Readers and Credentials How to Order Guide

PLT-02630, Rev D.4 May 2023





Copyright

© 2016 - 2023 HID Global Corporation/ASSA ABLOY AB. All rights reserved.

This document may not be reproduced, disseminated or republished in any form without the prior written permission of HID Global Corporation.

Trademarks

HID GLOBAL, HID, the HID Brick logo, the Chain Design, Asure ID, Corporate 1000, DuoProx, EntryProx, FARGO, FlexCard, FlexKey, FlexSmart, HID Mobile Access, HID ORIGO, HID Signo, iCLASS, iCLASS SE, ISOProx, EDGE, Edge EVO, MaxiProx, MicroProx, MiniProx, multiCLASS, pivCLASS, ProxCard, ProxKey, ProxPass, ProxPoint, ProxPro, Secure Identity Object, Seos, SIO, U90, are the trademarks or registered trademarks of HID Global, ASSA ABLOY AB, or its affiliate(s) in the US and other countries and may not be used without permission. All other trademarks, service marks, and product or service names are trademarks or registered trademarks of their respective owners.

MIFARE Classic, MIFARE DESFire, and MIFARE DESFire EV1, are registered trademarks of NXP B.V. and are used under license.

Contacts

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

What's new

Date	Description	Revision
May 2023	Added MIFARE DESFire EV3 Multi-Technology cards. Various minor updates.	D.4

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



Contents

1. Reade	rs	8
Under	standing HID Global Readers	8
Car	n I configure my reader product online?	8
Wh	at should I know about security keysets?	8
iCL	ASS SE Reader Standard Security Keysets	8
HID	Signo Reader Credential Profiles	9
Hov	w can I order HID Elite configured readers?	9
Hov	w can I check the status of my order?	9
Select	ting the Right Reader	0
HID Si	igno Readers	1
HID	Signo Common and Popular orderable Part Numbers	3
HID	Signo Accessories and Credentials	3
HID	Signo Reader Configuration	4
HID	Signo PIV Readers	5
HID	Signo Biometric Reader	7
HID	Signo Fingerprint Enrollment USB Reader	8
iCLAS	S SE Readers	9
iCL	ASS SE Readers - Seos Profile with Bluetooth Option	9
iCL	ASS SE Readers - Standard Profile with Bluetooth	1
iCL	ASS SE Readers - Standard Profile	3
iCL	ASS SE Express Reader	5
iCL	ASS SE Biometric Reader - Wiegand2	7
iCL	ASS SE Readers - Magnetic Stripe	9
piv(CLASS Readers - FIPS 201 Strong Authentication	1
piv(CLASS Readers - Wiegand or OSDP	3
iCL	ASS SE U90 - UHF Long Range Reader	5
iCL	ASS SE Reader Accessories	6
iCL	ASS Reader Accessories	9
HID P	roximity Readers4	0
Pro	xPoint Plus Proximity Reader - 6005 / 6008 4	0
Mir	niProx Proximity Reader - 5365 / 53684	1
Pro	xPro Family Proximity Reader - 5455 / 5458 / 5355 / 5352 / 5358	2
Thi	nLine II Proximity Reader - 5395 / 5398	3
Ma	xiProx Proximity Reader - 5375	4
Ent	ryProx Proximity Reader - 4045	5
HID	Proximity Reader Accessories4	6



	Indala Proximity Readers	. 48
	Overview	. 48
	Advantage Series Reader - ASR 620	. 48
	FlexPass Reader - FP Arch / Keypad	. 49
	FlexPass Accessories	. 50
2.	HID Mobile Access	. 51
	What Is HID Mobile Access?	. 51
	Creating HID Mobile Access User Account	. 51
	Selecting the Right Mobile Access Subscription Type	. 52
	HID Mobile Access Part Numbers	. 52
	Ordering Information – Readers for HID Mobile Access	. 53
	Ordering Information – Mobile Identities Service	. 54
	Preparing for Renewal	. 55
3.	Credentials	. 56
	Understanding HID Credentials	. 56
	Can I configure my credential product online?	. 56
	What should I know about security keysets?	. 56
	How can I order HID Elite configured credentials?	. 56
	How can I migrate from my current credential technology?	. 57
	What is the difference between Seos, iCLASS SE and iCLASS credentials?	. 57
	Credentials Marking	. 58
	Credential Marking Technology	. 58
	Understanding Credential Formats	. 58
	Format Structure	. 58
	What format do I need?	. 59
	Common Formats	. 59
	Format Compatibility	. 60
	Indala Formats – Label Code	. 60
	Long Formats (HID Prox)	. 60
	Understanding Credential Programming	. 61
	How do I complete the programming section correctly?	. 61
	Examples.	. 61



Seos Credentials	62
Seos Card - 500	62
Seos + iCLASS Card - 522	64
Seos + Prox Card - 510	66
Seos + iCLASS + Prox Card - 520	68
Seos 8K with MIFARE Classic or DESFire EV1 Implementation – 5806/5906	70
Seos Key Fob - 526	71
Seos Clamshell - 565	72
Seos Essential Card - 550	73
Seos Essential + Prox Card - 551	74
iCLASS SE Credentials	76
iCLASS SE Card - 300 / 305	76
iCLASS SE + Prox Card - 315	78
iCLASS SE Key - 325	80
iCLASS SE Tag - 330	81
iCLASS SE Clamshell Card - 335	82
iCLASS SE + MIFARE Classic - 391	83
iCLASS SE + MIFARE Classic + Prox Card - 396	85
iCLASS Credentials	88
iCLASS Card - 200 / 210	88
iCLASS + Prox Card - 212.	90
iCLASS Key - 205	92
iCLASS Tag - 206	93
iCLASS Clamshell Card - 208	94
iCLASS + MIFARE Classic - 242	95
iCLASS + MIFARE Classic + Prox Card - 262	97
UHF Credentials	100
UHF Card - 600	100
UHF + iCLASS Card - 601	101
UHF + MIFARE Classic Card - 603	103
HID Proximity Credentials	105
ProxCard II Card - 1326	105
DuoProx II Card - 1336 / 1536	106
ProxKey III Keyfob - 1346	108
ISOProx II Card - 1386 / 1586	109
ProxPass II Active Vehicle Identification Tag - 1351	110
MicroProx Tag Proximity - 1391	111

