential Non-Matching Printed (Inkjetted) ⁵		
R - Random Encoded/	Non-Matching Sequential Printed (Inkjetted) ⁵		
🗌 A - Sequential Matchin	g Encoded/Printed (Laser Engraved)		
☐ B - Sequential Encoded	d/Sequential Non-Matching Printed (Laser Engraved)		
C - Random Encoded/	Non-Matching Sequential Printed (Laser Engraved)		

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Slot Punch

IMPORTANT - Dual Higholder to attach this c		-				a slo	ot pund	ch d	ue to t	he	antenna de	sign. I	HID reco	ommends	using a k	oadge
■ N - No Slot Punch	aru to	a lariyaru	i Oi De	auge clip	•											
2 nd High Frequency	Techi	nology (ard I	Number	ina³ (S	alact	one	ont	ion)							
☐ M - Sequential Mat					•	CICCL	One	Opt	.1011)							
■ N - No Printed Car			,	- C. (, C												
S - Sequential Enc		_	al Non	-Matchin	a Printe	d (Ink	kietted	1)5								
R - Random Encod																
☐ A - Sequential Mat			_				itted)									
■ B - Sequential Enc							sor En	ara	vod)							
C - Random Encod					_											
Option - Custom A			ing se	quentiai	Printed	(Lase	er Engr	ave	u)							
-			rk Niii	mher - R	efer to t	he Cu	ıstom	Δrtv	work F	orm	ns for new a	artwor	k)			
Enter your final card o											15 TOT TIEW C	ai cwoi	κ)			
-	T	T TOTT THE	. abov	- SCICCIN	J		. 55141									
Final Part Number									N			-			(Opt	tions #)
iCLASS SE Card P	rogra	amming	Info	rmatio	n											
Farmert Namelani		Elala Na	4-3		37-1			OT)	,		F	NI		E	1 Ct NI-	
Format Number		Field Na Facility		e.g.	Val	ıe		QTY			Encoded S	tart N	umber	Encoded	d Stop Nu	umber
							7									
HID Elite ICE #							7 -				Printed Sta	rt Nu	nber	Printed :	Stop Nur	nber
					·		_									
2 nd 13.56 MHz tech	nolo	gy Card	d Pro	gramm	ing Inf	orma	ation									
Format Number		Field Na Facility) e.g.	Val	16	•	QTY	•		Encoded S	tart N	umber	Encoded	d Stop Nu	umber
HID Elite ICE #							_				Printed Sta	rt Nu	mber	Printed :	Stop Nur	nber

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

²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo 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.

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

Base Model	☐ 396 Composite 40% Polyester / PVC*		
iCLASS SE Memory Siz	ze and Allocation (Select one option)		
_) with 2 Application Areas (only available with MIFARE Classic	c 1K)	
3 - 32k Bits (4K Bytes)) Application areas 16k/2+16k/1		
☐ 4 - 32k Bits (4K Bytes	Application areas 16k/16+16k/1	†	
R - iCLASS programm	r Card Programming (Select one option) ned with Secure Identity Object (SIO), 2 nd Technology ure Identity Object (SIO)	2.125" (5.4 cm)	Front Packaging
	ed with Secure Identity Object (SIO), 2 nd Technology se with iCLASS SE encoder (HID MIFARE or custom encoding)		
	nmed for use with iCLASS SE Encoder, 2 nd Technology cure Identity Object (SIO)		3.370" (8.57 cm)
	nmed for use with iCLASS SE Encoder, 2 nd Technology se with iCLASS SE encoder custom encoding)	0.033" (0.084 cm)	, (co. s.i.,)
2 nd High Frequency (13	3.56 MHz) Technology (Select one option)		
M - MIFARE Classic 1K	Bytes (only available with iCLASS 2k bits)		
☐ N - MIFARE Classic 4k	〈 Bytes		
K - MIFARE DESFire E	V1 8K Bytes		OPTIONAL MAGNETIC STRIPE
125 kHz Technology Ca	ard Programming (Select one option)		1/2" (HICO/HIGH ENERGY - 4000OE)
☐ P - Programmed with	HID Prox or Indala format.		I2345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
C - Programmed with	CASI Prox.		
■ N - Unprogrammed HI	ID Prox.	12345 =	Card ID Number
Front Packaging (Sele	ct one option)	YYYYY	YYY-YY = Sales Order Number
G - Plain White with G	iloss Finish		
C - Custom Artwork w	vith Gloss Finish - Specify Custom Artwork Number ¹		
Back Packaging (Selec	ct one option)		
G - Plain White with G	iloss Finish²		
C - Custom Artwork w	vith Gloss Finish - Specify Custom Artwork Number ¹		
☐ 1 - Plain White with Gl	oss Finish with Magnetic Stripe ²		
3 - Custom Artwork w	rith Gloss Finish with Magnetic Stripe - Specify Custom Artwo	rk Number¹	
	pering ³ (Select one option) ng Encoded/Printed (Inkjetted) ⁵		
■ N - No Printed Card N	lumbering		
S - Sequential Encode	ed/Sequential Non-Matching Printed (Inkjetted) ⁴		
R - Random Encoded	[∕] Non-Matching Sequential Printed (Inkjetted)⁴		
🗌 A - Sequential Matchir	ng Encoded/Printed (Laser Engraved)		
☐ B - Sequential Encode	ed/Sequential Non-Matching Printed (Laser Engraved)		
C - Random Encoded	/Non-Matching Sequential Printed (Laser Engraved)		

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S	lot.	DII	nch	•

Slot Punch												
IMPORTANT - Dual High Fr									a desigr	١.		
HID recommends using a b	aage noide	er to at	ttach this	card to	a lanyar	a or baag	ge cii	p.				
N - No Slot Punch 2 nd 13.56 MHz Card Num	hovina ³ (Calas		tion)								
M - Sequential Matching			-	-								
■ N - No Printed Card Nu		1111100	ou (milyot	icay								
S - Sequential Encoded	_	ıl Non-	-Matchine	ı Printed	(Inkiett	ed) ⁴						
☐ R - Random Encoded/N			_			-						
☐ A - Sequential Matching		-			-	^/						
■ B - Sequential Encoded			-	_	-	Engraved	I)					
☐ C - Random Encoded/N					•	_	')					
125 kHz Card Numberin		-	•		_uscrr	igiavea						
☐ M - Sequential Matching			-									
■ N - No Printed Card Nu												
S - Sequential Encoded	/Sequentia	ıl Non-	-Matching	Printed	(Inkjett	ed) ⁴						
R - Random Encoded/N	Non-Matchi	ng Sed	quential F	Printed (I	nkjetted	d) ⁴						
A - Sequential Matching	g Encoded/	/Printe	ed (Laser	Engrave	d)							
■ B - Sequential Encoded	l/Sequentia	al Non-	-Matching	g Printed	(Laser	Engraved	l)					
C - Random Encoded/N	Non-Matchi	ng Sed	quential F	Printed (I	_aser Er	ngraved)						
Option - Custom Artwo	rk¹											
(Spe	cify Artwo	rk Nun	nber - Re	fer to the	e Custor	m Artwor	k For	ms for n	ew artw	ork)		
Enter your final card option	ns from the	above	e selectio	ns. Exam	ple: 396	64PNPGG	NNM	1				
Final Part Number							N				_	(Options #)
												1,
iCLASS SE Programm	ing Infor	matic										
- TOURIST TOURISM TOUR		- Indicio										
Format Number	Field Na		e.g.	Value	•	QTY		Encode	d Start	Number	En	coded Stop Number
	Facility (Code									_	
HID Elite ICE #								Printed	Start N	umber	Pri	nted Stop Number
2nd 13.56 MHz Progra	mming Ir	oform	aation									
Zilu 13.30 Minz Progra		110111	lation								—	
Format Number	Field Na	me(s)	e.g.	Value	•	QTY		Encode	d Start	Number	En	coded Stop Number
	Facility (Code										
HID Elite ICE #								Printed	Start N	umber	Pri	nted 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

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

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²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo [110] and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card. The majority of part numbers are marked with sales order number, a custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

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

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



iCLASS Credentials

iCLASS Card - 200 / 210

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

Base Model:	☐ 200 Standard PVC	☐ 210 Compos	ite 40% Pol	yester / PVC*
iCLASS Memory Size and	Allocation (Select one option)			
☐ 0 - 2k Bits (256 Bytes) wi	th 2 Application Areas			
☐ 3 - 32k Bits (4K Bytes) Ap	oplication areas 16k/2+16k/1		†	
4 - 32k Bits (4K Bytes) A	pplication areas 16k/16+16k/1			
iCLASS Programming (Se	elect one option)		2.125" (5.4 cm)	Front Packaging
_	ecurity Identity Object (SIO) cess Control Application (Recommend	ed)¹		Ü
_	ndard iCLASS Access Control Applicat			
C - Unprogrammed, for u	se with iCLASS SE Encoder		•	
Front Packaging (Select				3.370"
☐ G - Plain White with Gloss	•		0.033"	(8.57 cm)
C - Custom Artwork with	Gloss Finish - Specify Custom Artwork	Number²	(0.084 cm)	
Back Packaging (Select o	one option)		ı	
G - Plain White with Gloss				
C - Custom Artwork with	Gloss Finish - Specify Custom Artwork	Number²		Rock Packaging
☐ 1 - Plain White with Gloss	Finish with Magnetic Stripe ³			Back Packaging
3 - Custom Artwork with Specify Custom Artwork	Gloss Finish with Magnetic Stripe - Number ²			OPTIONAL MAGNETIC STRIPE
Card Numbering ⁴ (Select				1/2" (HICO/HIGH ENERGY - 40000E) """ KCLASS Y 12345 YYYYYYYYYYYY
☐ M - Sequential Matching B	Encoded/Printed (Inkjetted) ⁸			
☐ N - No Printed Card Num	bering		Y = iC	CLASS Programming
S - Sequential Encoded/S	Sequential Non-Matching Printed (Inkje	tted) ⁷		i = Card ID Number
☐ R - Random Encoded/No	n-Matching Sequential Printed (Inkjett	ed) ⁷	YYYY	YYYY-YY = Sales Order Number
☐ A - Sequential Matching E	Encoded/Printed (Laser Engraved)			
☐ B - Sequential Encoded/S	Sequential Non-Matching Printed (Lase	r Engraved)		
☐ c - Random Encoded/No	n-Matching Sequential Printed (Laser	Engraved)		
Slot Punch⁵ (Select one o	ption)			
N - No slot punch, This ca	ard can be slotted vertically, Printed Ve	rtical Slot Indicators		
☐ B - No Slot Punch, This ca	ard can be slotted horizontally, Printed	Horizontal Slot Indica	ators ⁷	
☐ H - Horizontal Slot Punch	6			

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Option - Custom A	rtwor	k²				
	(Spec	cify Artwork Number - R	efer to the Cu	stom Artwork F	Forms for new artwork)	
Enter your final card o	option	s from check boxes abov	/e. Example: 2	000HPGGNN		
Final Part Number					-	(Options #)
iCLASS Card Prog	gram	ming 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

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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

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

³Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo 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.

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

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

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

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

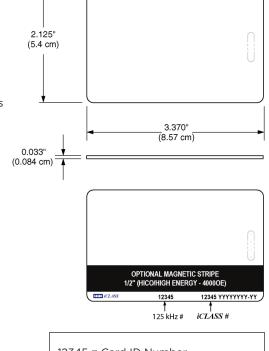


iCLASS + Prox Card - 212

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

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

Base Model	☐ 212 Composite 40% Polyester / PVC*		
iCLASS Memory Size and A	Allocation (Select one option)		
☐ 0 - 2k Bits (256 Bytes) with		A	
☐ 3 - 32k Bits (4K Bytes) App	olication areas 16k/2+16k/1		
☐ 4 - 32k Bits (4K Bytes) App	olication areas 16k/16+16k/1	2.125	
Programming (Select one of	option)	(5.4 cn	n)
	urity Identity Object (SIO), ss control application, 25 kHz Unprogrammed. ¹		
	urity Identity Object (SIO), and standard iCLASS access z 125 kHz programmed with HID Prox or Indala format	s <u>*</u>	3.370"
_	lard iCLASS access control application, 125 kHz or use with iCLASS SE Encoder	0.033"	(8.57 cm)
■ B - 125 kHz Programmed w programmed with standard	ith HID Prox or Indala format, iCLASS I access control application	(0.084 cm)	
☐ C - iCLASS Unprogrammed unprogrammed for use with	l, for use with iCLASS SE Encoder, HID Prox h iCLASS SE Encoder		
☐ A - iCLASS Unprogrammed programmed with HID Prox	l, for use with iCLASS SE Encoder, 125 kHz or Indala format		
☐ M - iCLASS Programmed, H	IITAG2 blank.		OPTIONAL MAGNETIC STRIPE
☐ I - iCLASS configured field	programmable, HITAG2 blank.		1/2" (HICO/HIGH ENERGY - 40000E) 172" (12345 12
Front Packaging (Select or	ne option)		1
G - Plain White with Gloss F	Finish	_	125 kHz # <i>iCLASS</i> #
C - Custom Artwork with G	loss Finish - Specify Custom Artwork Number ²		12345 = Card ID Number
Back Packaging (Select on G - Plain White with Gloss F			YYYYYYYYY = Sales Order Number
C - Custom Artwork with G	loss Finish - Specify Custom Artwork Number ²	_	
☐ 1 - Plain White with Gloss F	inish with Magnetic Stripe³		
☐ 3 - Custom Artwork with G Specify Custom Artwork No	loss Finish with Magnetic Stripe - umber²		
iCLASS Card Numbering ⁴ (Select one option)		
■ M - Sequential Matching En	coded/Printed (Inkjetted) ⁷		
■ N - No Printed Card Number	ering		
S - Sequential Encoded/Sec	quential Non-Matching Printed (Inkjetted) ⁶		
R - Random Encoded/Non-	Matching Sequential Printed (Inkjetted) ⁶		
☐ A - Sequential Matching En	coded/Printed (Laser Engraved)		
☐ B - Sequential Encoded/Se	quential Non-Matching Printed (Laser Engraved)		
C - Random Encoded/Non-	Matching Sequential Printed (Laser Engraved)		
Slot Punch⁵ (Select one op	tion)		



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125 kHz Card Numb M - Sequential Mat	_	-	-	-										
N - No Printed Care			Printed (in	(Jetted)										
S - Sequential Enco		Ü	l Non Match	hina Drint	ad (Inl	cio++	ad)6							
				_										
R - Random Encod						ettec	1)-							
☐ A - Sequential Mate	_			_										
☐ B - Sequential Enco		•		-	-		-	l)						
C - Random Encod	ed/No	on-Matchi	ng Sequenti	ial Printed	d (Lase	er Er	ngraved)							
Option - Custom Ar	twork	(²												
	(Spec	fy Artwor	rk Number -	Refer to	the Cu	ıstor	n Artwor	k Fo	rms fo	r new art	work)			
Enter your final card o	ptions	from the	above selec	ctions. Ex	ample:	212	OHPGGN	NN						
Final Part Number											-		(Op	tions #)
	I				1		l				ı			
iCLASS Card Prog	ramr	nina Info	ormation											
	Tarrii													
Format Number		Field Nati	me(s) e.g. Code	Va	lue		QTY		Ence	oded Sta	rt Nun	nber	Encoded Stop N	umber
HID Elite ICE #									Prin	ted Start	Numb	oer	Printed Stop Nu	mber
125 kHz Card Prog	ramr	ning Inf	ormation											
Format Number		Field Nati	me(s) e.g. Code	Va	lue		QTY		Ence	oded Sta	rt Nun	nber	Encoded Stop N	umber
					·				Prin	ted Start	Numb	oer	Printed Stop Nu	mber

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.

³Cards 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.

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

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

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

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



iCLASS Key - 205

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

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

Base Model	□ 205	Base Mode	el								
iCLASS Memory Size as 0 - 2k Bits (256 Bytes) 3 - 32k Bits (4K Bytes) 4 - 32k Bits (4K Bytes) Programming (Select of the programmed with secess control applicated to the programmed iCLASS (and the programmed iCLASS) C - iCLASS Unprogrammed iCLASS (and the programmed iCLASS) K - iCLASS Unprogrammed iCLASS (and the programmed iCLASS) N - iCLASS Key II - Black (and the programmed iCLASS) N - None Key Numbering (Select of iCLASS (and the programmed iCLASS) N - None R - Random Encoded (and iCLASS) R - Random Encoded (and iCLASS) Additional Options (and iCLASS) N - None Enter your final card option	with 2 Application Application area Application area (Application area (Application)) Security Identity (Application) Security (Application) Security Identity (Application) Security	on Areas as 16k/2+16k/1 as 16k/16+16k/ Object (SIO) a ded) ss control app h iCLASS SE E rt. Includes HII a-Matching Print ed (Engraved) h-Matching Print ed (Engraved) h-Matching Print ed (Engraved) h-Matching Print equential Print	and standard dication on Encoder D Standard nted (Inkjett ed (Inkjett) inted (Engrav	d Ar ded)	twork d) ³ ed)		.24 in [6 mm]		1. 25 in [3*	75 mm] —	1. 55 in [39.4 mm]
Final Part Number	205				N		N			N	
iCLASS Key Program	ming Informa	tion									
				Г			1 10 11:				
Format Number	Field Name(s Facility Code) e.g. \	Value		QTY	End	coded Start Num	ber	Encoded	Stop Numb	er
HID Elite ICE #						Pri	nted Start Numb	er	Printed S	top Numbe	r

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 $^{^{\}mbox{\scriptsize 1}}\mbox{The Printed key number is placed on the back of the key.}$

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

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



iCLASS Tag - 206

X 206 Base Model

available for these cards.