5



ln	dala 125 kHz Credential	. 113
	FPISO - FlexPass Imageable Card	. 114
	FPCRD - FlexCard Standard Card	. 115
	FPTAG - FlexTag	. 116
	FPKEY - FlexKey Keytag	. 117
	FlexPass Formats	. 118
M	IFARE DESFire® Credentials	. 119
	MIFARE DESFire EV3 Card: High Security Profile – 802	. 120
	MIFARE DESFire EV3 Card: Compatibility Profile – 801	. 121
	MIFARE DESFire EV3 Card: Custom Profile - 800	. 123
	MIFARE DESFire EV3 + Prox Card: High Security Profile – 812	. 125
	MIFARE DESFire EV3 + Prox Card: Compatibility Profile - 811	. 127
	MIFARE DESFire EV3 + Prox: Custom Profile - 810	. 129
	MIFARE DESFire EV3 + iCLASS 32k Technology Card: High Security Profile - 822	. 131
	MIFARE DESFire EV3 + iCLASS Card: Compatibility Profile - 821	. 133
	MIFARE DESFire EV3 + iCLASS 32K Card: Custom Profile - 820	. 135
	MIFARE DESFire EV3 + iCLASS 32K + Prox Card: High Security Profile - 832	. 137
	MIFARE DESFire EV3 + iCLASS + Prox Card: Compatibility Profile - 831	. 139
	MIFARE DESFire EV3 + iCLASS 32k + Prox Card: Custom Profile - 830	. 141
M	IFARE Credentials	. 143
	MIFARE Classic Card - 340 / 345 / 1430 / 1440 / 1436 / 1446	. 143
	MIFARE Classic + Prox Card - 350 / 355 / 1431 / 1441 / 1437 / 1447	. 145
	MIFARE Classic Keyfob - 1434 / 1444	. 147
	MIFARE Classic Adhesive Tag - 1435	. 148
CI	P1000 iCLASS SE Encoder	. 149
	iCLASS SE Encoder Summary	. 149
	iCLASS SE Encoder - How Does it Work?	. 149
	iCLASS SE Encoder Ordering Basics	. 149
	Step 1: Hardware	. 150
	Step 2: Select Additional Credential Credits	. 151
	Genuine HID Technology Credential Credits – Part Tables	. 151
	Third Party HID Technology Credential Credits – Part Tables	. 152
	Step 3: Select Additional Formats	. 153
	How to order FRMT-J1 (HID open, tracked or OEM format)	. 153
	How to order FRMT-J2 (Corporate 1000 format)	. 153
	Step 4: Select Additional Keysets	. 154
	Step 5: Encoder Order Form	. 155

6



Embeddable Credentials	156
Overview	
What is an Embeddable Card?	
Why do I need an Embeddable Card?	
Can I Configure my Embeddable Credential Product Online?	
Credentials Marking	
Embedding Capability	
Embeddable Seos Credentials	
Seos Embeddable Card - 501	
Seos + Prox Embeddable Card - 511	
Embeddable iCLASS SE Credentials	
iCLASS SE Embeddable Card - 301	161
iCLASS SE + Prox Embeddable Card - 311	
iCLASS SE + Other HF Embeddable Card - 392	
iCLASS SE + Other 13.56MHz + Prox Embeddable Card - 397	
Embeddable iCLASS Credentials	170
iCLASS Embeddable Card - 211	170
iCLASS + Prox Embeddable Card - 213	172
iCLASS + Other HF Embeddable Card - 243	174
iCLASS + Other 13.56 MHz + Prox Embeddable Card - 263	176
Embeddable HID Proximity Credentials	179
Smart ISOProx® II Card - 1597	179
Smart DuoProx® II Card - 1598	181
Embeddable MIFARE Classic and MIFARE DESFire Credentials	
MIFARE Embeddable Card - 345 / 1436 / 1446	
MIFARE DESFire Embeddable Card - 375 / 1456	
MIFARE + Prox Embeddable Card - 355 / 1437 / 1447	187
MIEARE DESEira + Prov Embeddable Card - 385 / 1/157	180



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

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

The keyset governs a variety of keys, including:

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

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

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

iCLASS SE Reader Standard Security Keysets

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

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



HID Signo Reader Credential Profiles

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

	Communication Type NFC/BLE			High Frequency											Low Frequency		
	Credentials Technologies Supported	Seos (Mobile IDs via NFC/BLE)	Seos	iCLASS SE	iCLASS SR	icLASS	MIFARE DESFire EV1/ EV2/EV3 (SIO)	MIFARE Classic (SIO)	MIFARE DESFire EV1/ EV2/EV3 (CSN)	MIFARE Classic (CSN)	MIFARE DESFire EV1/ EV2/EV3 (Custom Data)	MIFARE Classic (Custom Data)	FeliCa IDm	CEPAS (CAN or UID)	125kHz HID Proximity	125kHz Indala Proximity	125kHz EM4102 Proximity
	00 - Standard Profile	•	•	•	•	•	•	•	•	•	_	_	_	_	•	•	•
Regular	O1 - Seos Profile	•	•	_	_	_	-	-	-	-	_	_	_	_	_	-	_
Options	02 - Smart Profile	•	•	•	•	•	•	•	-	-	_	_	_	_	_	-	_
	O3 - Custom Profile	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	☐ T0 - Priority Standard Profile	•	•	•	•	•	•	•	•	•	_	_	_	_	_	_	_
Priority	T1 - Priority Seos Profile	•	•	_	_	_	-	_	-	-	_	_	_	_	_	-	_
Options	T2 - Priority Smart Profile	•	•	•	•	•	•	•	-	_	_	-	_	-	_	_	_
	T3 - Priority Custom Profile	•	•	•	•	•	•	•	•	•	•	•	•	•	_	_	_

Supported

- Not supported

How can I order HID Elite configured readers?

- Direct customers of HID must be authorized to purchase components with HID Elite keys. If you are not authorized, you must have the key owner authorize you through the Authorization form.
- See https://www.hidglobal.com/solutions/elite-key
- 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).

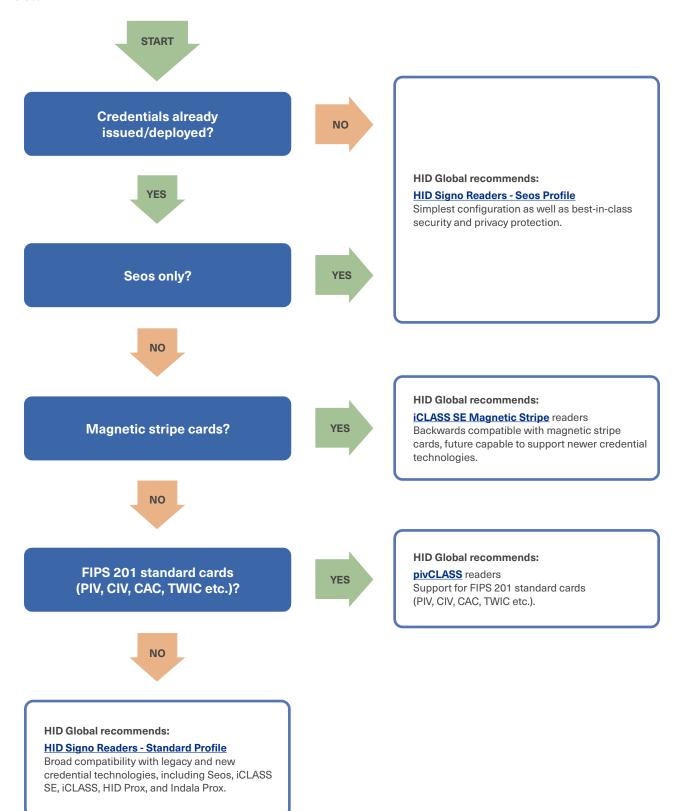
How can I check the status of my order?

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



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.



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

X S - Silver

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

2. Select credential profile (select one option)

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

Supported — Not supported



3. Select configuration option

			Flexi	ble Default Reader Configu	ration*
	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	-	_
Wiegand	Smart	000000	001UXD	-	_
	Custom	000000	_	-	_
	Standard	-	0065H5	0065H7	0065H6
OCDD V1	Seos	-	0065H8	-	_
OSDP V1	Smart	_	0065H9	-	_
	Custom	-	-	-	-
	Standard	-	0063НН	0063HN	0063HQ
OCDD VO	Seos	_	0063HK	-	_
OSDP V2	Smart	_	0063HL	-	
	Custom	-	_	-	_

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

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

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

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

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

Assemble your selections from Step 1 to 3.

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

5. Place an order

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



HID Signo Common and Popular orderable Part Numbers

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

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

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

HID Signo Accessories and Credentials

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

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



0.5 Inches = 1.27 cm 1 Inch = 2.54 cm



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

HID Signo Reader Configuration

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

The App Store (Apple devices)

Google Play (Android devices)







HID Signo PIV Readers

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

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

If you are connecting the Signo PIV Reader directly to a panel or intelligent controller for use with either Wiegand or OSDP, use this page to construct the appropriate part number.

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



1. Select hardware option (select one model)



20 - Designed for applications requiring a narrow card reader.



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



40 - Designed for applications requiring switch mounting.



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

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

☑ H - BAA

Wiring Connection (select one option)

N - Pigtail

T - Terminal Strip

Body Color

X - Black

Trim/Mounting Plate Color

S - Silver

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

2. Select credential profile

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

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

Supported



3. Select configuration option

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

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

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

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

Assemble your selections from Step 1 to 3.

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

5. Place an order

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

HID Signo PIV Reader common and popular orderable part numbers

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

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

HID Signo PIV Reader configuration

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

Notes: • 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.

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

Google Play (Android devices)





HID Signo Biometric Reader

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

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





1. Select hardware option



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

Wiring Connection

N - Pigtail

Body Color

X - Black

Trim/Mounting Plate Color

X S-Silver

3. Select credential profile

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

4. Select configuration option

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

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

5. Final orderable SKU

Assembling the selections from Step 1 to 3.