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.

iCLASS Memory Size a ☐ 0 - 2k Bits (256 Bytes) ☐ 3 - 32k Bits (4K Bytes) ☐ 4 - 32k Bits (4K Bytes)	with 2 Ap	oplication A on areas 16	Areas 6k/2+16k/	'1							
iCLASS Programming i			•								
H - Programmed with			=		dard iCLASS acc	cess contr	ol applicatio	on. (Re	commen	ded)	
☐ P - Programmed with i							51 appnoact	(,	
☐ C - iCLASS Unprogram				-							
Front Packaging (Selec								=		lh	†
☐ K - Black with HID Star	_						/// m	\mathbf{D}^{*}			
C - Custom Artwork -	Specify Cu	ıstom Artv	work Num	ber²		1	' // —				1.285"
Back Packaging								ASS [™] tag]]]	(32.639mm
🛛 S - Adhesive Backing									///		
Tag Numbering ¹ (Selec	t one op	tion)						_//,			Ţ
☐ M - Sequential Matchir	ig Encode	d/Printed	(Inkjetted	l) ⁴							
■ N - No Printed Tag Null	mbering						Front Pa	ackagir	ng	-	—
S - Sequential Encode	d/Sequent	ial Non-M	atching Pr	rinted (Ink	jetted)⁴					0.070"	
R - Random Encoded/	Non-Matc	hing Sequ	ential Prin	ited (Inkje	tted) ⁴					(1.78 mr	n)
Slot Punch											
X N - None											
Option - Custom Artwo		1.51	5 (0							
Enter your final Tag option					stom Artwork F	orms for r	iew artwork	()			
	13 110111 C11	T DOXES	1	Tample. 20				1			
Final Part Number	206				S		N	-		(0)	ptions #)
iCLASS Tag Program	ming Inf	ormatio	n								
Format Number	Field N	lame(s) e.	a	Value	QTY	Encod	ed Start Nu	ımbor	Encode	ed Stop N	lumbor
Format Number	Facility		9.	value	GII	Elicou	eu start Ni	iiibei	Elicode	tu Stop i	dullibei
HID Elite ICE #						Printe	d Start Nun	nber	Printed	l Stop Nu	ımber
¹ The Printed tag number is pla technology HID will be transit Please consult your sales Acco	ioning from	a white rele	ease paper	to a black r	_						
² For new artwork files, contact order quantities, and cost.	_				er, lead-times, min	imum		HIID iCLASS 7AB			iCLASS®
³ The iCLASS Tag is not for use								IAB	リ 		
⁴ Please note that cards shipped	d out of the	Americas a	ire always la	aser-engrav	ed. Inkjetted opti	on is not				Magnetic S	Stripe

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.



Contact Smart Chip

Magnetic Swipe card



iCLASS Clamshell Card - 208

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

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

■ 208 Base Mod ■ 100 Base Mod ■	el											
iCLASS Memory Siz Ø o - 2k Bits (256 By			ion Areas									
iCLASS Programmi ☐ HP - Programmed and standard iCLA ☐ P - Programmed w ☐ C - iCLASS Unprogrammed w ☐ The standard iCLA ☐ P - Programmed w ☐ He - Plain White with the with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White with the standard iCLA ☐ He - Plain White White With the standard iCLA ☐ He - Plain White White White White White	with Secur ASS access vith standa grammed, f select one nyl with Ma	rity Identificontrol agreed iCLASS for use with option)	cy Object (oplication. access co th iCLASS	(Recomm ontrol appl	ication only	3.310" (8.41 cm)	2.060° (5.23 cm)			2.125" 5.4 cm)		.070" 18 cm)
C - Custom Artwo Back Packaging (So S - Base with Molo C - Custom Artwo	elect one	option)					(Cover) Front Packag	ging		(Base)		
Card Numbering ³ (: M - Sequential Mai N - No Printed Car S - Sequential Enco R - Random Encod	tching Enco rd Numberi oded/Sequ	oded/Prin ng ıential No	ted (Inkjet n-Matchin	g Printed (Y = iCLASS 12345 = Car YYYYYYYY	d ID Nu	umber	er Number		
Slot Punch V - Vertical Slot Pu Option - Custom A	rtwork ²	rtwork Ni	umber - Re	efer to the	Custom Art	work Foi	rms for new	Artwor	k)			
Enter your final card o	options fror	n check b	oxes abov	e. Example	e: 2080HPG	SNV						
Final Part Number	208						V	-			(Option	s #)

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

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

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

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



iCLASS + Other HF Card - 242

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

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

Base Model	☐ 242 Composite 40% Polyester / PVC*		
iCLASS Memory Size	and Allocation (Select one option)	 ,	
	s) with 2 Application Areas (only available with MIFARE Classic 1K)	Ī (
☐ 3 - 32k Bits (4K Byte:	s) Application areas 16k/2+16k/1	2.125"	
☐ 4 - 32k Bits (4K Byte	s) Application areas 16k/16+16k/1	(5.4 cm)	Front Packaging
Card Programming (S	elect one option)		
	ned with Security Identity Object (SIO) and iCLASS standard ation, 2 nd technology programmed with Security Identity Object (SIO)	<u> </u>	
	ned with Security Identity Object (SIO) and ess control application, 2 nd technology unprogrammed	0.033"	3.370" (8.57 cm)
	ned with iCLASS standard access control application, rammed with HID MIFARE (MIFARE Classic) or custom	(0.084 cm)	
P - iCLASS programn 2nd Technology unpro	ned with iCLASS standard access control application, ogrammed		
C - Unprogrammed io Non-programmed 2 nd	CLASS, for use with iCLASS SE Encoder, d Technology	j	OPTIONAL MAGNETIC STRIPE 1/2" (HICO/HIGH ENERGY - 40000E)
	mmed, for use with iCLASS SE Encoder, 2 nd Technology D MIFARE (MIFARE Classic) or custom (MIFARE DESfire)		12345 12345 YYYYYYYYYYY)
2 nd High Frequency Te	echnology (Select one option)		
	K Bytes (only available with iCLASS 2k bits)		
■ N - MIFARE Classic 4	K Bytes		ard ID Number
K - MIFARE DESFire I	EV1 8K Bytes	YYYYYYY	Y-YY = Sales Order Number
Front Packaging (Sele	ect one option)		
☐ G - Plain White with (Gloss Finish		
C - Custom Artwork	with Gloss Finish - Specify Custom Artwork Number ¹		
Back Packaging (Sele	ect one option)		
G - Plain White with	Gloss Finish ²		
C - Custom Artwork	with Gloss Finish - Specify Custom Artwork Number ¹		
☐ 1 - Plain White with G	Gloss Finish with Magnetic Stripe ²		
3 - Custom Artwork	with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Numl	ber ¹	
iCLASS Card Number	ing ³ (Select one option)		
	ing Encoded/Printed (Inkjetted)⁵		
■ N - No Printed Card N	Numbering		
S - Sequential Encod	ed/Sequential Non-Matching Printed (Inkjetted) ⁵		
R - Random Encoded	d/Non-Matching Sequential Printed (Inkjetted) ⁵		
🗌 A - Sequential Match	ing Encoded/Printed (Laser Engraved)		
☐ B - Sequential Encod	ed/Sequential Non-Matching Printed (Laser Engraved)		
C - Random Encoded	d/Non-Matching Sequential Printed (Laser Engraved)		
Slot Punch			
-	Frequency credentials do not allow a slot punch due to the antenna dd to a lanyard or badge clip.	esign. HID red	commends using a badge
X N - No Slot Punch			

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2 nd High Frequency Ted	chnolog	y Card Nu	mbering³ (Selec	t one option	n)			
☐ M - Sequential Matchir	ng Enco	ded/Printed	(Inkjetted) ⁶					
■ N - No Printed Card N	umberin	g						
S - Sequential Encode	d/Seque	ential Non-M	atching Printed (Ir	nkjetted)⁵				
R - Random Encoded/	/Non-Ma	tching Sequ	ential Printed (Ink	jetted)⁵				
🗌 A - Sequential Matchir	ng Encod	ded/Printed	(Laser Engraved)					
☐ B - Sequential Encode	d/Seque	ential Non-M	latching Printed (L	aser Engraved	d)			
C - Random Encoded/	/Non-Ma	tching Sequ	ential Printed (Las	er Engraved)				
Option - Custom Artwo	ork¹							
(Sp	ecify Ar	twork Numb	er - Refer to the C	ustom Artwor	k Forms for	new artwork	:)	
Enter your final card optic	ons from	the above s	elections. Example	e: 2420HNGGI	NNN			
Final Part Number					N		-	(Options #)
			·				•	
iCLASS Card Program	mming	Informati	on					
Format Number		d Name(s) e. lity Code	.g. Value	QTY	Enco	ded Start Nu	mber	Encoded Stop Number
	1 acii	ity code						
HID Elite ICE #				_	Printe	ed Start Num	ber	Printed Stop Number
1115 21110 102 11								Timeda otop Itamioci
								<u> </u>
2 nd 13.56 MHz Techno	ology C	ard Progr	ramming Inforn	nation				
Format Number		l Name(s) e. lity Code	.g. Value	QTY	Enco	ded Start Nu	mber	Encoded Stop Number
HID Elite ICE #					Printe	ed Start Num	ber	Printed Stop Number

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

²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo [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.

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

⁴Cards 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*	
iCLASS Memory Size and Allocation (Select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available via 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1	with MIFARE Classic 1K)
4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1	2.125"
iCLASS / 2 nd 13.56 MHz Programming	(5.4 cm)
	3.370*
H - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2 nd technology	(8.57 cm)
 K - iCLASS programmed with Secure Identity Object (SIO) and i control application, 2nd Technology programmed with HID MIFAF or custom (MIFARE DESfire) 	CLASS standard access (0.084 cm)
■ B - iCLASS programmed with iCLASS standard access control a programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE)	
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	oplication, optional magnetic stripe 1/2" (HICOHIGH ENERGY - 40000E)
☐ C - iCLASS unprogrammed, for use with iCLASS SE Encoder, 2 nd Technology unprogrammed	CLASS 12345 12345 YYYYYYYYYYYY
☐ A - iCLASS unprogrammed, for use with iCLASS SE Encoder, 2 nd Technology programmed with HID MIFARE (MIFARE Classic)	or custom (MIFARE DESfire).
Other 13.56 MHz Technology (Select one option)	
■ M - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits)	
■ N - MIFARE Classic 4K Bytes	
125 kHz Technology Card Programming (Select one option)
☐ P - Programmed with HID Prox or Indala format.	
C - Programmed with Indala CX (Casi Prox)	
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	
Front Packaging (Select one option) G - Plain White with Gloss Finish G - Custom Artwork with Closs Finish - Chaolifu Custom Artwork	· Nursele ovi
C - Custom Artwork with Gloss Finish - Specify Custom Artwork	Number
Back Packaging (Select one option) G - Plain White with Gloss Finish ²	Disignation of the Class Finish with Manuschia China?
C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ¹	 ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹
iCLASS Card Numbering ³ (Select one option)	
☐ M - Sequential Matching Encoded/Printed (Inkjetted) ⁵	☐ B - Sequential Encoded/Sequential Non-Matching Printed
☐ N - No Printed Card Numbering	(Laser Engraved) ⁴
□ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁵	C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)⁴
□ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁵	
☐ A - Sequential Matching Encoded/Printed (Laser Engraved) ⁴	



SI	lo	t	Р	u	n	C	h
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IMPORTANT - Dual High Fre		ot allow a slot	punch due	to th	ne ante	enna d	lesign	. HID rec	commends using a badge		
holder to attach this card to N - No Slot Punch	a lanyard or badge clip.										
	h 3 (C - l t										
2 nd 13.56 MHz Card Num M - Sequential Matching					:		-1 /C - :		Nam Matakian Drintad		
■ N - No Printed Card Nur		ited)			ntiai E gravec		ea/Sed	quentiai	Non-Matching Printed		
		a Drintad	☐ C - Random Encoded/Non-Matching Sequential Printed								
S - Sequential Encoded/ (Inkjetted) ⁴	Sequential Non-Matching	g Printed	(Laser Engraved)								
R - Random Encoded/N (Inkjetted) ⁴	on-Matching Sequential I	Printed									
☐ A - Sequential Matching	Encoded/Printed (Laser	Engraved)									
125 kHz Card Numbering	g³ (Select one option)										
■ M - Sequential Matching	Encoded/Printed (Inkjet	ted)4	□ B - S	eque	ntial E	ncode	ed/Sed	quential	Non-Matching Printed		
■ N - No Printed Card Nur	N - No Printed Card Numbering								-		
S - Sequential Encoded/	g Printed			m End		/Non-	Matching	g Sequential Printed			
R - Random Encoded/N (Inkjetted) ⁴	on-Matching Sequential I	Printed									
A - Sequential Matching	Encoded/Printed (Laser	Engraved)									
Option - Custom Artwor		,									
	cify Artwork Number - Re	efer to the Cus	stom Artwo	rk Fo	rms fo	r new	artwo	ork)			
Enter your final card option							G. C	,,,,			
Effect your final card options		T Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	1								
Final Part Number				N			-		(Options #)		
iCLASS Card Program	ming Information										
Format Number	Field Name(s) e.g. Facility Code	Value	QTY		Enc	oded s	Start	Number	Encoded Stop Number		
HID Elite ICE #					Prin	ted St	art N	umber	Printed Stop Number		
			1								
2 nd 13.56 MHz Card Pro	gramming Informat	ion									
Format Number	Field Name(s) e.g. Facility Code	Value	QTY		Enc	oded 9	Start	Number	Encoded Stop Number		
HID Elite ICE #				_	Prin	ted St	art N	umber	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	er
	•				Printed Start Number Printed Stop Number	r

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

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

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

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

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



UHF Credentials

UHF Card - 600

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

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

Base Model		□ 600 C	Composite 40% F	Polyester /	PVC*				
Secure Identity Obje T - UHF Programme	_	_	Object (SIO)			T			
Front Packaging (Se G - Plain White with C - Custom Artwork Back Packaging (Sel G - Plain White with	lect one of Gloss Finisms with Gloss Finisms with Gloss Gloss Finisms with Gloss with Gloss	ption) h Finish - Sp otion) h² Finish - Sp n with Magi	pecify Custom Artwo pecify Custom Artwo netic Stripe ²			0.083" -> (5.4 cm) (5.4 cm)		3.370 (8.57) c	
UHF Card Numbering N - No Printed Card A - Sequential Matc B - Sequential Enco	g ³ (Select Numbering hing Encodeded/Sequented/Non-Mat work ¹ umber - Ref	one optices ed/Printed ntial Non-M ching Sequ er to the C	(Laser Engraved) Matching Printed (Laser Laser) Light (Laser) Light (Las	r Engraved) ns for new ar		•	HID UHF	OPTIONAL MAGNICH EF	INTEGRINE 12345 YYYYYYYY-YY TYYYYYYY-YY = Sales Order Number UHF
Final Part Number	600	Т			N				(Options #)
UHF Programming	Informat	ion⁵							
Format Number		Name(s) e ty Code	.g. Value	QTY	En	coded S	tart Numi	oer	Encoded Stop Number
HID Elite ICE #					Pri	inted Sta	art Numbe	er	Printed Stop Number
¹ For new artwork files, cont	oct Customor	· Sarvica for	custom artwork numbe	r_load-times :					

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²Cards 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

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

⁵Number 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

X N - No Slot Punch

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 anticounterfeiting element. **Direct to Card printing on these cards is not recommended.**