Final Part Number: 25BNKS-10-000000

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

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



HID Signo Fingerprint Enrollment USB Reader

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

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

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



iCLASS SE Readers

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

order, only Seos credentials with standard keys are supported.

iCLASS SE Readers - Seos Profile with Bluetooth Option

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

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



N TM	₿ Bluetooth °		
1. Selo	ect 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.	g
	920 - Model R40 - Designed for door applications requiring standard wall switch mounting.	921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input.	
□ N -1	z Credential Support (select one option) No 125 kHz support Support for HID Prox		
□ s -s	AHz and Bluetooth credential support (select one option) Supports Seos cards, and Mobile IDs via NFC. Supports Seos cards, and Mobile IDs via NFC and Bluetooth Smart.		
	ler Communication Wiegand DSDP		
□ N -F	Connection (select one option) Pigtail Terminal strip		
	re Revision Revision E		
Color K-E	Black		
2 - S		d keys. Prepared to support HID Mobile Access, but lacks the personalize ration can be ordered at any time but will require field activation after the	
□ F -F	HID Flite and Mobile-Enabled - supports Seos credentials and Mobile	PIDs. Fully activated and personalized to support an organization's specif	fic

Mobile IDs. These readers can only be ordered after the organization has completed registration for either HID Elite or HID Mobile Access. If HID Elite reference (ICE) is given at time of order, only Seos credentials with HID Elite keys are supported. If Mobile Reference (MOB) is given at time of



Configuration Settings

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

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

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

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

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

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

3. Place an order

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

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

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

- Mobile IDs
- Seos
- · Seos + Prox

iCLASS SE Reader - Seos Profile Configuration Cards

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



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.



supported.

1. select one option from each of the following sections	
Reader Model (select one model)	
900 - Model R10 - Designed for door applications requiring a small footprint card reader.	910 - Model R15 - Designed for door applications requiring a mullion style mounting.
920 - Model R40 - Designed for door applications requiring standard wall switch mounting.	921 - Model RK40 - Designed for door applications requiring standard wall switch mounting and keypad input.
95B - Décor Model - Designed for door applications requiring low profile EU square wall switch mounting.	
125 kHz Credential Support (select one option) N - No 125 kHz support P - Support for HID Prox, AWID and EM4102 (32 bits)	
13.56 MHz and Bluetooth Credential Support M - Support for HID Mobile Access Mobiles IDs via NFC and Bluetooth iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO), MIFARE DESFire	• • • • • • • • • • • • • • • • • • • •
Controller Communication (select one option) N - Wiegand C - Clock & Data P - OSDP	
Wiring Connection (select one option) ☐ N - Pigtail (not available on 95B) ☐ T - Terminal strip	
Hardware Revision E - Revision E	
Color K - Black G - Grey (available on 95B only) W - White (available on 95B only)	
Keyset (select one option) M - Mobile-Ready: Prepared to support HID Mobile Access, but lacks th IDs. This configuration can be ordered at any time but will require field a Access.	e personalized configuration to read an organization's specific Mobile activation after the organization has completed registration for HID Mobile

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



Configuration setting (select one option)

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

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

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

Communication	125 kHz Support	Keypad Reader	Extension
	N. No.	No	☐ A001
N - Wiegand	N - No	Yes	☐ A002
	D. Vee	No	☐ A003
	P - Yes	Yes	☐ A004
P - OSDP	N - No	No	☐ A005
	IN - INO	Yes	☐ A006
	P - Yes	No	☐ A007
	P - 162	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/documents/iclass-se-configuration-guide. Your HID Global Support or Sales representative can help you determine your final configuration.

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

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

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

3. Place an order

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

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

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

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



iCLASS SE Readers - Standard Profile

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

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



1. Select one from each of the following sections

Reader Model (select one model) 900 - Model R10 - Designed for a small featuring

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. Supports keypad input.



910 - Model R15 - Designed for door applications requiring a mullion style mounting.



940 - Model R90 - Designed for vehicle access applications requiring extended read range.



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



95A - Décor model - Designed for door applications requiring low profile EU square wall switch mounting.

125 kHz Credential Support (select one option)

lι	N	- 1	N	ΛI	ne

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 the needed format at time of order. Not available on models 940 or 95A. Not available with OSDP communication and/or Custom Programming or Transit.

13.56 MHz Credential Support (select one option)

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

[●] Supported O Optionally supported — Not supported

Controller Communication (select one option)

N - Wiegand	d
-------------	---

C - Clock & Data

☐ P-OSDP

¹ Not available on model 940.

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



Wi	ring Connection (select one option)
	N - Pigtail (Not available on models 940 or 95A)
	T - Terminal strip
На	rdware Revision
X	E - Revision E
Co	lor (select one option)
	K - Black
	W - White. Only available on 95A model.
	G - Gray. Only available on 95A model.
Ke	yset (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.
Co	nfiguration 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 require a Non-Standard 4 digit extension. To order non-standard configuration options, use the Select tab on the iCLASS SE Configuration spreadsheet at the following link www.hidglobal.com/documents/iclass-se-
	configuration-guide. 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

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

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

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

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



iCLASS SE Express Reader

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

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





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

Reader Model (select one model)



900 - Model R10 - Designed for door applications requiring a small footprint card reader.
125 kHz Credential Support ☑ N - No 125 kHz support
13.56 MHz and Bluetooth credential support (select one option) S - Supports Seos cards, and Mobile IDs via NFC. B - Supports Seos cards, and Mobile IDs via NFC and Bluetooth Smart. C - Supports Seos cards, Mobile IDs via NFC and ISO14443 UID. D - Supports Seos cards, Mobile IDs via NFC and Bluetooth Smart and ISO14443 UID.
Controller Communication N - Wiegand
Wiring Connection ☑ N - Pigtail
Hardware Revision ▼ F - Revision F

Color

X - Black

Keyset (select one option)

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

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

Configuration Settings

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

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

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

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

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

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

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



3. Place an order

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

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

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

- Mobile IDs
- Seos
- Seos + Prox



iCLASS SE Biometric Reader - Wiegand

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

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

• 13.56 MHz Credential Support = S - Seos or F - Seos, iCLASS SR and iCLASS.

• 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.