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

Base Model	☐ 601 Composite 40% Polyester / PVC*		
iCLASS Memory Size a	and Allocation		
☐ 3 - 32k Bits (4K Bytes	s) Application areas 16k/2+16k/1		
☐ 4 - 32k Bits (4K Bytes	s) Application areas 16k/16+16k/1		
Card Programming			
	with Secure Identity Object (SIO). iCLASS programmed Standard access control application and Secure Identity Object (SIO))	
	with Secure Identity Object (SIO). iCLASS ecure Identity Object (SIO)	<u> </u>	
_	I with Secure Identity Object (SIO). iCLASS andard iCLASS access control appliation	(5.4 cm)	
_	l with Secure Identity Object (SIO). iCLASS se with iCLASS SE Encoder		
Front Packaging (Sele	ect one option)	↓	3.370"
G - Plain White with G	Gloss Finish		(8.57) cm
C - Custom Artwork v	with Gloss Finish - Specify Custom Artwork Number ¹	0.033" (0.084 cm)	
Back Packaging (Selec	ct one option)	0.03	
G - Plain White with G	Gloss Finish ²		
C - Custom Artwork v	with Gloss Finish - Specify Custom Artwork Number ¹		
☐ 1 - Plain White with G	loss Finish with Magnetic Stripe ²		
3 - Custom Artwork w Specify Custom Artwo	vith Gloss Finish with Magnetic Stripe - ork Number ¹		OPTIONAL MAGNETIC STRIPE 3" (INCO)HIGH ENERGY -40000E) 10 (CLASS UHF 4*12345 12345 YYYYYYYY-YY SR.
UHF Card Numbering ³	³ (Select one option)		ICLASS UHF 4 12343 12343 1111111111111111111111111
■ N - No Printed Card N	Numbering		YYYYYYYY – YY = Sales Order Number
🗌 A - Sequential Matchi	ng Encoded/Printed (Laser Engraved)		
☐ B - Sequential Encode	ed/Sequential Non-Matching Printed (Laser Engraved)		
C - Random Encoded,	/Non-Matching Sequential Printed (Laser Engraved)		
iCLASS Card Numberi	ing ³ (Select one option)		
■ N - No Printed Card N	Numbering		
🗌 A - Sequential Matchi	ng Encoded/Printed (Laser Engraved)		
☐ B - Sequential Encode	ed/Sequential Non-Matching Printed (Laser Engraved)		
C - Random Encoded,	/Non-Matching Sequential Printed (Laser Engraved)		
Slot Punch			

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Option - Custom Art			twork Nu	mber - Re	efer to the C	Custor	m Artworl	(For	ms fo	r new ar	work)	
Enter your final card or	otion	s from	the abov	e selectio	ns. Exampl	e: 601	I3TGGNNI	N				
Final Part Number	6	00	Т					I	N	-		(Options #)
UHF Programming	ı Inf	orma	tion⁵									
Format Number			l Name(s) ity Code	_	Value		QTY		Enco	ded Sta	rt Number	Encoded Stop Number
HID Elite ICE #									Print	ed Start	Number	Printed Stop Number
iCLASS Programm	ing	Infori	mation									
Format Number			l Name(s)	_	Value		QTY		Enco	ded Sta	rt Number	Encoded Stop Number
HID Elite ICE #									Print	ed Start	Number	Printed Stop Number

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

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

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

 $^{^{5}\}mbox{Number}$ 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.**

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

Base Model		□ 603	Compo	site 40%	Polyeste	r / PVC*			
Card Programming									
J - UHF Programme							1		
☐ P - UHF Programme MIFARE non-progra		cure Ident	ity Object	(SIO),			2.125" (5.4 cm)		
☐ H - UHF Programme			-		cation		2. (5.		
K - UHF Programme									3.370"
MIFARE Memory Siz	e and All	ocation					1	-	(8.57) cm
⋈ - 4K Bytes							1	= '	
Front Packaging (Se	lect one	option)					0.033" (0.084 cm)		
☐ G - Plain White with	n Gloss Fin	ish					9		· ·
C - Custom Artwork	k with Glos	s Finish -	Specify C	ustom Artv	vork Numbe	er¹			
Back Packaging (Se	lect one o	option)							
G - Plain White with	n Gloss Fin	ish²							
C - Custom Artwork	k with Glos	s Finish -	Specify Co	ustom Artv	vork Numbe	er¹			OPTIONAL MAGNETIC STRIPE
1 - Plain White with	Gloss Finis	sh with Ma	agnetic St	ripe²				(© HID U	%" (HICO/HIGH ENERGY 40000E) HF MF 1M4P
3 - Custom Artwork Specify Custom Art			ith Magne	tic Stripe -					MIFARE UHF
UHF Card Numberin	a³ (Selec	t one op	tion)						YYYYYYYY – YY = Sales Order Number
■ N - No Printed Card		_	•						
🗌 A - Sequential Matc	hing Enco	ded/Print	ed (Laser	Engraved)					
☐ B - Sequential Enco	ded/Sequ	ential Nor	-Matching	Printed (L	aser Engra	ved) ⁴			
C - Random Encode	ed/Non-Ma	atching Se	quential F	rinted (Las	ser Engrave	d)			
Slot Punch									
N - No Slot Punch ■									
MIFARE Card Number	ering³ (Se	elect one	option)						
■ N - No Printed Card									
🗌 A - Sequential Matc	hing Enco	ded/Print	ed (Laser	Engraved)					
C - Random Encode	ed/Non-Ma	atching Se	quential F	rinted (Las	ser Engrave	d)			
☐ B - Sequential Enco	ded/Sequ	ential Nor	-Matching	Printed (L	aser Engra	ved)			
Option - Custom Art	work ¹								
☐ (Specify Artwork N		efer to the	Custom A	Artwork Fo	rms for nev	v artwork)			
Enter your final card op	otions from	the abov	e selectio	ns. Exampl	e: 603JMG(SANA			
Final Part Number	603			· ·			N		(Options #)
			l	L	L				(0 0.0110 117



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

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

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

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

⁵Number of bits should remain below 120 bits.

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



HID Proximity Credentials

ProxCard II Card - 1326

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

 □ 1326 Base Model 0.070" 2.060 125 kHz Programming (Select one option) 2.125" (0.18 cm) (5.23 cm) (5.4 cm) L - Programmed with HID or Indala format ■ N - HID Prox unprogrammed, for use with iCLASS SE Encoder Front Packaging (Select one option) **12345 YYYYYYYYY-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" (8.41 cm) (8.57 cm) **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 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 YYYYYYYY = 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. Value **QTY Encoded Start Number Encoded Stop Number**

Facility Code

Printed Start Number

Printed Stop Number

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

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

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



DuoProx II Card - 1336 / 1536

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

Base Model			□ 1336	Standar	d PVC	□ 1536	Со	mposit	e 40)% P	olyest	ter / PVC*
Base Model 125 kHz Programmin L - Programmed wit N - Unprogrammed Front Packaging (See G - Plain White PVC C - Custom Artwork Back Packaging (Sel G - Plain White PVC S - Standard DuoPro C - Custom Artwork Card Numbering³ (So M - Sequential Matc N - No Printed Card S - Sequential Encool R - Random Encode A - Sequential Enco	HID I	O Proxi One (Gloss F Gloss F Gloss F Gloss F Artwo Gloss F Encode berin Seque Encode Seque Seque	cone optical or use with coption) Finish Finish - Sportion) Finish - Sportion) Finish - Sportion	fon) format th iCLASS: ecify Custo inish² ecify Custo d (Inkjette Matching I quential Pr d (Engrave	SE Encoder om Artwork N om Artwork N od) ⁵ Printed (Inkjetted) Printed (Engr	Number ¹ Number ^{1,2} tted) ⁵ ed) ⁵ aved)	Col	mposit		2.125 ² (5.4cm	5 = Carro	3.370* (8.57 cm) DuoProx* II MAGNETIC STRIPE (1/2" HICO/High Energy - 4000 OE) 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
N - No slot punch, F V - Vertical Slot Pur H - Horizontal Slot F Option - Custom Art	Printe nch, P Punch	d Vert rinted n, Prin	tical and H	al Slot Indi	cators	S						TT Sales Graci Namber
_			twork Nun	nber - Refe	er to the Cust	om Artwork	For	ms for n	iew A	rtwoı	rk)	
Enter your final card op	tions	from	check box	kes above.	Example: 133	6LGGMN						
Final Part Number										•		(Options #)
125 kHz Card Progr	ramr	ming	Informa	tion								
Format Number			l Name(s) lity Code	e.g.	Value	QTY		Encode	ed St	art N	umber	Encoded Stop Number
								Printed	d Star	t Nur	mber	Printed Stop Number

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

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

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

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

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

⁶Programmed as a sequential 12 digit number.

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



ProxKey III Keyfob - 1346

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

□ 1346 Base Mode	I									
X 1346 Base Mode	t one or h HID Prox tk with g tom Artw (Select oning Enco Numberial ded/Sequently	ox or Indala x, for use wi rey insert. I work - Spec one optio oded/Printal ing uential Non flatching Seconded/Printal	ncludes HIE ify Custom n) ed (Inkjette -Matching I quential Pr ed (Engrave	O Stan Artwo ed) ³ Printed inted (ed)	odard <i>A</i> ork Nu d (Inkje (Inkjet	mber¹ etted)³ ted)³		24 in [6 mm] Y = iCLASS 12345 = Car YYYYYYYY	Program d ID Nur	o .
C - Random Encode Additional Options ⁴ N - No Option Enter your final ProxKey Final Part Number	® options	-				·	l S			N
	1									
125 kHz ProxKey Pr	ogrami	ming Info	rmation							
Format Number		ld Name(s)	e.g.	Valu	16	QTY	Encoded	Start Number	Encod	led Stop Number
							Drinted S	tart Number	Drinto	d Stop Number

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

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

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

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



ISOProx II Card - 1386 / 1586

Ensure each required option has been checked with the appropriate choice	e to fulfill a comp	leted order f	form.
Base Model 🔲 1386 Standard PVC 🔲 1	586 Composit	e 40% Po	lyester / PVC*
125 kHz Programming (Select one option) L - Programmed with HID Prox or Indala format			
■ N - Unprogrammed HID Prox, for use with iCLASS SE Encoder		<u> </u>	
Front Packaging (Select one option) G - Plain White PVC w/ Gloss Finish C - Custom Artwork w/ Gloss Finish - Specify Custom Artwork Number	-1	2.125" (5.4cm)	
Back Packaging (Select one option) G - Plain White PVC w/ Gloss Finish²		<u> </u>	0.0701
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	-1,2		3.370" (8.57 cm)
Card Numbering (Select one option) M - Sequential Matching Encoded/Printed (Inkjetted)5		0.033" (0.084 cm)	
N - No Printed Card Numbering			
S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁵			
R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁵			
▲ - Sequential Matching Encoded/Printed (Engraved)B - Sequential Encoded/Sequential Non-Matching Printed (Engraved)			
			12345 YYYYYYYYYYY
C - Random Encoded/Non-Matching Sequential Printed (Engraved)			
Slot Punch⁴ (Select one option) ☐ N - No slot punch, Printed Vertical and Horizontal Slot Indicators ☐ V - Vertical Slot Punch, Printed Horizontal Slot Indicators			= Card ID Number 'YYY-YY = Sales Order Number
☐ H - Horizontal Slot Punch, Printed Vertical Slot Indicators			TTT-TT - Sales Order Number
Option - Custom Artwork ¹			
(Specify Artwork Number - Refer to the Custom Artw	vork Forms for ne	w Artwork)	
Enter your final card options from check boxes above. Example: 1386LGGI			
Final Part Number			(Ontions #)

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

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

²Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small "HID logo 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.

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

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

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

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

Printed Start Number

Printed Stop Number



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] Color **B** - Standard beige finish HID 12345 YYYYYYYY-YY 2.660" [67.6 mm] **Back Packaging ▼** S - Standard HID logo Tag Numbering (Select one option) **Front Packaging Back Packaging** ■ N - No Printed Card Numbering 12345 = Card ID Number ■ S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) YYYYYYYYY = Sales Order Number ☐ **R** - Random Encoded/Non-Matching Sequential Printed (Inkjetted) **Hardware Option** N - None Enter your final Tag options from check boxes above. Example: 1351LBSMN **Final Part Number** 1351 L В S Ν (Optional Artwork #) 125 kHz Tag Programming Information¹ **Format Number** Field Name(s) e.g. Value QTY **Encoded Start Number Encoded Stop Number Facility Code**

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).

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



MicroProx Tag Proximity - 1391

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

□ 1391 Base Model □								
Programming (Select L - Programmed with N - Unprogrammed Front Packaging (Sele S - Gray with HID Sta G - Plain Gray Finish,	HID Prox of HID Prox for HID Prox HID Pro	r Indala fo use with i tion) ork		der			D°	
□ C - Custom Artwork · Back Packaging³ □ S - Adhesive Backing Tag Numbering² (Sele □ M - Sequential Match □ N - No Printed Tag N □ S - Sequential Encode □ R - Random Encodes	ect one opting Encodedumbering	tion) d/Printed ial Non-Ma	(Inkjetted) ³ atching Printed			Microl	PROX	1.285" (32.639mm) ———————————————————————————————————
Slot Punch N - None Optional Custom Artv (S Enter your final Tag option	vork¹ pecify Artwons from che	ork Numb	er - Refer to the	Custom Artwo :: 1391LSSMN)	(0.11
Final Part Number	1391			S	N	I -		(Options #)

125 kHz Tag Programming Information

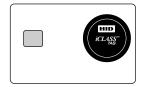
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
				Printed Start Number	Printed Stop Number

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

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

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

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



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.

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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

5 = 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)

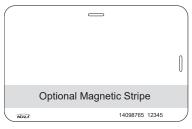
MAGNETIC STRIPE OPTION

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

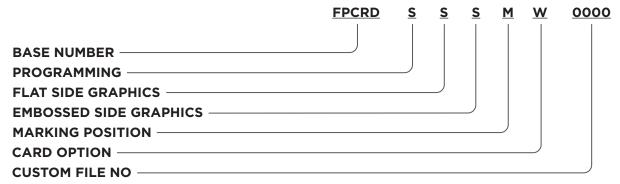


FPCRD - FlexCard Standard Card

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

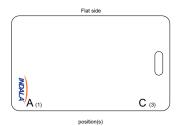
W = White (standard color) - surface treated with UV protection - may not accept printing

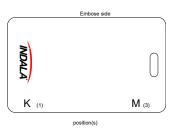
P = Printable, matt finish - No varnish, no logo, surface will accept post printing

CUSTOM FILE NUMBER (4 Characters - Factory Assigned)

0000 = No Artwork

Call your Customer Service Representative for new artwork



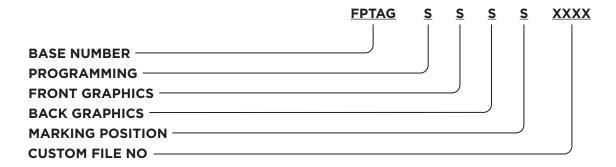




FPTAG - FlexTag

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.
- E201 marking is not compatible with programming option N
- **S** = Standard (back side on printed strip)

CUSTOM FILE NUMBER XXXX (4 Characters - Factory Assigned)

0002 = No Artwork

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

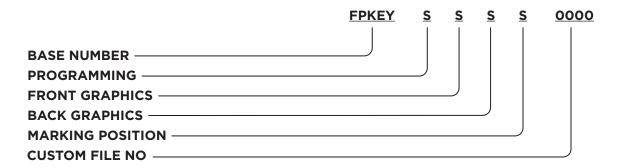
In order to support laser marking technology HID will be transitioning from a white release paper to a black release paper. Please consult your sales Account Manager for more information.



FPKEY - FlexKey Keytag

Standard Part No.: FPKEY-SSSS-0000

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



BASE NUMBER

FPKEY - 125 kHz Keytag Type Proximity Card

PROGRAMMING

\$ = 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

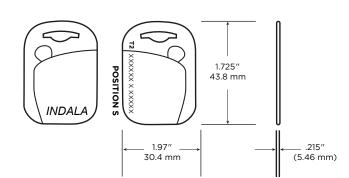
Notes:

- 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 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)

ASP 10022 0 to 255 0 to 65,535 (All new Systems except FP Lite)

Reader Format Numbers

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

Format Name: 27-BIT INDALA

Card Format Number Facility Code Range ID Number Range

4010X 0 to 8,191 0 to 16,383

Reader Format Numbers

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

Format Name: ABA TRACK 2

Card Format Numbers Facility Code Range ID Number Range

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

Reader Format Numbers

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

Format Name: RS232 Serial Data

Card Format Number Card Programming Range

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

Reader Format Number

16144

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

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



MIFARE DESFire® Credentials

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

■ High Security Profile

A Secure Identity Object (SIO) based DESFire EV3 application that utilizes the latest security features combined with random UID for enhanced privacy protection. Compatible with HID Signo™ Reader firmware 10.0.2.2 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 Par	t Number	DESFire Compatibility			
	Single Technology	Dual Technology	Readers	CP1000		
High Security Profile	802	812	HID Signo Reader(firmware 10.0.2.2 or greater)	Custom Application Programming with Non- Diversified keys		
Compatibility Profile	801	811	HID Signo Reader, iCLASS SE, multiCLASS SE	EV1 SIO and Custom Application Programming		
Custom Profile	800	810	iCLASS SE "W" Custom Profile, multiCLASS SE "W" Custom Profile	EV1 Custom Application Programming		

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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		B0 	2 Comp	osite (40	% Polye	ster/P	VC)				
MIFARE DESFire EV	3 Memo	ry Size						T .			
▼ F - 8K Bytes								1			
Secure Identity Obje P - Programmed wi Based on Random	th EV3 S	ecure Iden	tity Objec		olication.		2.12 (5.4 c			Front Packaging	
Front Packaging (Se											
C - Custom Artwork	C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ³										
Back Packaging (Se	option)			.033" =	<u>+</u>		Shared Card Edge	_ TOP			
G - Plain White with	n Gloss F	inish²					(0.084 cm)[)
☐ 1 - Plain White with	Gloss Fi	nish with M	lagnetic S	stripe ²							
C - Custom Artwork	C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ²									Back Packaging	
3 - Custom Artwork Specify Custom Art		Gloss Finish with Magnetic Stripe -									
Card Numbering ⁴ (S	elect or	ne 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 Encode	ed/Non-N	Matching S	equential	Printed (La	ser Engra	ved)		12345 =	Card	I ID Number	
Slot Punch N - No Slot Punch.								YYYYY	YYY-\	/Y = Sales Order Numbe	·r
IMPORTANT - 802 cred Use a badge holder to						design.					
Option - Custom Art	work ¹										
	Specify A	rtwork Nu	mber - Re	fer to the C	Custom Ar	twork F	orms for new	Artwork)			
Enter your final card op	otions fro	m check b	oxes abov	/e. Example	e: 802FPP	GGAN					
Final Part Number	802	F	P				N	-		(Options #	‡)
DESFire EV3 Card	Progra	mming I	nformat	ion							_
Format Number		eld Name(s cility Code		Value	Q	TY	Encoded	Start Num	ber	Encoded Stop Number	
HID Elite ICE							Printed S	tart Numb	er	Printed Stop Number	
¹ Third party applications ar	e required	to support	random UII), if in doubt	. consult wi	th the ap	plication vendo	r. Card allow	s free	create/delete of third party	///

applications.