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

1. select one option from each section below

Reader Model (select one model)



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

125 kHz Credential Support N - No 125 kHz support
13.56 MHz credential support (select one option) S - Supports biometric template on Seos credentials F - Supports biometric template on Seos, iCLASS SR and iCLASS credentials
Controller Communication (select one option) N - Wiegand C - Clock & Data
Controller Connection I - Terminal strip
Hardware Revision E - Revision E
Color K - Black
iCLASS Support/Keyset (select one option) ☐ 0 - Standard v1 – Supports Seos, iCLASS SR and iCLASS credentials with default HID keys. ☐ 2 - Standard v2 – Supports Seos credentials with default HID keys. ☐ E - HID Elite – Supports Seos, iCLASS SR and iCLASS credentials with HID Elite keys. Key reference (ICE or MOB) required at time of order.
Configuration Setting Standard configuration iCLASS SE Biometric ship with the following features • Controller Communication = N - Wiegand.

Controller Communication	13.56 MHz Credential Support	Extension		
N - Wiegand	S - Seos	□ 00TG		
	F - Seos, iCLASS SR and iCLASS	□ 00TE		

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: https://www.hidglobal.com/documents/iclass-se-configuration-guide. Your HID Global Support or Sales representative can help you determine your final configuration.



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

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

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

3. Place an order

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

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

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

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



iCLASS SE Readers - Magnetic Stripe

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

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



1. select one option from each of the following sections

Read	ler N	l odel	(select	one	mode	el)

	922 - Model RM40 - Designed for door applications requiring standard wall switch mounting.
STATE OF THE PARTY	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)

	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 Wiegand	•	•	•	_	•	•	•	-	_	_	_
☐ 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

Color

X - Black

E - Revision E

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



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

Configuration Settings

To determine configuration options, use the **Select** tab on the iCLASS SE Configuration Guide spreadsheet at the following link: https://www.hidglobal.com/documents/iclass-se-configuration-guide. 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	K	2	XXXX
Final Part Number						E	K		

3. Place an order

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

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

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

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



pivCLASS Readers - FIPS 201 Strong Authentication

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

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



1. select one option from each section below

Reader Model (select one model)



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



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



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



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



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

125 kHz Credential Support (select one option)

N - No 125 kHz supp	ort
---------------------	-----

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)

7 R - R	3485 FDX. Full du	plex is required whe	n 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)

Pigtail

☐ T - Terminal strip

Hardware Revision

E - Revision E

Color

X - Black

Keyset (select one option)

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



Configuration Setting (select one option)

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

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

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

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

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

3. Place an order

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

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

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

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



pivCLASS Readers - Wiegand or OSDP

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

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

1. select one option from each section below

Reader Model (select one model)



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



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



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



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

125 kHz Credential Support (select one option)

■ N - No 125 kHz support

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

13.56 MHz credential support (select one option)

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

Controller Communication (select one option)

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

Controller Connection (select one option)

N - Pigtail

T - Terminal strip

Hardware Revision

E - Revision E

Color

K - Black

iCLASS Support/Keyset (select one option)

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

Configuration Setting

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

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

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

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



3. Place an order

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

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

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

- Seos
- · <u>iCLASS</u>
- iCLASS SE
- HID Prox
- MIFARE DESFire
- MIFARE Classic



iCLASS SE U90 - UHF Long Range Reader

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

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

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

Reader Model (select one model)



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 - Black

Keyset (select one option)

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

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

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

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

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

3. Place an order

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

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

Need credentials? This reader supports the following credentials:

- UHF cards
- UHF + iCLASS cards



iCLASS SE Reader Accessories

Configuration Cards

Use these cards for customer reader configuration. Readers may be reconfigured to a target configuration by applying the correct target configuration. Use the following link to access the iCLASS SE Configuration Worksheet https://www.hidglobal.com/documents/iclass-se-configuration-guide 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 0 = Standard-1 key or standard-2 key ²	-0000 = Factory configuration (Rx models) -0001 = Factory configuration (RPx models) -0002 = Factory configuration (RKx models) -0003 = Factory configuration (RPKx models)		
HID Elite Upgrade Cards ³	CECOV ODD	E = HID Elite Key⁴	-P000 = HID Elite reader admin keys		
Setup iCLASS SE or multiCLASS® SE readers for HID Elite credential keys or Reader admin keys	SEC9X-CRD-	E = HID Elite Key ²	-P001 = HID Elite credential keys		
HID Elite Downgrade Cards ³		E = HID Elite 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		

¹ Configuration Settings

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

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

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

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

³ HID Elite Upgrade and Downgrade Cards

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

⁴ Keys

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

² Keys



Accessories

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

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



IP65 Upgrade Kit

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

UHF Credential Card Holder

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

iCLASS SE and multiCLASS SE Bluetooth and OSDP Upgrade Kit

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



iCLASS Reader Accessories

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

HID Proximity Readers

ProxPoint Plus Proximity Reader - 6005 / 6008

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

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

Notes:

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

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

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

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

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

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

² Consult Factory

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



MiniProx Proximity Reader - 5365 / 5368

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

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

Notes:

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

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

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

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

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

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

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

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

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

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

² Consult Factory

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



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

ProxPro Family Card Reader Description	Base Part No.	Current Rev. No.*	Color Options	Hardware Options	Configura Setting Op		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 01 02 03	04 05 06 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 K = Keypad³, Terminal Strip	00 10 14 20	09 11 19 21 23	XXXX Y
ProxPro Proximity Reader with Serial output ⁷	5352	A	B = Beige	S = Keypad ⁴ , Terminal Strip	00 10 14 20	09 11 19 21 23		

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

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

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

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

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

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

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

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

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

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

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

10 = Buffer six keys and add parity

11 = Buffer one key and add parity

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

19 = Buffer four keys and add parity

20 = Single Key buffering

21 = Supervision Mode

23 = Buffer one to 11 keys

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

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

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

² Consult Factory

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

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

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

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

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



ThinLine II Proximity Reader - 5395 / 5398

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

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

Notes:

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

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

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

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

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

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

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

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

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

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

² Consult Factory



MaxiProx Proximity Reader - 5375

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

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

Notes:

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

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

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

² Consult Factory



EntryProx Proximity Reader - 4045

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

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

Notes:

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

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

² Consult Factory



HID Proximity Reader Accessories

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



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

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

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

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



Indala Proximity Readers

Overview

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

All reader orders must have the following information:

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

Advantage Series Reader - ASR 620

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



FlexPass Reader - FP Arch / Keypad



BASE NUMBER

FP = FlexPass (reader format required)

STYLE

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

READ RANGE

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

TYPE

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

COLOR

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

OUTPUT FORMAT

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

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

CABLE LENGTH

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

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

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



FlexPass Accessories

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



2. HID Mobile Access

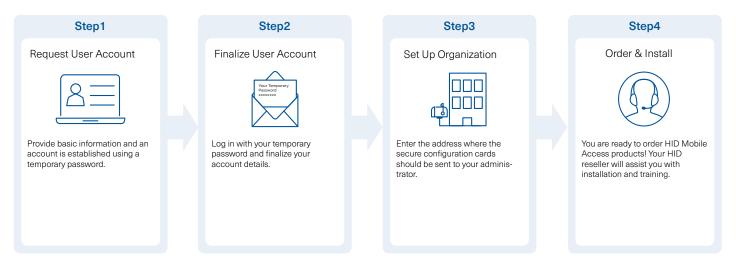
What Is HID Mobile Access?

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

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

Creating HID Mobile Access User Account

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



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

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

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



Selecting the Right Mobile Access Subscription Type

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

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

HID Mobile Access Part Numbers

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



Ordering Information – Readers for HID Mobile Access

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



Ordering Information – Mobile Identities Service

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

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



Preparing for Renewal

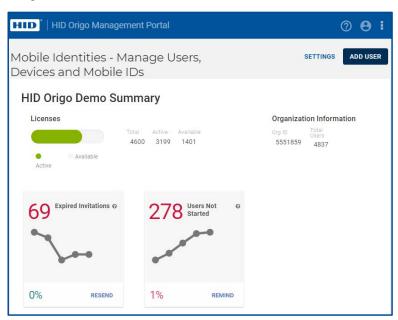
For your convenience, subscription contracts can be set to auto or manual renewal. For those with manual renewals it's important that any changes are captured, that key information is supplied, and that the renewal order is placed early enough to be processed by HID prior to the expiration date. We recommend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

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

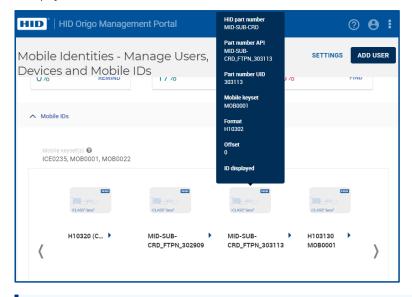
https://doc.origo.hidglobal.com/faq/portal/HID_Mobile_Access_FAQ.pdf

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

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



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



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



3. Credentials

Understanding HID Credentials

Can I configure my credential product online?

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

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

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

What should I know about security keysets?

HID Signo™, iCLASS SE® readers and 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/EV3 (SIO) credentials.
- · SIO authenticity and privacy keys (media independent).
- · Admin/configuration programming keys (for programming reader configuration, also media independent).

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

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

Standard Security Keyset	Compatibility with these Credentials
Version 1	Seos (+ Prox)
	• iCLASS SE (+ Prox)
	• iCLASS SIO encoded (+ Prox)
	• iCLASS (+ Prox)
	MIFARE Classic (+ Prox)
	MIFARE DESFire EV1/EV3 (+ Prox)
Version 2	Seos (+ Prox)
	• iCLASS SE (+ Prox)
	MIFARE Classic (+ Prox)
	MIFARE DESFire EV1/EV3 (+ 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 https://www.hidglobal.com/solutions/elite-key
- Ensure the HID Elite flag is set in the part number (of readers, credentials and configuration cards).
- · All Purchase Orders for HID Elite components must be ordered with the HID Elite reference number (starts with ICE).



How can I migrate from my current credential technology?

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

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

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

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

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

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

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

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



Credentials Marking

For information on Card Identification Markings, please see HID Global Credential Identification Markings Application Note (AN0109).

Credential Marking Technology

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

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

Key benefits:

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

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

Notes:

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

Current Laser Marking Status by Region:

• The Americas: Laser marking transition complete

EMEA: Transition in progressAPAC Region: Transition in progress

Understanding Credential Formats

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

Format Structure

Each format differs in structure by:

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

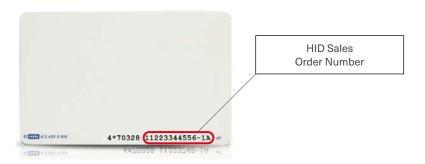
Many formats share the same bit length but differ in structure and for this reason it is not possible to determine the required format number from the bit length alone. If an incorrect format is programmed into the card may not operate correctly with the access control system.



What format do I need?