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²Cards 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.

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

⁴The 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 fulfill a completed order form.

Base Model			812 Con	nposite ((40% Pc	lyester/	PVC)			
MIFARE DESFire EV F - 8K Bytes	3 Mem	ory Size	•							
DESFire Secure Idea P - Programmed w Based on Random	th EV3	Secure Id	entity Ob	ject (SIO)		on.		2.125"		Front Packaging
Prox Programming (P - Programmed w	ith HID	Prox or Ir	ndala forn					(5.4 cm)		
N - Unprogrammed	HID Pr	ox for iCl	LASS SE	encoder ((CP1000)					
Front Packaging (Se ☐ G - Plain White with ☐ C - Custom Artwor	h Gloss	Finish						.033" (0.084 cm)		— Shared Card Edge — 5
Specify Custom Ar			511					1		
Back Packaging (Se		-	n)							Back Packaging
☐ 1 - Plain White with	Gloss F	inish wit	h Magnet	ic Stripe ²						
C - Custom Artwor Specify Custom Ar			sh -						© HID DESFire D	83X 12345 YYYYYYYYYYY SE 27
3 - Custom Artwork Specify Custom Ar			sh with M	agnetic St	ripe -					
DESFire Card Numb	ering ⁴	(Select	one opt	ion)				1:	2345 = Ca	rd ID Number
■ N - No Printed Card	d Numb	ering						Y	YYYYYYY	'-YY = Sales Order Number
A - Sequential Mate	ching Er	ncoded/P	rinted (L	aser Engra	aved)					
☐ B - Sequential Enco	oded/Se	equential	Non-Mate	ching Prin	ted (Laser	Engraved	1)			
	ed/Non	ı-Matchin	g Sequen	tial Printe	d (Laser E	ingraved)				
Slot Punch N - No Slot Punch.										
IMPORTANT - 812 cred Use a badge holder to						nna desigr	١.			
125 kHz Card Numb		ering								
🗌 A - Sequential Mate	ching Er	ncoded/P	rinted (L	aser Engra	aved)					
☐ B - Sequential Enco	oded/Se	equential	Non-Mate	ching Prin	ted (Laser	Engraved	l)			
C - Random Encod	ed/Non	-Matchin	g Sequen	tial Printe	d (Laser E	ngraved)				
Option - Custom Ar	twork ³									
	Specify	Artwork	Number -	Refer to	the Custor	n Artwork	Forms fo	r new Artv	work)	
Enter your final card o	otions f	rom chec	k boxes a	bove. Exa	mple: 812F	- - - - - - - - - - - - - - - - - - -	A			
Final Part Number	812	F	Р					N	-	(Options #)
		1		1	-	1		1	1	



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

¹Third 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.

³Cards 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.

⁴The 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% Polyester/PVC)											
MIFARE DESFire EV	′3 Me	mor	y Size							T	
X F - 8K Bytes											
DESFire Secure Idea	ntity	Obje	ect Prog	ramming	1						
□ P - Programmed w application plus EV	•	, ,		,	, ,	•			2.125' (5.4 cm		Front Packaging
Front Packaging (Se	elect	one	option)							<u> </u>	
	n White with Gloss Finish								.033" =	<u> </u>	Shared Card Edge
C - Custom Artwor Specify Custom Ar				-					(0.084 cm)		
	Back Packaging (Select one option) G - Plain White with Gloss Finish ²										Back Packaging
☐ 1 - Plain White with	Glos	s Fini	ish with M	lagnetic St	ripe²						
☐ 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}											
Card Numbering ⁴ (S	elec	t one	option)						107.15	
■ N - No Printed Card			=		arking only	,					ard ID Number
A - Sequential Mate			-							YYYYYY	Y-YY = Sales Order Number
■ B - Sequential Enco							r Engr	aved)			
C - Random Encod											
Slot Punch	•		J	·	•		Ü	ŕ			
■ N - No Slot Punch.											
IMPORTANT - 801 cred	dentia	als do	not allov	v a slot pur	nch due to	ante	nna d	esign.			
Use a badge holder to											
Option - Custom Ar	twor	k³									
	Speci	fy Ar	twork Nu	mber - Ref	er to the C	usto	m Art	work Forr	ms for new A	Artwork)	
Enter your final card o	ptions	s fron	n check b	oxes above	e. Example	: 801	FPGG	AN			
Final Part Number	80)1	F						N	-	(Options #)
								I			Value
DESFire EV3 Card	Pro	grar	nming I	nformati	on						
Format Number			d Name(s		Value		QT	Υ	Encoded S	Start Numbe	r Encoded Stop Number
HID Elite ICE									Printed St	art Number	Printed Stop Number



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

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²Cards 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.

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

⁴The 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		□ 811 C	omposi	te (40%	6 Polyes	ster/PV	C)					
MIFARE DESFire EV3 M	emory S	Size										
🗵 F - 8K Bytes								T				
DESFire Secure Identity	Object	Progra	mming ¹					Ī				
□ P - Programmed with lead application plus EV3 Search			-		-			2.125" (5.4 cm)			Front Packaging	
								(0.4 cm)				
Prox Programming (Sel	ect one	option)						.				
☐ P - Programmed with H	ID Prox o	or Indala	format									J
■ N - Unprogrammed HID	Prox for	iCLASS	SE encod	er (CP100	00)			33" *			Shared Card Edge	_
Front Packaging (Select	t one op	otion)					(****	,				
G - Plain White with Glo	ss Finish	ı										
C - Custom Artwork wit	h Gloss F	Finish - S	pecify Cu	stom Arty	work Nun	nber³					Back Packaging	
Back Packaging (Select G - Plain White with Glo												
☐ 1 - Plain White with Glos	ss Finish	with Mag	netic Stri	ipe²								
C - Custom Artwork wit				•	work Nun	nber ^{2,3}			© HID DE	SFire D83X	12345 YYYYYYYYYYY SE	"
3 - Custom Artwork wit Specify Custom Artwor			h Magnet	ic Stripe -	-							\neg
13.56 MHz DESFire Card	l Numbe	ering⁴ (S	Select or	ne optioi	n)			1	12345 =	Card	ID Number	
☐ N - No Printed Card Nu					•			\	YYYYY	YYY-Y	'Y = Sales Order Numb	er
☐ A - Sequential Matching	Encode	d/Printed	d (Laser E	ngraved)								
☐ B - Sequential Encoded	/Sequen	tial Non-l	Matching	Printed (I	_aser Eng	graved)						
C - Random Encoded/N	lon-Matc	hing Seq	uential Pr	rinted (La	ser Engra	aved)						
Slot Punch N - No Slot Punch.												
IMPORTANT - 811 credentia	als do no	t allow a	slot punc	h due to a	antenna c	lesign.						
Use a badge holder to attac						3						
125 kHz Card Numbering N - No Printed Card Number	_											
☐ A - Sequential Matching	Ü	d/Printe	d (Lasor F	naraved)								
B - Sequential Encoded						arayed)						
☐ C - Random Encoded/N			_	-								
	_	illig seq	uentiai Pi	iiiteu (La	ser Engra	aveu)						
Option - Custom Artwor		ork Numh	ner - Refe	r to the C	ustom A	twork Fo	rms for n	ωw Δrt	work)			
(Spec	iiy Altvv	O. R. MUITIK	JOI INGIG	. to the C	ascom A	CWOIKIO	101 11	OW AIL				
Enter your final card option	ıs from c	heck box	es above.	Example	: 811FPPG	GANA						
Final Part Number 811	F						N			-	(Options	#)

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DESFire EV3 Card Programming Information

Format Number	d Name(s) e.g. lity Code	Value	Q	YTÇ	Enco	ded Start Number	Encoded Stop Number
HID Elite ICE					Printe	ed Start Number	Printed Stop Number

125 kHz Card Programming Information

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

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

²Cards 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.

⁵For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

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



MIFARE DESFire EV3 Card: Custom Profile - 800

Facility Code

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.

Card without SIO e	encodin	ıgBase M	1odel		□ 80	0 Comp	osite (4	10% Polye	ester/PVC)	
MIFARE DESFire EV	3 Memo	ry Size								
🛛 F - 8K Bytes										
DESFire Programmir ☐ N - Unprogrammed (EV1 custom encodi	DESFire	EV3 for u	se with iCLA					†)
S - Custom MIFARE requires custom pair	DESfire	EV1, EV2 o	-		ophedions		2.125" (5.4 cm)		Front Packaging	
Front Packaging (Se										
C - Custom Artwork	with Glo	oss Finish	- Specify Cu	ıstom Artw	ork Number	.3	i			
Back Packaging (Sel		•					.033" == (0.084 cm)		— Shared Card Edge —	ノ □ ਵ ¬
☐ 1 - Plain White with☐ C - Custom Artwork☐ 3 - Custom Artwork☐ Specify Custom Art	with Glo	oss Finish o	- Specify Cu	ıstom Artw	ork Number	-2,3			Back Packaging	
Card Numbering ⁴ (Set N - No Printed Card A - Sequential Matc	Number	ring, sales oded/Prin	number mai ted (Laser E	Engraved)	ser Engrave	ed)		© TIID DESFire D	D83X 12345 YYYYYYYY-YY 5E	
☐ C - Random Encode ☐ Z - Reversed UID (C		_	•)			ard ID Number Y-YY = Sales Order Numb	er
Slot Punch N - No Slot Punch.									- Suics Order Numb	
IMPORTANT - 80 crede Use a badge holder to a			•		_	ın.				
Option - Custom Art	work ³		mber - Refe			rk Forms 1	for new A	rtwork)		
Enter your final card op	tions fro	m check b	oxes above	. Example: 8	300FNGGNI	N				
Final Part Number	800	F					N	-	(Options	#)
DESFire EV3 Card	Progra	mming l	nformatic	n						
Format Number	Fie	eld Name(s) e.g.	Value	QTY	Eı	ncoded S	tart Numbei	r Encoded Stop Numbe	r

Printed Start Number

Printed Stop Number



¹Contact 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.

²Cards 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.

³For 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.

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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.

Card without SIO encoding + Prox	□ 810 Composite (40% Polyester/PVC)
MIFARE DESFire EV3 Memory Size F - 8K Bytes DESFire EV3 DESFire Programming (Select one option)	on)
N - Unprogrammed for use with iCLASS SE Encoder (EV1 custom encoding only) or third-party EV1, EV2 or EV3 application	ations.
S - Custom EV1, EV2 or EV3 programming (custom part number required) ¹	2.125" (5.4 cm) Front Packaging
Prox Programming (Select one option) ☐ P - Programmed with HID Prox or Indala format	
■ N - Unprogrammed HID Prox for iCLASS SE encoder (CP1000)	1↓
Front Packaging (Select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number³	.033* Shared Card Edge 5
Back Packaging (Select one option) G - Plain White with Gloss Finish ²	Back Packaging
☐ 1 - Plain White with Gloss Finish with Magnetic Stripe²	
☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ^{2,3}	© IIID DESFire D83X 12345 YYYYYYY-YY SE #
☐ 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	12345 = Card ID Number YYYYYYYY-YY = Sales Order Number
☐ A - Sequential Matching Encoded/Printed (Laser Engraved) ⁴	
■ B - Sequential Encoded/Sequential Non-Matching Printed (Laser E	
☐ C - Random Encoded/Non-Matching Sequential Printed (Laser En	graved)
Slot Punch N - No Slot Punch.	
IMPORTANT - 810 credentials do not allow a slot punch due to antenr Use a badge holder to attach this card to a lanyard or badge clip.	na design.
125 kHz Card Numbering⁴ ☐ N - No Printed Card Numbering	
☐ A - Sequential Matching Encoded/Printed (Laser Engraved)	
☐ B - Sequential Encoded/Sequential Non-Matching Printed (Laser E	Engraved)
☐ C - Random Encoded/Non-Matching Sequential Printed (Laser En	graved)
Option - Custom Artwork ³	
[Specify Artwork Number - Refer to the Custom	Artwork Forms for new Artwork)

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

Final Part Number	810 F			N	-	(Options #)
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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.

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²Cards 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.

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

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



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

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

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

Card with SIO encoding	OR	Card without SIO encoding	
3700 Standard PVC		☐ 1450 Standard PVC	
☐ 3750 Composite 40% Polyester / PVC*		☐ 1456 Composite 40% Polyester	· / PVC*
MIFARE DESFire EV1 Memory Size	MIFARE DESFire EV1 Memory	Size	
▼ C - 8K Bytes MIFARE DESFire EV1		▼ C - 8K Bytes MIFARE DESFire B	EV1
Programming ☐ P - Programmed Security Identity Object (SIO) for		Programming (Select one opti	ion) DESFire EV1 for use with iCLASS
MIFARE DESFire EV1		SE Encoder (custom)	DESTITE EVITOR USE WITH TELASS
		S - Custom MIFARE DESfire EV custom part number	1 programming - requires
Front Packaging (Select one option)			
G - Plain White with Gloss Finish		1	
C - Custom Artwork with Gloss Finish - Specify Custom Ar	twork		
Back Packaging (Select one option) G - Plain White with Gloss Finish ²		2.125" (5.4 cm)	Front Packaging
☐ 1 - Plain White with Gloss Finish with Magnetic Stripe²			
☐ C - Custom Artwork with Gloss Finish - Specify Custom Ar	twork	Number ^{1,2}	
 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number^{1,2} 	:	-	3.370"
Card Numbering ³ (Select one option)		1	(8.57 cm)
☐ M - Sequential Matching Encoded/Printed (Inkjetted) ⁴		0.033" (0.084 cm)	
■ N - No Printed Card Numbering		I	
☐ S - Sequential Encoded/Sequential Non-Matching Printed	(Inkjet	tted) ⁴	
☐ R - Random Encoded/Non-Matching Sequential Printed (Ir	nkjette	ed) ⁴	2 1 2 1
☐ A - Sequential Matching Encoded/Printed (Laser Engraved	d)		Back Packaging
☐ B - Sequential Encoded/Sequential Non-Matching Printed	(Lase	r Engraved)	Note: 340 credential image may vary.
☐ C - Random Encoded/Non-Matching Sequential Printed (L	aser E	Engraved)	
☐ Z - Reversed UID (CSN) Decimal card numbering only (Last	er En	graved)	© IIII MIFARE SE M1H 12345 YYYYYYYYYY XT

Slot Punch⁵

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



Option - Custom Artwork¹

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

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

Final Part Number	С			-	(Options #)
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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

^{*}HID Elite key not applicable to base parts 1431, 1441, 1437, or 1447.

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

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

³The Printed card number is placed in the bottom right-hand corner on the back of the card. Permanent Unique MIFARE 56 Bit serial # cannot be printed on cards.

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

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

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



MIFARE DESFire EV1 + Prox Card - 380 / 385 / 1451 / 1457

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

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

Card with SIO encoding + Prox (Recommended) OR	Card without SIO encoding + Prox
3800 Standard PVC	☐ 1451 Standard PVC
☐ 3850 Composite 40% Polyester / PVC*	1457 Composite 40% Polyester / PVC*
MIFARE DESFire EV1 Memory Size	*HITAG based cards are not available with composite
☑ C - 8K Bytes DESFire EV1	MIFARE DESFire EV1 Memory Size
Programming (Select one option)	
	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.
V - Unprogrammed 13.56 MHz with Secure Identity object (SIO) for MIFARE DESFire EV1 for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HIDProx for use with iCLASS SE	S - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HID Prox for iCLASS SE Encoder, custom part number required
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 (Select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Back Packaging (Select one option) G - Plain White with Gloss Finish ²	2.125" (5.4 cm) Front Packaging
1 - Plain White with Gloss Finish with Magnetic Stripe ²	
 □ C - Custom Artwork with Gloss Finish - Specify Custom Artwork □ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number^{1,2} 	3.370° (8.57 cm)
13.56 MHz DESFire Card Numbering³ (Select one option) ☐ M - Sequential Matching Encoded/Printed (Inkjetted)⁵ ☐ N - No Printed Card Numbering	0.033" (0.084 cm)
S - Sequential Encoded/Sequential Non-Matching Printed (Inkje	++od) ⁵
R - Random Encoded/Non-Matching Sequential Printed (Inkjette	
■ A - Sequential Matching Encoded/Printed (Laser Engraved) ⁴	Daok i ackaging
B - Sequential Encoded/Sequential Non-Matching Printed (Lase	Note: 340 credential image may vary.
□ C - Random Encoded/Non-Matching Sequential Printed (Laser E	,
	© CDD MIFARE SE M1H 12345 YYYYYYYYY XT
Slot Punch	
IMPORTANT - MIFARE DESFire EV1 + prox credentials do not allow a slot punch due to the antenna design, use a badge holder to attact this card to a lanyard or badge clip.	12345 = Card ID Number
N - No Slot Punch	YYYYYYYYYY = Sales Order Number

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125 kHz Card Numbe	ring³											
☐ M - Sequential Match	ning End	coded/P	rinted (Ir	nkjetted) ^s	5							
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	Numbe	ring										
S - Sequential Encod	ded/Seq	quential i	Non-Mate	ching Pri	nted (Inkj	etted)⁵						
R - Random Encode	d/Non-l	Matchine	g Sequen	itial Print	ed (Inkjet	ted)5						
☐ A - Sequential Match	ning End	coded/P	rinted (L	aser Eng	raved) ⁴							
B - Sequential Encod	_			_		er Engrave	ed) ⁴					
C - Random Encode				_		_						
Option - Custom Arty			5			3						
		Artwork	Number	- Refer t	o the Cus	tom Artwo	ork Foi	ms	for new A	Artwork)		
Enter your final card opt										·		
Final Part Number		С					N			-		(Options #)
					,							
13.56 MHz Card Pro	gramr	 ning Ir	nformat	ion								
Format Number			ne(s) e.g.	1	/alue	QTY		Er	ncoded St	art Num	ber	Encoded Stop Number
	Fa	cility Co	ode									
]											
HID Elite ICE #								Pr	rinted Sta	rt Numb	er	Printed Stop Number
125 kHz Card Progr	ammir	ng Info	rmation	า								
						1						I
Format Number		eld Nam	ne(s) e.g. ode	\	/alue	QTY		Er	ncoded St	art Num	ber	Encoded Stop Number
								Pr	rinted Sta	rt Numb	er	Printed Stop Number

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

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

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

³The Printed card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Proximity Programming only. Permanent unique MIFARE DESFire 56 Bit serial # cannot be printed on cards.

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

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



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 <u>with</u> SIO encoding (Recommended)	OR	MIFARE Classi	_		out SIO encoding			
3400 (1K) Standard PVC		☐ 1440 (4K) Si						
3406 (4K) Standard PVC		1436 (1K) Composite 40% Polyester / PVC*						
3450 (1K) Composite 40% Polyester / PVC*		1446 (4K) Composite Polyester 40% / PVC*						
3456 (4K) Composite Polyester 40% / PVC*	Programming	•	•					
Programming* (Select one option) □ P - Programmed with Security Identity Object (SIO) for MIFARE Classic	M - ProgramN - UnprogramEncoder (cu	imed HID N ammed MI stom or H	MIFAR FARE ID)	RE6 access control application Classic for use with iCLASS SE				
		□ S - Custom part number	-	ed MII	FARE Classic, requires custom			
*A marker is placed in sector 6 and will not be available for other of	data							
Front Packaging (Select one option) G - Plain White with Gloss Finish			1					
C - Custom Artwork with Gloss Finish - Specify Custom Art	twork	k Number¹	2.125"					
Back Packaging (Select one option) ☐ G - Plain White with Gloss Finish²			(5.4 cm))	Front Packaging			
☐ 1 - Plain White with Gloss Finish with Magnetic Stripe²								
☐ C - Custom Artwork with Gloss Finish - Specify Custom Art	twork	k Number ^{1,2}	<u> </u>					
☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe Specify Custom Artwork Number ^{1,2}	-			ı	3.370" (8.57 cm)			
Card Numbering³ (Select one option) ☐ M - Sequential Matching Encoded/Printed (Inkjetted)²			0.033" (0.084 cm)	1				
■ N - No Printed Card Numbering								
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $								
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $					Back Packaging			
S - Sequential Encoded/Sequential Non-Matching Printed ((Inkje	etted) ⁷			22000 2000200			
☐ R - Random Encoded/Non-Matching Sequential Printed (In	nkjett	red) ⁷			Note: 340 credential image may vary.			
☐ A - Sequential Matching Encoded/Printed (Laser Engraved	l)							
☐ B - Sequential Encoded/Sequential Non-Matching Printed ((Lase	er Engraved)			© IIII MIFARE SE M1H 12345 YYYYYYYYYY XT			
☐ C - Random Encoded/Non-Matching Sequential Printed (La	aser l	Engraved)						
Z - Reversed UID (CSN) Decimal card numbering only (Las	er En	ngraved)		1234	45 = Card ID Number			
Slot Punch⁵ (Select one option)				YYY	/YYYYY-YY = Sales Order Number			
■ N - No slot punch, Printed Vertical Slot Indicators								

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Option - Custom Art	twork ¹						
	(Specif	y Artwork Number	- Refer to the Cu	stom Artwork	forms for n	ew artwork)	
Enter your final card or	otions fr	om check boxes ab	ove. Example: 34	OOPGGNN			
Final Part Number					-		(Options #)
13.56 MHz Card Pr	ogram	ming Informatio	n				
			,				
Format Number		ield Name(s) e.g. acility Code	Value	QTY	Encode	d 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

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

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

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

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

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

⁶Includes a permanent Unique MIFARE 32 Bit Serial number.

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

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



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.

MIFARE Classic + Prox Card OR	MIFARE Classic + Prox Card
with SIO encoding (Recommended)	without SIO encoding
3500 (1K) Standard PVC	1431 (1K) Standard PVC
3506 (4K) Standard PVC	1441 (4K) Standard PVC
3550 (1K) Composite 40% Polyester / PVC*	☐ 1437 (1K) Composite 40% Polyester / PVC*
3556 (4K) Composite 40% Polyester / PVC*	☐ 1447 (4K) Composite 40% Polyester / PVC*
Programming* (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	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)
□ R - Programmed 13.56 MHz Security Identity Object (SIO) for MIFARE Classic, programmed 125 kHz with HID Prox or Indala format	
$\hfill \hfill $	■ Programmed 13.MHz with HID MIFARE6 access control application, programmed 125 kHz with HID Prox or Indala format
*A marker is placed in sector 6 and will not be available for other data	N - Unprogrammed 13.56 MHz MIFARE (for use with SE Encoder custom or HID), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder
	S - Custom Programmed 13.56 MHz MIFARE Classic, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder, requires custom part number
Front Packaging (Select one option)	
☐ G - Plain White with Gloss Finish	Ţ [
C - Custom Artwork with Gloss Finish - Specify Custom Artwork	Number ¹ 2.125"
Back Packaging (Select one option)	(5.4 cm) Front Packaging
G - Plain White with Gloss Finish	
1 - Plain White with Gloss Finish with Magnetic Stripe ²	Number 12
C - Custom Artwork with Gloss Finish - Specify Custom Artwork	Number
	3.370" (8.57 cm)
13.56 MHz MIFARE Card Numbering ³ (Select one option)	0.033" (0.084 cm) _
■ M - Sequential Matching Encoded/Printed (Inkjetted) ⁵	(0.00 / 0.00)
■ N - No Printed Card Numbering	
U - UID (CSN) HEX card numbering only (Inkjetted) ^{4,5}	
\square V - UID (CSN) Decimal card numbering only (Inkjetted) ^{4,5}	Back Packaging
□ S - Sequential Encoded/Sequential Non-Matching Printed (Inkje	tted) ⁵ Note: 340 credential image may vary.
☐ R - Random Encoded/Non-Matching Sequential Printed (Inkjette	ed) ⁵
☐ A - Sequential Matching Encoded/Printed (Laser Engraved)	© IIII MIFARE SE M1H 12345 YYYYYYYYY XT
☐ B - Sequential Encoded/Sequential Non-Matching Printed (Lase	r Engraved)
☐ C - Random Encoded/Non-Matching Sequential Printed (Laser I	Engraved)
☐ Z - Reversed UID (CSN) Decimal card numbering only (Laser En	graved)



e option)									
is card can k	e slotted verti	ically, Printed	Vertical S	ot Indic	ators				
h									
d Numberi	ng³ (Select o	one option)							
ing Encodec	/Printed (Inkje	etted)							
Numbering									
ed/Sequenti	al Non-Matchir	ng Printed (Inl	kjetted)						
/Non-Match	ing Sequential	l Printed (Inkje	etted)						
ng Encoded	/Printed (Engi	raved)							
ed/Sequenti	al Non-Matchii	ng Printed (Er	ngraved)						
/Non-Match	ing Sequential	l Printed (Eng	raved)						
ork ¹									
mber - Refer	to the Custom	n Artwork forn	ns for nev	artwor	k)				
ons from ch	eck boxes abo	ve. Example: 3	3506PGGI	NS					
			N			-		(Option	ns #)
							1	_	
gramming	Information	 າ							
		Value	QTY	•	Encoded Start Number			Encoded Stop Num	ber
Facility	Code								
			_						
					Printed	l Start N	umber	Printed Stop Numb	er
ble to base	parts 1431, 14	41, 1437, or 14	147						
mming In	formation								
Field N	ama(s) a a	Value	OTY	,	Encode	ad Start	Number	Encoded Stop Num	hor
		value	G I		Elicou	eu Start	Number	Elicoded Stop Nulli	Dei
					Printed	Start N	umber	Printed Stop Number	er
	•						•		sales
olaced in the b	ottom right-han	d corner on the	back of the	e card.					
	_				nificant bv	te).			
	,	,	ŕ			•	these card	ls.	
		-	,,,,,						
			ate applied						
	is card can be he will be a number is end within the be emission of the care o	is card can be slotted verth Id Numbering (Select of ing Encoded/Printed (Inkjet) Numbering (Inkjet) Index (In	is card can be slotted vertically, Printed h Ind Numbering (Select one option) Image (Ind Printed (Inkjetted)) Image (Inkjetted) Image (I	is card can be slotted vertically, Printed Vertical SI h In a d Numbering (Select one option) Ing Encoded/Printed (Inkjetted) Ing Encoded/Printed (Inkjetted) Ing Encoded/Printed (Inkjetted) Ing Encoded/Printed (Engraved) Ing Encoded/Printed (Inkjetted) Ing Encoded/Inkjetted) Ing Encoded/Inkjetted) Ing Encoded/Inkjetted) Ing Encoded/Ing E	is card can be slotted vertically, Printed Vertical Slot Indic In	is card can be slotted vertically, Printed Vertical Slot Indicators in a Canada Numbering (Select one option) (Ing Encoded/Printed (Inkjetted) (Inkjet	is card can be slotted vertically, Printed Vertical Slot Indicators in Ind Numbering3 (Select one option) Ing Encoded/Printed (Inkjetted) Numbering ed/Sequential Non-Matching Printed (Inkjetted) I/Non-Matching Sequential Printed (Inkjetted) Ing Encoded/Printed (Engraved) ed/Sequential Non-Matching Printed (Engraved) I/Non-Matching Sequential Printed (Engraved) I/Non-Matching Seq	is card can be slotted vertically, Printed Vertical Slot Indicators in d Numbering³ (Select one option) ing Encoded/Printed (Inkjetted) sumbering add/Sequential Non-Matching Printed (Inkjetted) printed (Inkjetted) ing Encoded/Printed (Engraved) printed (Engrav	is card can be slotted vertically, Printed Vertical Slot Indicators h d Numbering¹ (Select one option) ing Encoded/Printed (Inkjetted) Numbering ed/Sequential Non-Matching Printed (Inkjetted) ing Encoded/Printed (Engraved) //Non-Matching Sequential Printed Seguential Printed (Engraved) //Non-Matching Sequential Printed Seguential Printed S

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MIFARE Classic Keyfob - 1434 / 1444

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

Base Model	☐ 1434 (1K)		□ 1444 (4K)			
Programming (Select or M - Programmed with H N - Unprogrammed MIF S - Custom Programmed	IID MIFARE ³ access contr ARE Classic						
Front Packaging (Select S - Standard HID Artwo C - Custom Artwork - S Back Packaging S - Standard	rk	lumber ¹				H	
Key Numbering¹ (Select M - Sequential Matching N - No Printed Card Num S - Sequential Encoded, R - Random Encoded/N A - Sequential Matching B - Sequential Encoded C - Random Encoded/N Slot Punch² N - None	g Encoded/Printed (Inkje mbering /Sequential Non-Matchin Ion-Matching Sequential g Encoded/Printed (Laser /Sequential Non-Matchin	g Printed (Ink Printed (Inkjel r Engraved) g Printed (Las	tted) ⁴ ser Engraved)				
Enter your final Key options Final Part Number	s from check boxes above	e. Example: 14	34NSSNN	s			N
13.56 MHz Card Progra	amming Information	ı					
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Sta	rt Number	Encode	ed Stop Number
				Printed Start	Number	Printed	Stop Number
¹ The Printed key number is place	ed on the back of the key						
The Fillited key number is place	ed on the back of the key.						

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

³Includes a permanent Unique MIFARE 32 Bit Serial number.

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



MIFARE Classic Adhesive Tag - 1435

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

Base Model	☐ 1435 (1K)						
N - Unprogrammed MIF	IID MIFARE ⁶ access contro		required				
Front Packaging (Selection S - Standard HID Artwork - S		umber ¹				mifare	9.
Back Packaging S - Standard							
Tag Numbering¹ (Select M - Sequential Matching N - No Printed Card Nu S - Sequential Encoded R - Random Encoded/N Slot Punch² N - None Enter your final Tag options	g Encoded/Printed (Inkjet mbering /Sequential Non-Matching Non-Matching Sequential F	g Printed (Inkje Printed (Inkjett	red)				
Final Part Number				S			N
13.56 MHz Card Progra	-						
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Star	t Number	Encoded	d Stop Number
				Printed Start I	Museele est	Drinted	Stan Number
				Printed Start i	Number	Printed	Stop Number
¹ The Printed tag number is place to a black release paper. Please ² For new artwork files, contact of ³ The Tag is not for use on cards ⁴ Includes a permanent Unique M	e consult your sales Account N Customer Service for custom that use full insertion or tract	danager for mor artwork number	e information. lead-times, mi	03			vhite release paper

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

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

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



CP1000 iCLASS SE Encoder

iCLASS SE Encoder Summary

The iCLASS SE Encoder Platform for encoding contactless credentials is:

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

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

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

iCLASS SE Encoder - How Does it Work?

The iCLASS SE Encoder solution is made up of following components:

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

iCLASS SE Encoder Ordering Basics

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





Step 1: Hardware

Part Number: CP1000D

Contains:

- USB Desktop Encoder
- Installation Guide
- USB Flash Drive containing:
 - Asure ID CP1000 Desktop Application
 - 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 (<u>included by default</u> 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	iCLASS Seos Credential - Access Control
30	CRDT-D5	iCLASS 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 EV1 Credential - Access Control (SIO)
500,000	CRDT-C5	HID MIFARE DESFire EV1 Credential - Custom Data
100,000	CRDT-G5	Third Party MIFARE DESFire EV1 Credential - Custom Data
30	CRDT-J0	Configuration Card Generation

Formats Included	
Format	Description
H10301	26-bit (Facility code range 0-255, ID range 0-65535)

Sample Cards Included	Sample Cards Included					
Quantity	Part Number	Description				
2	1386NGGNB	HID Prox				
2	2000CGGNN and 2003CGGNN	iCLASS 2k and 32k				
2	3000VGGNN and 3003VGGNN	iCLASS SE 2k and 32k				
3	5005VGGNN	iCLASS 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	Кеу Туре	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	Кеу Туре	Programming	Credit Part Number	Chargeable?
MIFARE CLASSIC (V Type)	Standard	SIO*	CRDT-B3	NO
MIFARE CLASSIC (V Type)	HID Elite1	SIO*	CRDT-B4	YES
MIFARE CLASSIC (V Type)	Standard	HID MIFARE	CRDT-B0	NO
MIFARE CLASSIC (V Type)	N/A	Custom Data	CRDT-B5	NO
MIFARE CLASSIC/ SIO for MIFARE CLASSIC	Key Rolling	N/A	CRDT-B6	NO

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

125 kHz Technology	Key Type	Programming	Credit Part Number	Chargeable?
HID Prox	N/A	Standard	CRDT-K0	NO

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

^{*}Use encoder reader "V" type credentials only for SIO programming. Use of HID non-programmed MIFARE DESfire cards will consume a chargeable third party credit.