Existing Systems

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



New Systems

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

Corporate 1000

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

Key Benefits

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

See: https://www.hidglobal.com/solutions/corporate-1000

Common Formats

HID has many active Corporate 1000, OEM and open formats. A list of common formats is 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	0-99999999 (untracked)
Starts with "H5"*	35-bit Corporate 1000	Fixed Company ID Code	0-1048575 (tracked)
Starts with "H2"*	48-bit Corporate 1000	Fixed Company ID Code	0-8388607 (tracked)

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

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



Format Compatibility

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

Indala Formats - Label Code

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

Format Type	Example Format Numbers	Compatible Credential Product Lines – includes multi-technology credentials containing the listed technology.	Reader Compatibility
		HID Prox	HID Prox/HID Signo/MultiCLASS SE
		iCLASS, iCLASS SE, Seos	HID Signo/iCLASS SE
LUD	H10301,H10302,	MIFARE Classic with SIO encoding	HID Signo/iCLASS SE
HID	H10304, 35-bit Corporate 1000 & OEM formats	MIFARE DESFire with SIO encoding	HID Signo/iCLASS SE
		Mobile Access IDs	Mobile Enabled iCLASS SE
		UHF	UHF (U90®)
HID ABA	H10320	HID Prox	HID Prox/HID Signo/multiCLASS SE
Indala Prox 125 kHz	40134, 4038X	Indala Prox, HID Prox	Indala
Indala CX (Casi 125 kHz)	C10106	Indala CX, HID Prox	Legacy Indala Casi CX (discontinued) / third party Casi compatible
EM	EM4102	Contact your local HID Global pre-sales or sales engineering representative to discuss requirements	HID Signo/multiCLASS SE / third party
Custom MIFARE DESFire EV1/EV3 or MIFARE Classic	-	Contact your local HID Global pre-sales or sales engineering representative to discuss custom format requirements	-

Long Formats (HID Prox)

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

HID Prox Format Type	Example Format Numbers	Compatible HID Prox Product Lines	Incompatible Products
Long Formats (>37-bits)	H2xxxxx 48-bit	6005/6008/5365/5368/5355/5358/5395/	eProx Lock, Serial ProxPro®, EntryProx™,
	Corporate 1000, all other formats >37 bits	5375 (manufactured after 2001)	ProxPass™ II



Understanding Credential Programming

How do I complete the programming section correctly?

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

Mandatory Programming Information

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

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

Mandatory Marking Information

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

Examples

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

 Quantity:
 500

 Format:
 H10301

 Facility Code:
 125

ID number range: 25,001 to 25,500

Format Number
H10301
HID Elite ICE number

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

Quantity	,
500	

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

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

Quantity: 1,000

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

 Elite Key:
 ICE999

 Site Code:
 156

 Installer Code:
 21

Number range: 1,001 to 2,000

Format Number
0999123
HID Elite ICE number
ICE0999

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

1,000	ĺ

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

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



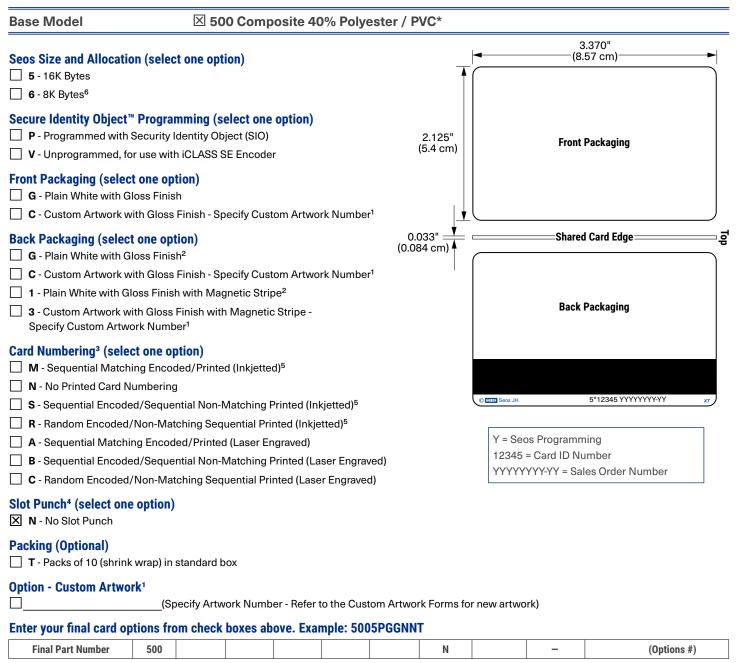
Seos Credentials

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

Seos Card - 500

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

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





Seos Card Programming Information

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

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

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

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

⁴ Cards are not available with any slot punch option.

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

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

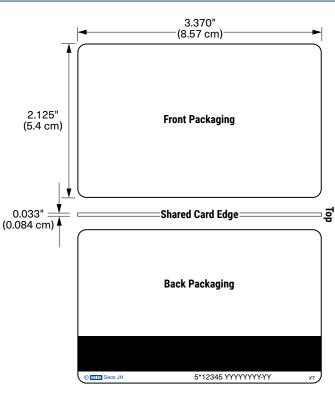


Seos + iCLASS Card - 522

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

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

Base Model	■ 522 Composite 40% Polyester / PVC*
Seos and Memory Size and Al ☑ 6 - 8K Bytes ⁶	location
iCLASS Memory Size and Allo 0 - iCLASS 2k Bits (256 Bytes) 3 - CLASS 32k Bits (4K Bytes) 4 - CLASS 32k Bits (4K Bytes)	with 2 Application Areas Application areas 16k/2+16k/1
Seos Programming (select one P - Programmed with Security V - Unprogrammed, for use w	/ Identity Object (SIO)
P - Programmed with Security	/ Identity Object (SIO) (0.084 cess Control Application (recommended) / Identity Object (SIO) d iCLASS Access Control Application
Front Packaging (select one o G - Plain White with Gloss Fin C - Custom Artwork with Glos	
1 - Plain White with Gloss Fini	ish ² ss Finish - Specify Custom Artwork Number ¹ ish with Magnetic Stripe ² ss Finish with Magnetic Stripe -
	ng
■ B - Sequential Encoded/Sequ ■ C - Random Encoded/Non-M	• •
Slot Punch ⁴ N - No Slot Punch Outline Contain Astropola	
Option - Custom Artwork ¹	



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

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



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

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

Seos Card Programming Information

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

iCLASS Card Programming Information

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

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

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

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

⁴ Cards are not available with any slot punch option.