Configuration Card	Key Type	Programming	Credit Part Number	Chargeable?
SE Reader Configuration	N/A	Configuration Data	CRDT-J0	NO

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

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.

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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	ber 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

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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 and keysets for an existing encoder]			
Serial Number (found on underside of USB device or inside door/bottom of printer):			

Additional Credits		
Part Number	QTY	
CRDT-		

Additional Open, Tracked of OEM Formats ^{1,2} Note: A limit of 10,000 numbers per order applies to format H10302					
Part Number	Format Number	Field Names	Value	ID Start Number	QTY
FRMT-J1					
Part Number	Format Number	Field Names	Value	ID Start Number	QTY
FRMT-J1					
Part Number	Format Number	Field Names	Value	ID Start Number	QTY
FRMT-J1					

Additional Corporate 1000 Formats ^{3,4}			
Part Number	Format Number	Company ID Code	QTY
FRMT-J2			
FRMT-J2			
FRMT-J2			

Additional HID Elite Media Keysets⁵			
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			

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

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

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

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

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

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

 ■ 501 Composite 40% Polyester / PVC 60% Base Model iCLASS Memory Size and Allocation ■ 5 - 16K Bytes Front Packaging ■ 6 - 8K Bytes Optional Contact Smart Contact chip Chip Module **Secure Identity Object Programming** (Front Only) not included □ P - Programmed with Security Identity Object (SIO) V - Unprogrammed, for use with iCLASS SE Encoder Front Packaging (Select one option) 3.370" (8.57 cm) ☐ **G** - Plain White with Gloss Finish SHARED 0.033" CARD C - Custom Artwork with Gloss Finish -**EDGE** (0.084 cm) Specify Custom Artwork 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 Optional Magnetic Stripe 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -(1/2" HICO/High Energy - 4000 Oe) Specify Custom Artwork Number¹ Y 12345 YYYYYYYYYYYY © HID iCLASS Seos JH Card Numbering³ (Select one option) Y = iCLASS Seos Programming ■ N - No External Card Numbering 12345 = Card ID Number ■ A - Sequential Matching Internal/External (Laser Engraved) YYYYYYYYY = Sales Order Number ☐ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) Sales Order is a variable length ☐ **C** - Random Internal/Non-Matching Sequential External (Laser Engraved) **Slot Punch** N - No Slot Punch Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 5015PGGNN **Final Part Number** 501 Ν (Options #)



iCLASS Seos Card Programming Information

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

Special Instructions:

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

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

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

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

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



Seos + Prox Embeddable Card - 511

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

Base Model ⊠ 511 Composite 40% P	olyester / PV(C
iCLASS Memory Size and Allocation		
☐ 5 - 16K Bytes		
☐ 6 - 8K Bytes	0 11 1	Front Packaging
	Optional Contact Smart	
Secure Identity Object Programming (Select one option)	Chip Module - (Front Only)	Contact chip not included
	(Front Only)	
R - Both interfaces programmed:iCLASS Seos with Security Identity Object (SIO),Prox programmed with HID format		3.370"
☐ V - Unprogrammed, for use with iCLASS SE Encoder		(8.57 cm) SHAF
	0.033"	CARI EDGI
Front Packaging (Select one option)	(0.084 cm)	EDGI
G - Plain White with Gloss Finish	-	
C - Custom Artwork with Gloss Finish -	†	
Specify Custom Artwork Number ¹		
		Back Packaging
Back Packaging (Select one option)	2.125" (5.4 cm)	
☐ G - Plain White with Gloss Finish²	(5.4 Cm)	
☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ¹		Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe)
☐ 1 - Plain White with Gloss Finish with Magnetic Stripe²	<u> </u>	© HID iCLASS Seos JH Y 12345 YYYYYYYYYYYY
☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -		
Specify Custom Artwork Number ¹		
		Y = iCLASS Seos Programming
13.56 MHz iCLASS Card Numbering ³ (Select one option)		12345 = Card ID Number
■ N - No External Card Numbering		YYYYYYYYY = Sales Order Number
☐ A - Sequential Matching Internal/External (Laser Engraved)		Sales Order is a variable length
☐ B - Sequential Internal/Sequential Non-Matching External (La	ser Engraved)	
☐ C - Random Internal/Non-Matching Sequential External (Lase	er Engraved)	
Slot Punch		
125 kHz Card Numbering ³ (Select one option)		
■ N - No External Card Numbering		
☐ A - Sequential Matching Internal/External (Laser Engraved)		
☐ B - Sequential Internal/Sequential Non-Matching External (La	ser Engraved)	
C - Random Internal/Non-Matching Sequential External (Lase	er Engraved)	
Option - Custom Artwork ¹		
Specify Artwork Number - Refer to the Custom	Artwork Forms for	or new Artwork)





Enter your final card options from check boxes above. Example: 5015PGGNN

|--|

QTY

QTY

iCLASS Seos Card Programming Information

Format Number (e.g. H10301)
Bit Numbers
(e.g. 26 bit)
ICE Number

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

Encoded Start Number	Encoded Stop Number
Printed Start Number	Printed Stop Number

125 kHz Programming Information

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

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

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

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

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

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



Embeddable iCLASS SE Credentials

iCLASS SE Embeddable Card - 301

These embeddable cards offer heightened security for installations that do not contain standard iCLASS credentials.

This card is SIO only, it is not loaded with standard data payload and for this reason is not compatible with non iCLASS SE readers.

Base Model	□ 3	01 Com	oosite 40	0% Polyes	ter / PVC	**				
iCLASS Memory Size and 0 - 2k Bits (256 Bytes) wi 3 - 32k Bits (4K Bytes) Ap 4 - 32k Bits (4K Bytes) Ap Secure Identity Object Pr P - Programmed with Sec V - Unprogrammed, for us	Allocation the 2 Application a	on (Check ation Areareas 16k/: areas 16k/ areas 16k/	(One) as 2+16k/1 16+16k/1 (SIO)	2.12 (5.4 c	5"		(Front Or	Contact rd Module		
Front Packaging (Select of G - Plain White with Gloss ☐ C - Custom Artwork with Specify Custom Artwork I	Finish ² Gloss Finis			0.033" (0.084 cm			3.370' (8.57 cr		•	SHARED CARD EDGE
Back Packaging (Select o G - Plain White with Gloss C - Custom Artwork with Specify Custom Artwork I 1 - Plain White with Gloss 3 - Custom Artwork with Specify Custom Artwork I	s Finish ² Gloss Finis Number ¹ Finish with Gloss Finis	h - n Magnetio		pe -		Note: 305	(1/2" HICO/F	aging image may ligh Energy -	4000 Oe	
Card Numbering³ (Select N - No External Card Num A - Sequential Matching II B - Sequential Internal/Se C - Random Internal/Non-	nbering nternal/Ext quential N	ternal (Las on-Matchi	ng Externa	al (Laser Eng	graved)	Y = iCLASS 12345 = Ca YYYYYYY	rd ID Num	-	umber	
Slot Punch ⁴ (Select one o N - No Slot Punch (Printer V - Vertical Slot Punch B - No Slot Punch - Horizo H - Horizontal Slot Punch	d location ontal Punc		·			nd Horizont	tal slot pun	nch will rem	nain)⁵	
Specify Artv	vork Numb					new Artw	ork)			
Enter your final card options Final Part Number	rrom the a	pove selec	ctions. Exa	mpie: 3014P	GGAN			-	(Op	tions #)



Special Instructions:

iCLASS Card Programming 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)					
ICE Number			1		

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

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

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

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

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

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



iCLASS SE + Prox Embeddable Card - 311

Maximized compatibility with added security into installations that DO contain standard Prox credentials.

This card is SIO only, it is not loaded with standard data payload and for this reason is not compatible with non iCLASS SE readers.

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

Base Model 311 Composite 40% Polyester / PVC*	
iCLASS Memory Size and Allocation (Select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Secure Identity Object Programming (Select one option) P - Programmed with Security Identity Object (SIO), Prox non programmed R - Both interfaces programmed: iCLASS with Security Identity Object (SIO), Prox programmed with HID format	Front Packaging Optional Contact Smart Card Module (Front Only) Module not included 3.370" (8.57 cm) SHARED CARD
Front Packaging (Select one option) G - Plain White with Gloss Finish -	EDGE
Specify Custom Artwork Number ¹	Back Packaging Note: 305 credential image may vary
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	Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) HID iCLASS SE Px Y 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
13.56 MHz iCLASS Card Numbering ³ (Select one option) N - No External Card Numbering	Y = iCLASS Programming 12345 = Card ID Number YYYYYYYYYYY = Sales Order Number
 ■ A - Sequential Matching Internal/External (Laser Engraved) ■ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) ■ C - Random Internal/Non-Matching Sequential External (Laser Engraved) 	
Slot Punch⁴ (Select one option) ☐ N - No Slot Punch (Printed location of vertical slot punch will remain) ☐ V - Vertical Slot Punch	
125 kHz Card Numbering³ (CSelect one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Non-Matching Sequential External (Laser Engraved) Option - Custom Artwork¹	

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





Enter your final card options from check boxes above. Example: 3114PGGNNN

Final Part Number	Р				-	(Options #)
i iliai i altitullisti		l				(0)0110110117

QTY

QTY

iCLASS Card Programming Information

Format Number (e.g. H10301)
Dit Novel our
Bit Numbers (e.g. 26 bit)
_
ICE Number

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

Encoded Start Number	Encoded Stop Number
Printed Start Number	Printed Stop Number

125 kHz Card Programming Information

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

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

Encoded Start Number	Encoded Stop Number
Printed Start Number	Printed Stop Number

Special Instructions:

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

²Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo 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.

⁴Cards 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

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% Pol	lyester / PVC*		
iCLASS Memory Size and 0 - 2k Bits (256 Bytes) wi (only available with MIFA 3 - 32k Bits (4K Bytes) Ap 4 - 32k Bits (4K Bytes) Ap	ARE CLASSIC 1K) oplication areas 16k/2+16k/1	2.125" (5.4 cm)	Front Packaging Optional Contact Smart Card Module (Front Only)	
2 nd Technology programm P - iCLASS programmed v	with Secure Identity Object (SIO), ned with Secure Identity Object (SIO). with Secure Identity Object (SIO), nmed for use with iCLASS SE encoder	0.033" (0.084 cm)	Module not included 3.370" (8.57 cm)	SHARED CARD EDGE
 K - iCLASS programmed value 2nd Technology programmer or custom MIFARE Classic A - iCLASS unprogrammer 2nd Technology programmer 2nd Technology unprogrammer 2nd Technology unprogrammer (HID MIFARE or custom et al. V - iCLASS unprogrammer 2nd Technology un	with Secure Identity Object (SIO), ned with HID MIFARE Classic (option M or N 2nd HF only). Red for use with iCLASS SE Encoder, ned with Secure Identity Object (SIO). Red for use with iCLASS SE Encoder, need for use With iCLASS SE encoder (need in the content of the content		Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) IIID iCLASS 12345 12345 YYYYYYYY-YY 125 KHz# iCLASS#	<u> </u>
_	ology (Select one option) y available with iCLASS 2k bits) BK Bytes		12345 = Card ID Number YYYYYYYYY = Sales Order Number	
Front Packaging (Select of G - Plain White with Gloss C - Custom Artwork with		Number ¹		
1 - Plain White with Gloss	s Finish ² Gloss Finish – Specify Custom Artwork		vork Number¹	

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iCLASS Card Numberi	ing³ (Sel	ect one	option)							
■ N - No External Card	Numberir	ng									
🗌 A - Sequential Matchi	ng Intern	al/Extern	nal (Lase	r Engrave	d)						
☐ B - Sequential Interna	al/Sequen	tial Non-	Matching	g External	(Lase	r Engraved)					
C - Random Internal/	Non-Matc	ching Sec	quential E	External (I	Laser l	Engraved)					
Slot Punch											
IMPORTANT - Dual Hi	gh Frequ	uency c	redenti	als do no	t allo	w a slot pu	nch due	to the ai	ntenna d	esign. U	se a badge
holder to attach this o	ard to a	lanyard	or bac	lge clip.							
🛛 N - No Slot Punch											
2 nd High Frequency Te	chnolog	ıv Card	Numbe	ring³ (Ch	eck (One)					
■ N - No External Card				5 (1		•					
🗌 A - Sequential Matchi			nal (Lase	r Engrave	d)						
■ B - Sequential Interna						r Engraved)					
☐ W - UID (CSN) HEX n						ga.voa,					
X - UID (CSN) Decima	_			•		.4					
X - OID (C3N) Decline	ai iiuiiibei	ing only	(Eligiavi	eu). 7 byti	es OID	'					
O	1										
Option - Custom Artw		Niconalaav	Dofort	a tha Cuat		struckle Forms	for nour A	الماسمين			
(Specify	Artwork	Number -	- Reier to	o the Cust	.OIII AI	rtwork Forms	s for new A	rtwork)			
Enter your final card opti	ons from	check bo	oxes abo	ve. Examp	ole: 39	24PNGGANN	1				
Final Part Number	392							N		-	(Options #)
		1	1		ļ.		1				
iCLASS Programmin	a Inform	mation									
	19 1111011	Hation									
Format Number	Field	Name(s)	Valu	e	QTY	Enco	ded Start	Number	Encode	d Stop Number
(e.g. H10301)		acility C									·
Bit Numbers							Printe	d Start N	lumber	Printed	Stop Number
(e.g. 26 bit)											
ICE Number											
ICE Number											
2 nd 13.56 MHz Progra	amming	Inform	ation								
	1 [, ,				
Format Number		Name(s		Valu	е	QTY	Encod	ded Start	Number	Encode	d Stop Number
(e.g. H10301)	e.g. F	acility C	ode								
Bit Numbers							Printe	d Start N	lumber	Printed	Stop Number
(e.g. 26 bit)											
ICE Number											
	ı										
Special Instructions:											



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

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

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

⁴MIFARE Classic UID length is by default 4 bytes, 7 bytes for MIFARE DESFire EV1.

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

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iCLASS SE + Other 13.56MHz + Prox Embeddable Card - 397

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

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

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

Base Model	☐ 397 Composite 40% Pol	yester / PVC	*	
iCLASS Memory Size	e and Allocation (Select one option)			
☐ 0 - 2k Bits (256 Byt	es) with 2 Application Areas MIFARE CLASSIC 1K)	1	Front Packaging	
	res) Application areas 16k/2+16k/1	2.125"	Optional Contact Smart Card Module	
		(5.4 cm)	[[[]] (Front Only)	
	gy Card Programming (Select one option	on)	Module not included	
	nmed with Secure Identity Object (SIO), grammed with Secure Identity Object (SIO).	<u> </u>	3.370"	<u> </u>
	nmed with Secure Identity Object (SIO), rogrammed for use with iCLASS SE encoder stom encoding).	0.033" (0.084 cm)	(8.57 cm)	SHARED CARD EDGE
, -	rammed for use with iCLASS SE Encoder, grammed with Secure Identity Object (SIO).	I		<u> </u>
2 nd Technology unp	rammed for use with iCLASS SE Encoder, rogrammed for use with iCLASS SE encoder r custom encoding).		Back Packaging	
_	(13.56 MHz) Technology (Select one op es (only available with iCLASS 2k bits) es	tion)	Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) IIID ICLASS 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	
K - MIFARE DESFire	e EV1 8K Bytes		125 KHz# <i>iCLASS</i> #	
	Card Programming (Select one option) rammed 125 kHz Technology.)	12345 = Card ID Number	
☐ C - "Indala/Casi Pro Specify Programmin	x" Programmed 125 kHz Technology. ng Information.		YYYYYYYYY = Sales Order Number	
N - Initialized 125 kl Programming Inform	Hz Technology. mation Not Required.			
Front Packaging (Se				
_	with Gloss Finish - Specify Custom Artwork	Number ¹		
Back Packaging (Sel				
C - Custom Artwork	with Gloss Finish - Specify Custom Artwork	Number ¹		
_	Gloss Finish with Magnetic Stripe ²			
3 - Custom Artwork	with Gloss Finish with Magnetic Stripe - Spe	cify Custom Arty	work Number¹	

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iCLASS Card Number			option))								
■ N - No External Card	Number	ing										
☐ A - Sequential Match	ing Inter	nal/Extern	nal (Laser	Engrave	d)							
☐ B - Sequential Interna	al/Seque	ntial Non-	Matching	External	(Laser	Engraved	1)					
C - Random Internal/	Non-Mat	ching Sec	quential E	xternal (L	aser Er	ngraved)						
Slot Punch												
IMPORTANT - Dual Hi	gh Fred	quency c	redentia	ils do no	t allow	a slot p	ounc	h due t	to the a	ntenna d	esign. U	se a badge
holder to attach this o	ard to	a lanyarc	d or bad	ge clip.								
X N - No Slot Punch												
2 nd High Frequency Te	chnolo	gy Card	Number	ing³ (Se	lect on	ne optio	n)					
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	Number	ing										
🔲 A - Sequential Match	ing Inter	nal/Exterr	nal (Laser	Engrave	d)							
☐ B - Sequential Interna	al/Seque	ntial Non-	Matching	External	(Laser	Engraved	d)					
C - Random Internal/	Non-Mat	ching Sec	quential E	xternal (L	aser Er	ngraved)						
☐ W - UID (CSN) HEX r	numberin	g only (Ei	ngraved):	7 bytes l	JID ⁴							
X - UID (CSN) Decim	al numbe	ering only	(Engrave	d): 7 byte	es UID ⁴							
125 kHz Card Number	ing³ (Se	elect one	option)								
■ N - No External Card	Number	ing										
☐ A - Sequential Match	ing Inter	nal/Exterr	nal (Laser	Engrave	d)							
☐ B - Sequential Interna	al/Seque	ntial Non-	Matching	External	(Laser	Engraved	1)					
C - Random Internal/	Non-Mat	ching Sec	quential E	xternal (L	aser Er	ngraved)						
Option - Custom Artw	ork ¹											
		Number -	- Refer to	the Cust	om Artı	work Forr	ns fo	r new A	rtwork)			
Enter your final card opti	ons fron	າ check bo	oxes abov	e. Examp	le: 3974	IPNPGGN	INNA					
Final Part Number									N		_	(Options #)
												(-)
iCLASS Programmir	ng Info	mation										
Format Number (e.g. H10301)		d Name(s Facility C		Value	9	QTY		Encod	led Start	Number	Encode	d Stop Number
, , , , , , , , , , , , , , , , , , ,												
Bit Numbers								Printe	d Start N	lumber	Printed	Stop Number
(e.g. 26 bit)												
											1	
ICE Number												
]											

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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
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 Nun
Bit Numbers (e.g. 26 bit)				Printed Start Number	Printed Stop Numb
ICE Number					

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

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²Cards 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.

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

 $^{^4\}text{MIFARE}$ 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.

(Options #)



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.

■ 211 Composite 40% Polyester / PVC* Base Model iCLASS Memory Size and Allocation (Select one option) O - 2k Bits (256 Bytes) with 2 Application Areas 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 Front Packaging Optional 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Contact Smart Contact chip Chip Module (Front Only) not included Programming (Select one option) ☐ HP - Programmed with Security Identity Object (SIO) and standard iCLASS Access Control Application (Recommended)¹ C - Configured, Non-Programmed iCLASS. 3.370' Programming Information Not Required (8.57 cm) SHARED □ P - Programmed iCLASS. Specify Programming Information 0.033 CARD **EDGE** (0.084 cm) Front Packaging (Select one option) G - Plain White with Gloss Finish ■ C - Custom Artwork/Contact Module with Gloss Finish -**Back Packaging** Specify Custom Artwork/Contact Module Number¹ 2.125" (5.4 cm)**Back Packaging (Select one option)** Optional Magnetic Stripe ☐ **G** - Plain White with Gloss Finish² (1/2" HICO/High Energy - 4000 Oe) C - Custom Artwork with Gloss Finish -12345 YYYYYYYYYYY Specify Custom Artwork Number¹ ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -12345 = Card ID Number Specify Custom Artwork Number¹ YYYYYYYYY = Sales Order Number Card Numbering³ (Select one option) ■ N - No External Card Numbering ☐ A - Sequential Matching Internal/External (Engraved) ☐ **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Non-Matching Sequential External (Laser Engraved) Slot 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

211

Final Part Number



Special Instructions:

iCLASS 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				Printed Start Number	Printed Stop Number
(e.g. 26 bit)					
PIN: Sequential: Start	# Random	: Length			

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

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

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

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

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

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



iCLASS + Prox Embeddable Card - 213

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

Base Model	☑ 213 Composite 40% Pol	yester / PVC*		
_	nd Allocation (Select one option)			`
_	with 2 Application Areas Application areas 16k/2+16k/1		Front Packaging	
	Application areas 16k/16+16k/1	Optional Contact Smart Chip Module - (Front Only)	Contact chip not included.	
Programming (Select o	ne option)			
_	Security Identity Object (SIO), access control application,		3.370"	<u> </u>
and standard iCLASS a	Security Identity Object (SIO), access control application, vith HID Prox or Indala format.	0.033" (0.084 cm)	(8.57 cm)	SHARED CARD EDGE
~	standard iCLASS access control application	A		∫
_	ed with HID Prox or Indala format, iCLASS dard access control application.		Back Packaging	
	med, for use with iCLASS SE Encoder, ed for use with iCLASS SE Encoder	2.125" (5.4 cm)	0	
	med, for use with iCLASS SE Encoder, with HID Prox or Indala format.		Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe)	
M - iCLASS Programme	ed, HITAG2 blank.	<u> </u>	HID iCLASS 12345 12345 YYYYYYYYYYYY)
☐ I - iCLASS configured f	ield programmable, HITAG2 blank.		125 KHz# <i>iCLASS</i> #	
Front Packaging (Selection G - Plain White with Gl	- · · · · · · · · · · · · · · · · · · ·		12345 = Card ID Number	
	ontact Module with Gloss Finish – rk/Contact Module Number¹		YYYYYYYYYY = Sales Order Number	
Back Packaging (Selec	t one option)			
G - Plain White with Gl	oss Finish²			
C - Custom Artwork wi	th Gloss Finish - Specify Custom Artwork	: Number¹		
	oss Finish with Magnetic Stripe ²			
3 - Custom Artwork wi Specify Custom Artwo	th Gloss Finish with Magnetic Stripe - rk Number ¹			
iCLASS Card Numberin ☐ N - No External Card N				
🗌 A - Sequential Matchin	g Internal/External (Laser Engraved)			
☐ B - Sequential Internal/	Sequential Non-Matching External (Laser	Engraved)		
C - Random Internal/N	on-Matching Sequential External (Laser E	ngraved)		
Slot Punch⁴				
_	nted location of vertical slot punch will re	main)		



125 kHz Card Number									
N - No External Card									
A - Sequential Match									
☐ B - Sequential Intern	al/Sequenti	al Non-Matchin	g External (Laser	Engraved))				
C - Random Internal	/Non-Match	ning Sequential	External (Laser E	ingraved)					
Option - Custom Arty									
[Specify	/ Artwork N	umber - Refer t	to the Custom Art	twork Form	ns for ne	w Artw	ork)		
Enter your final card opt	ions from c	heck boxes abo	ve. Example: 213	3CGGNNN					
Final Part Number	213							-	(Options #)
iCLASS Programmii	ng Inform	nation							
								I	
Format Number (e.g. H10301)		Name(s) scility Code	Value	QTY	Er	ncoded	Start Number	Encoded Stop Number	
(0.9.1110001)									
Bit Numbers					Pr	inted S	tart Number	Printed Sto	on Number
(e.g. 26 bit)									, pridinger
PIN: Sequential: Star	′t#		n: Length						
125 kHz Programmi	na Inform	nation							
= 125 KHZ I TOGICHIIIII	119 11110111								
Format Number	Field I	Name(s)	Value	QTY	Er	ncoded	Start Number	Encoded S	top Number
(e.g. H10301)	e.g. Fa	cility Code							
Bit Numbers					Pr	inted S	tart Number	Printed Sto	p Number
(e.g. 26 bit)									
Special Instructions:									
Special Histractions.									

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

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

²Cards 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.

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

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

⁵Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 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.

Base Model		olyester / PVC	2*	
		with MIFARE CI	LASSIC 1K)	
	, , , , , , , , , , , , , , , , , , , ,	†	Front Packaging)
and iCLASS standard access	h Security Identity Object (SIO)	2.125" (5.4 cm)	Optional Contact Smart Card Module (Front Only)	
			Module not included	
■ B - iCLASS programmed wit control application, 2 nd Tech HID MIFARE (MIFARE Classi		0.033" (0.084 cm)	3.370" (8.57 cm)	SHAREI CARD EDGE
☐ P - iCLASS programmed wit control application, 2 nd Tech		(6.66) (6.11)		\searrow
C - Unprogrammed iCLASS, Non-programmed 2 nd Techn	for use with iCLASS SE Encoder, ology.		Back Packaging	
 ■ A - iCLASS unprogrammed, 2nd Technology programmed (MIFARE Classic) or custom 			Note: Illustrated marking is for DESFire cards. MIFARE Classic cards indicate MIFARE	
2 nd High Frequency Technol	ogy (Select one option) (only available with iCLASS 2k bit	rs)	Optional Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) IIID ICLASS 12345 12345 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	
■ N - MIFARE 4K Bytes			 125 KHz# <i>iCLASS</i> #	
☐ K - MIFARE DESFire EV1 8K	Bytes			
Front Packaging (Select on	inish			
C - Custom Artwork with Glo	oss Finish - Specify Custom Artwor	k Number¹		
Back Packaging (Select one G - Plain White with Gloss F	· · · · · · · · · · · · · · · · ·			
C - Custom Artwork with Gl	oss Finish - Specify Custom Artwor	k Number¹		
1 - Plain White with Gloss Fin	nish with Magnetic Stripe²			
3 - Custom Artwork with Glo Specify Custom Artwork Nu	oss Finish with Magnetic Stripe - mber¹			
iCLASS Card Numbering ³ (S				
N - No External Card Number				
	ernal/External (Laser Engraved)	or Engraved		
_	ential Non-Matching External (Lase atching Sequential External (Laser			
☐ C - Kandom mternal/Non-M	atening sequential External (Laser)	Engraved)		



Slot Punch

Bit Numbers (e.g. 26 bit)

Special Instructions:

X N - No Slot Punch.										-				
2nd High Frequency Ted N - No External Card N A - Sequential Matchin B - Sequential Internal C - Random Internal/N Option - Custom Artwo	Num ng In I/Sed Non- ork ¹ Artw	bering nternal/Extended quential No Matching S work Number	ernal (La on-Match Sequentia er - Refei	iser Engrav ing External al External r to the Cu	ed) al (Las Laser stom <i>A</i>	ser E Eng	ngraved raved) ork Forn) ns fo	r new Ar	twork)				
Final Part Number 2	43									N			-	(Options #)
iCLASS Programmin		nformatio		Val	ue		QTY		Fncod	ed Start	Num	ber	Encode	d Stop Number
(e.g. H10301)		e.g. Facility		•	u c				Liicou	cu otar	· Hair	.bci	Liicoaci	Josephaniber
Bit Numbers	\vdash					l			Printed	d Start I	Numb	er	Printed	Stop Number
(e.g. 26 bit)														
ICE Number PIN: Sequential: Starts	#	[Rando	om: Length	1									
2 nd 13.56 MHz Progra	mm	ning Info	mation	<u> </u>										
				-										
Format Number (e.g. H10301)		Field Name e.g. Facility		Val	ue		QTY		Encod	ed Start	Num	ber	Encode	d Stop Number

IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design.

HID recommends using a badge holder to attach this card to a lanyard or badge clip.

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

Printed Start Number

Printed Stop Number

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²Cards 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.

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

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



iCLASS + Other 13.56 MHz + Prox Embeddable Card - 263

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

Base Model	図 263 Composite 40% Po	lyester / PVC	*		
0 - 2k Bits (256 Bytes)	nd Allocation (Select one option) with 2 Application Areas (only available	with MIFARE CI	ASSIC 1K)		
	Application areas 16k/2+16k/1				
4 - 32k Bits (4k Bytes)) Application areas 16k/16+16k/1	1	Front Pa	ckaging)
and iCLASS standard a	elect one option) ed with Security Identity Object (SIO) access control application, mmed with Security Identity Object (SIO).	2.125" (5.4 cm)		al Contact Card Module Only)	
	ed with Security Identity Object (SIO) access control application, rammed.	<u> </u>	Module no	t included	
and iCLASS standard a 2 nd Technology progra	ed with Secure Identity Object (SIO) access control application, mmed with HID MIFARE ustom (MIFARE DESfire).	0.033" (0.084 cm)	3.37 (8.57		SHARED CARD EDGE
control application, 2 nd	ed with iCLASS standard access ¹ Technology programmed ARE Classic) or custom (MIFARE DESfire)		Back Pac	ckaging	
	ed with iCLASS standard access Technology unprogrammed.		Note: Illustrated markin MIFARE Classic card	•	
C - iCLASS unprogram 2 nd Technology unprog	med, for use with iCLASS SE Encoder, grammed.		Optional Mag	netic Stripe	!
☐ A - iCLASS unprogram 2 nd Technology progra	nmed, for use with iCLASS SE Encoder, mmed with HID MIFARE ustom (MIFARE DESfire).		(1/2" HICO/High E	12345 YYYYYYYYYYY # iCLASS #	,
_	chnology (Select one option) Bytes (only available with iCLASS 2k bits)				
■ N - MIFARE 4K Bytes					
	V1 8K Bytes				
3rd Low Frequency Tec P - Programmed with	hnology (Select one option) HID Prox or Indala format				
C - Programmed with	Indala CX (Casi Prox)				
■ N - Unprogrammed HI	D Prox, for use with iCLASS SE Encoder				
Front Packaging (Selec	-				
G - Plain White with G		N 1 1			
□ C - Custom Artwork w	ith Gloss Finish - Specify Custom Artwork	Number'			



(e.g. 26 bit) ICE Number														
(e.g. 26 bit)														
Bit Numbers										Print	ea star	Number	Printed St	op Number
Dit Numbers							_ [Drint	ed Star	t Number	Drintad St	on Number
Format Number (e.g. H10301)			Name(s acility C		V	alue		QTY	,	Enco	ded Sta	art Number	Encoded S	Stop Number
iCLASS 13.56 MI	Iz Pro	gramr	ning Ir	nforma	tion									
Final Part Number	263				Р					N			-	(Options #)
Enter your final card	l option:	s from t	he abov	/e select	ions. Ex	kample:	2634	4JNP	GGANN	IN	T		1	
Option - Custom			lumber :	- Refer t	o the C	ustom /	٩rtw	ork F	orms fo	or new A	Artwork	<)		
C - Random Inte														
■ A - Sequential M■ B - Sequential In							ser E	ngra\	/ed)					
N - No External	Card Nu	mberin	g						,					
3 rd High Frequenc	v Tech	nology	/ Card	Numbe	rina³ (Select	one	opt	ion)					
C - Random Inte														
■ A - Sequential M■ B - Sequential In	-		•		_	-	ser E	narav	ved)					
N - No External	Card Nu	mberin	g				-		,					
2 nd High Frequenc	v Tech	nolog	v Card	Numbe	rina³ (Select	one	opt	ion)					
🛛 N - No Slot Pund	:h.													
HID recommends	_	-	-						-				g	
Slot Punch IMPORTANT: Dua	l Hiah I	Freque	ency cr	edentia	ıls do ı	not allo	w a	slot	punch	n due t	o the a	antenna de	sian.	
C - Random inte	rnai/ivo	n-Matci	ning sec	quentiai	Externa	ai (Lasei	ENG	grave	u)					
■ B - Sequential In■ C - Random Inte					_			_						
A - Sequential M							_							
N - No External	Card Nu	mberin	g											
iCLASS Card Nun	herina	اء (حماد	act one	ontion										
3 - Custom Artw	ork with	n Gloss	Finish w	ith Mag	netic S	ripe - S	peci	fy Cu	stom A	rtwork	Numbe	r ¹		
☐ 1 - Plain White w	ith Glos	s Finish	with M	agnetic :	Stripe ²									
C - Custom Artw	ork with	h Gloss	Finish -	Specify	Custor	n Artwo	ork N	lumbe	er¹					
G - Plain White \	vith Glo	ss Finis	h '											



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				Printed Start Number	Printed Stop Number
(e.g. 26 bit)					

Special Instructions:

125 kHz Card Programming Information

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

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

QTY	Encoded Start Number	Encoded Stop Number
	Printed Start Number	Printed Stop Number

Special Instructions:	

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

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

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 Con	nposite 4	40% F	olyester / PV	′C*			
Programming (Select L - Programmed, Low Specify Programming N - Non-Programmed Programming Information	v Fr g Info l, Lo	equency ormatio w Frequ	/ (125 kHz). n. uency (125 kH	łz).		Reserved for Contact Smar Chip Module (Embed or Front Only)	t n	Front Packa Contact c not includ	chip	
Front Packaging (Sele G - Plain White with C C - Custom Artwork v Specify Custom Artw	Glos: with	s Finish Gloss F	inish -			0.033"		3.370" (8.57 cm		SHAREL
Back Packaging (Selection of G - Plain White PVC volume C - Custom Artwork volume Specify Custom Artwork volume Control of Control o	vith vith	Gloss F Gloss F	inish² inish –			(0.084 cm)				EDGE
Card Numbering³ (Sel N - No External Card A - Sequential Matchi B - Sequential Internal C - Random Internal	Nun ing I al/Se	nbering nternal/ equentia	External (En	ing Extern			ню	Back Packa	aging 2345 YYYYYYY	- <u>vy</u>
Slot Punch⁴ ☐ N - No Slot Punch (Pr ☐ V - Vertical Slot Punc		d locati	on of vertical	slot punc	h will re	emain)		= Card ID Numb		ber
	Artı	work Nu				rtwork Forms fo	r new Artw	vork)		
Enter your final card opti		from ch	eck boxes ab	ove. Exam	nple: 15	97LGGAN			-	(Options #)
				ı		l .				
125 kHz Card Progra	mn	ning In	formation							
Format Number (e.g. H10301)		Field N e.g. Fac	ame(s) :ility Code	Val	ue	QTY	Encoded	Start Number	Encoded S	top Number
Bit Numbers (e.g. 26 bit)	-						Printed S	tart Number	Printed Sto	op Number
Special Instructions:										



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

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

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²Cards 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.

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

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

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



Smart DuoProx® II Card - 1598

smart chip module.

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

Base Model		⊠ 1598 C	omposit	e 40% l	Polyester / P\	/C*			
Programming (Selection L - Programmed, Los Specify Programming	ow Frequer	ncy (125 kHz)).						
N - Non-Programme Programming Inform	ed, Low Fre	equency (125	kHz).		Reserved for Contact Smart Chip Module (Embed on	Front Packaging Contact chip not included.			
Front Packaging (Se	Gloss Fini	sh			Front Only)				
C - Custom Artwork Specify Custom Art					0.033"	•	3.370" (8.57 cm)		SHARED CARD
Back Packaging (Sel		-			(0.084 cm)				EDGE
C - Custom Artwork Specify Custom Art					1	Ba	ack Packa	ging	
Card Numbering ³ (So N - No External Card					2.125" (5.4 cm)			99	
🗌 A - Sequential Matc	hing Intern	al/External (Engraved))		Magnetic Stripe (1/2" HICO/High	n Energy - 4000 Oe)	
☐ B - Sequential Inter	nal/Sequen	tial Non-Mat	ching Exte	ernal (Eng	graved)	HID	12	345 YYYYYYYY	
C - Random Interna	l/Non-Mato	ching Sequer	ntial Extern	nal (Engra	aved) <u>*</u>		1,2	343 1111111111	
Slot Punch ⁴ (Select on N - No Slot Punch (In V - Vertical Slot Punch)	Printed loc		cal slot pu	ınch will r	remain)	12345 = Card		er Order Number	
Option - Custom Art		Number - Re	fer to the	Custom A	Artwork Forms fo	r new Artwork)			
Enter your final card op		check boxes	above. Ex	kample: 15	598LGGAN				
Final Part Number	1598						-	(Optional Ar	twork #)
125 kHz Card Progr	amming	Information	on						
Format Number (e.g. H10301)				Value	QTY	Encoded Star	t Number	Encoded Stop	Number
Bit Numbers (e.g. 26 bit)						Printed Start	Number	Printed Stop N	umber
Special Instructions:	n salastica	contact ve	ır Dogios	al Salas D	- enresentativo S	tandard configu	ration dos	es not include a	contact

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

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

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

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

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

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Embeddable MIFARE Classic and MIFARE DESFire Credentials

MIFARE Embeddable Card - 345 / 1436 / 1446

Encompasses the industry's broadest range of open standard contactless smart card products. Provides the memory structure and capacity to store multiple applications on a single credential. All MIFARE Classic cards can be ordered with or without SIO encoding.

Use of a 1430, 1440, 1436, or 1446 for SIO encoding using the CP1000 will consume a chargeable credit.

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

MIFARE Classic cards with SIO en (Recommended)	ncoding	OR	MIFARE CI		ls <u>without</u> e 40% Polye		_		
3450 (1K) Composite 40% Polyest	er / PVC*				-				
3456 (4K) Composite Polyester 4	0% / PVC*		1446 (4K) Composite Polyester 40% / PVC*						
Programming* (Select one option	•	Programming (Select one option) M - Programmed HID MIFARE6 access control application							
☐ P - Programmed with Security Ide for MIFARE Classic		■ N - Unprogrammed MIFARE Classic for use with iCLASS SE Encoder (custom or HID)							
			S - Custo	, 0	nmed MIFAR	RE Classic, r	equires cus	stom	
*A marker is placed in sector 6 and will r	not be available for other	data							
Front Packaging (Select one opt If Custom Artwork is desired, specify E - Contact Module Embeddable F	Custom Artwork Number		2.125" (5.4 cm)		Smart C	ckaging al Contact Card Modul or Back sid			
Back Packaging (Select one opti ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish w	·			Co	ntact chip	not includ	ed		
C - Custom Artwork with Gloss Fin Specify Custom Artwork Number ¹	,2			-	3.37 (8.57			SHARED CARD	
3 - Custom Artwork with Gloss Fin Magnetic Stripe Specify Custom A			0.033" 0.084 cm)					EDGE	
Card Numbering³ (Select one op Z - Reversed UID (CSN) Decimal of N - No External Card Numbering A - Sequential Matching Internal/E	ard numbering only (La External (Laser Engrave	d) ⁴			Back Pa	ckaging			
■ B - Sequential Internal/Sequential ■ C - Random Internal/Non-Matchin				Magnetic S	stripe 1/2" HICC)/High Energy	- 4000 Oe		
C Random Internal, Non Material	g sequential External (i	Laser L	ingravea)	HID		12345 YYYY	ryyyy-yy		
Slot Punch⁵ (Select one option) ☐ N - No Slot Punch (Printed locatio ☐ V - Vertical Slot Punch	n of vertical slot punch	will rer	main)		- Card ID Nu YYY-YY = Sa		Number		
Option - Custom Artwork ¹ (Specify Artwork Nur	nber - Refer to the Cust	tom Art	twork Forms	for new Art	work)				
Enter your final card options from che	eck boxes above. Examp	ole: 143	ONEGNN		T				
Final Part Number	E					-	(Optio	ons #)	

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

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

³The external card number is placed in the bottom right-hand corner on the back of the card on Prox Format Programming only. Permanent Unique MIFARE 32 Bit serial # cannot be printed on cards.

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

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

⁶Includes a permanent Unique MIFARE 32 Bit Serial number.

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



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.

MIFARE Classic + Prox card OR	MIFARE Classic + Prox card
with SIO encoding (Recommended)	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*
Programming* (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	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)
R - Programmed 13.56 MHz Security Identity Object (SIO) for MIFARE Classic, programmed 125 kHz with HID Prox or Indala format	
$\hfill \hfill $	■ B - Programmed 13.MHz with HID MIFARE6 access control application, programmed 125 kHz with HID Prox or Indala format
*A marker is placed in sector 6 and will not be available for other data	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

▼ E - Contact Module Embeddable Plain Gloss White Finish

Back Packaging (Select one option)

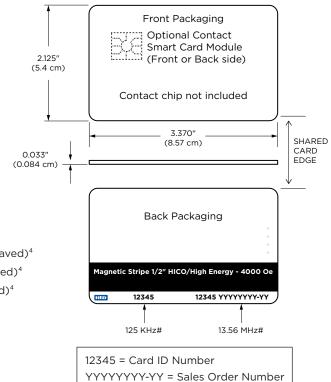
- ☐ **G** Plain White with Gloss Finish²
- 1 Plain White with Gloss Finish with Magnetic Stripe²
- 3 Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number^{1, 2}
- C Custom Artwork with Gloss Finish -Specify Custom Artwork Number^{1, 2}

13.56 MIFARE Card Numbering³ (Select one option)

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

Slot Punch⁵ (Select one option)

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





125 kHz Prox Card Num N - No External Card N	_	(Select o	ne opt	ion)						
A - Sequential Matchine	_	/Evtorpal /	(Lacor E	narayod)4						
■ B - Sequential Internal/	,		`	,	asor Engrav	od)4				
C - Random Internal/No			_	•	-	-				
C - Random internal/No	JII-Matcili	ng seque	IIIIdi EXI	erriai (Last	er Engraved	1)				
Option - Custom Artwo		ımber - Re	efer to th	ne Custom	Artwork Fo	orms fo	or new Artwor	k)		
Enter your final card option	ns from ch	neck boxe	s above.	Example:	1441NEGNN	IN				
Final Part Number			E						-	(Options #)
										-
13.56 MHz Programmi	ng Infor	mation								
				1					1	
Format Number (e.g. H10301)	Field N e.g. Fac	ame(s) cility Code	е	Value	QTY		Encoded St	art Number	Encod	ed Stop Number
Bit Numbers							Printed Sta	rt Number	Printe	d Stop Number
(e.g. 26 bit)										
125 kHz Programming	Informa	ation								
Format Number (e.g. H10301)	Field N e.g. Fac	ame(s) cility Code	e	Value	QTY		Encoded St	art Number	Encod	ed Stop Number
Bit Numbers							Printed Sta	rt Number	Printe	d Stop Number
(e.g. 26 bit)										
Special Instructions:										
For Contact Smart Chip se	lection. c	ontact vo	ur Regio	onal Sales	Representa	tive. St	tandard confi	guration do	es not in	clude a contact
smart chip module.	, -		. 3		•					
¹ For new artwork files, cont	act Custo	mer Servi	ce for cu	ustom artw	ork numbe	r, lead t	times, and cos	st.		
² Cards ordered with plain w	hite front	and back	packag	ing, with n	o HID artwo	ork or v	vith custom a	rtwork, will s	till have	a small HID logo
and reference number	printed in	the lower	r left-hai	nd corner a	and a slot p	unch ta	arget printed	on the back	of the ca	rd.

³The external card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Prox Programming only. Permanent unique MIFARE 32 Bit serial # cannot be printed on cards.

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

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

⁶Includes a permanent Unique MIFARE 32 Bit Serial number.

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

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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	g			OR (Card with	out SIO e	encoding					
3750 Composite 40% Pol	yester / P\	/C*		[] 1456 Co	mposite 40	% Polyester	/ PVC*				
MIFARE DESFire EV1 Men	nory Size				MIFARE DI	ESFire EV1	Memory S	Size				
☑ c - 8K Bytes MIFARE DES	Fire EV1			[▼ c - 8K B	ytes MIFAR	E DESFire E	V1				
Programming					Programm	ing (Selec	t one opti	on)				
	Identity O	bject (SIO) for	[■ N - Unprogrammed 13.56 MHz DESFire EV1 for use with iCLA SE Encoder (custom)							
∇ - Unprogrammed Secur DESFire EV1, for use with	-	•	-		□ S - Custom MIFARE DESfire EV1 programming - requires custom part number							
Front Packaging (Select	one optio	n)										
If Custom Artwork is desired,					1		Front Pa	ckaaina)		
specify Custom Artwork Num			Vhite Finish		2.125"		Optiona Smart C	al Contact Card Modu or Back sic				
Back Packaging (Select of G - Plain White with Gloss		1)			(5.4 cm)	C.	ontact chip	not includ	lod			
☐ 1 - Plain White with Gloss	Finish with	n Magnetic	: Stripe²				лиаст спір	not includ	leu			
C - Custom Artwork with Specify Custom Artwork		sh -			<u> </u>		3.37			/ 		
☐ 3 - Custom Artwork with Specify Custom Artwork		h with Ma	gnetic Strip	O.	.033" v		(8.57	cm)		CARD EDGE		
					Ţ					<u>, </u>		
Card Numbering³ (Select ☐ N - No External Card Num	=	on)					Back Pa	ckaging				
A - Sequential Matching I	nternal/Ex	ternal (Las	ser Engrave	d) ⁴			Backira	citagiiig	0			
☐ B - Sequential Internal/Se	equential N	on-Matchi	ng External	(Laser E	ngraved) ⁴				•			
C - Random Internal/Non	-Matching	Sequentia	l External (I	Laser En	graved)4				•			
Z - Reversed UID (CSN)	ecimal car	d number	ing only (La	ser Engr	raved) ⁴	Magnetic S	Stripe 1/2" HICC	D/High Energy	- 4000 Oe			
						HID		12345 YYY	YYYYY-YY _)		
Slot Punch ⁵ (Select one o	=	of vortical	مام سیسمام	معرمها النبيد	nin)							
N - No Slot Punch (PrinteV - Vertical Slot Punch	a location	oi verticai	siot punch	wiii rema	airi)							
☐ V - Vertical Slot Punch							= Card ID Nu YYY-YY = Sa		Numbor			
Option - Custom Artwork	1						111-11 - 3	ales Order i	Number			
Specify Arty		er - Refer	to the Cust	om Artw	ork Forms	for new Art	work)					
Enter your final card options	from checl	k boxes ab	ove. Examp	ole: 14560	CNEGNN							
Final Part Number	1456	С		E				-	(Opt	ions #)		



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

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

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

⁴Please update Format - Reference Page 112 from PACS HTOG PLT-02630. should show two columns of the base item and programming.

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

⁶Includes a permanent Unique MIFARE 56 Bit Serial number.



MIFARE DESFire + Prox Embeddable Card - 385 / 1457

Based on open global standards for security, and is interoperable with existing MIFARE DESFire infrastructures with the addition of Proximity technology for easier migration. All MIFARE DESFire EV1 cards can be order either with or without SIO encoding. Use of a1451 or 1457 for SIO encoding using the CP1000 will consume a chargeable credit.

Card with SIO encoding + Prox (Recommended) OR	Card without SIO encoding + Prox							
3850 Composite 40% Polyester / PVC*	☐ 1457 Composite 40% Polyester / PVC*							
MIFARE DESFire EV1 Memory Size	*HITAG based cards are not available with composite							
☑ C - 8K Bytes DESFire EV1	MIFARE DESFire EV1 Memory Size							
Programming (Select one option)	▼ C - 8K Bytes DESFire EV1							
☐ P - Programmed 13.56 MHz with Security Identity Object (SIO)	Programming (Select one option)							
for MIFARE DESFire EV1, unprogrammed 125 kHz HID Prox (for use with iCLASS SE Encoder)	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.							
V - Unprogrammed 13.56 MHz with Secure Identity object (SIO) for MIFARE DESFire EV1 for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HIDProx for use with iCLASS SE	■ S - Custom programmed 13.56 MHz DESFire EV1, unprogrammed HID Prox for iCLASS SE Encoder, custom part number required							
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 below ■ E - Contact Module Embeddable Plain Gloss White Finish Back Packaging (Select one option) ■ G - Plain White with Gloss Finish² ■ 1 - Plain White with Gloss Finish with Magnetic Stripe² ■ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹.² ■ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹.²	Front Packaging Optional Contact Smart Card Module (Front or Back side) Contact chip not included 3.370" (8.57 cm) SHARED CARD EDGE							
13.56 MIFARE DESFire Card Numbering³ (Select one option N - No External Card Numbering A - Sequential Matching Internal/External (Engraved)⁴ B - Sequential Internal/Sequential Non-Matching External (Engraved) C - Random Internal/Non-Matching Sequential External (Engraved) Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved) Slot Punch⁵ (Select one option) N - No Slot Punch (Printed location of vertical slot punch will remain the company of the punch of the pun	Back Packaging aved) ⁴ ed) ⁴ graved) ⁴ Magnetic Stripe 1/2" HICO/High Energy - 4000 Oe 12345 12345 YYYYYYYYYYYY							
	12345 = Card ID Number YYYYYYYY-YY = Sales Order Number							



125 kHz Prox Card Num	lumbering ig Internal/I /Sequential	External (Non-Mat	Engraved) ⁴ ching External (Er				
Option - Custom Artwo	Artwork Nui				s for new Artwork)		
Final Part Number	1457	C	E	I I I I I I I I I I I I I I I I I I I		-	(Options #)
13.56 MHz Programm	ing Infori	mation					
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	Printe	d Stop Number
						<u> </u>	
125 kHz Programming	g Informa	ition					
Format Number (e.g. H10301)	Field Na e.g. Fac	ame(s) ility Code	Value	QTY	Encoded Start Number	Encod	ed Stop Number
Bit Numbers					Printed Start Number	Printe	d Stop Number
(e.g. 26 bit)							
Special Instructions: For Contact Smart Chip something smart chip module.	election, cc	ontact yo	ur Regional Sales	 Representative	e. Standard configuration do	es not in	clude a contact

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

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

³The external card number is placed in the bottom left-hand corner (125 kHz) and in the bottom right-hand corner (13.56 MHz) on the back of the card on Prox Programming only. Permanent unique MIFARE 56 Bit serial # cannot be printed on cards.

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

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

⁶Includes a permanent Unique MIFARE 56 Bit Serial number.

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