⁵ Inkjetted option is not available for these cards.

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

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



Seos + Prox Card - 510

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

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

																—
Base Model	[⊠ 510 C	Compos	ite 40%	Polyes	ter /	/ PV	C*								
Seos Memory Size and A 5 - 16K Bytes 6 - 8K Bytes ⁶	Allocatio	n (select	one opti	on)					- -	!		(3.370" 8.57 cm)—			>
Programming (select one P - Programmed with So HID Prox non programm R - Both interfaces prog 125 kHz programmed w V - Unprogrammed Sec	ecurity Id ned grammed: vith HID c	entity Objo Seos with or Indala fo	n Security ormat					2.125" (5.4 cm				Fror	t Packagin	g		
Front Packaging (select G - Plain White with Glo C - Custom Artwork wit	ss Finish	·	ecify Cust	om Artwo	rk Numbe	er ¹		033" = 84 cm) ⁽				Shar	ed Card Edg	је		ੁ ⊐ ફ `
Back Packaging (select of G - Plain White with Glood of C - Custom Artwork with Glood of 3 - Custom Artwork with Specify Custom Artwork with S	ess Finish h Gloss F ss Finish h Gloss F	² inish - Spe with Magi inish with	netic Strip	e ²	rk Numbe	er ¹						Вас	k Packaginų	g		
Seos Card Numbering ³ (s M - Sequential Matchin	g Encode	_	•	d) ⁵					(① HID Seos	: JH		5*12345 Y	YYYYYYYYYY	х	T)
N - No Printed Card Nu S - Sequential Encoded R - Random Encoded/N A - Sequential Matching B - Sequential Encoded C - Random Encoded/N	/Sequen Ion-Matc g Encode I/Sequen	hing Sequ d/Printed tial Non-W	ential Prir (Laser En latching P	nted (Inkje graved) Printed (La	etted) ⁵ iser Engra					1234	45 = Ca	rogrami ard ID N '-YY = Sa		Number		
Slot Punch⁴ ☑ N - No Slot Punch																
125 kHz Card Numbering M - Sequential Matchin N - No Printed Card Nu S - Sequential Encoded R - Random Encoded/N A - Sequential Matching	g Encode mbering /Sequent Ion-Matc	ed/Printed tial Non-W hing Sequ	I (Inkjetted Iatching P Iential Prir	rinted (Inl			(Lase	er Engra	ived) Encod		•		n-Matching			
Option - Custom Artwork		ecify Artwo	ork Numbe	er - Refer t	to the Cus	stom A	Artwo	rk Form	s for n	new art	twork)					
Enter your final card opt	ions fror	n check l	ooxes ab	ove. Exai	mple: 51	05PG	GNN	N								
Final Part Number	510							N			-				(Option	s #)



Seos Card Programming Information

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

125 kHz Card Programming Information

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

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

PLT-02630, Rev D.4 67 May 2023

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

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

⁴ Cards are not available with any slot punch option.

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

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

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



Seos + iCLASS + Prox Card - 520

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

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

Base Model	⊠ 520	Composite 40% Poly	ester / PVC*		
Seos Memory Size and Allocat ☑ 6 - Seos 8K Bytes ⁶	ion		<u>_</u> _	•	3.370" (8.57 cm)
iCLASS Memory Size and Alloc □ 0 - iCLASS 2k Bits (256 Bytes) □ 3 - CLASS 32k Bits (4K Bytes) □ 4 - CLASS 32k Bits (4K Bytes) Seos Programming (select one) □ P - Programmed with Security	with 2 Application area Application area e option)	as 16k/2+16k/1 as 16k/16+16k/1	2.125" (5.4 cm)		Front Packaging
☐ V - Unprogrammed, for use with					
iCLASS Programming (select of S - Programmed with Security and with standard iCLASS Acc	Identity Object		0.033" (0.084 cm)		Shared Card Edge
 □ P - Programmed with Security □ H - Programmed with standard □ C - Unprogrammed, for use with 	Identity Object I iCLASS Acces	(SIO) s Control Application			Back Packaging
125 kHz Programming (select of P - Programmed with HID or In N - HID Prox unprogrammed for N -	ndala format	ASS SE Encoder			
Front Packaging (select one op G - Plain White with Gloss Fini C - Custom Artwork with Gloss	sh	y Custom Artwork Number ¹		Y = Seos Pro	5*12345 YYYYYYYYYY
Back Packaging (select one op G - Plain White with Gloss Fini C - Custom Artwork with Gloss 1 - Plain White with Gloss Finis 3 - Custom Artwork with Gloss	sh ² s Finish - Specif sh with Magneti	ic Stripe ²	om Artwork Number	12345 = Car YYYYYYYY-Y	d ID Number 'Y = Sales Order Number
Seos Card Numbering³ (select N - No Printed Card Numberin A - Sequential Matching Encod B - Sequential Encoded/Seque C - Random Encoded/Non-Ma	g ded/Printed (La ential Non-Matc	ching Printed (Laser Engrave			
iCLASS Card Numbering³ (sele	ect one option) g ded/Printed (La ential Non-Matc atching Sequent	ser Engraved) ⁴ shing Printed (Laser Engrave	d) ⁴		
Prox Card Numbering³ (select N - No Printed Card Numberin A - Sequential Matching Encod B - Sequential Encoded/Sequential	g ded/Printed (La		d)⁴		

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



Slot Punch ⁵													
N - No Slot Punch													
Option - Custom Artwork	(1												
	(Speci	ify Artwo	rk Nun	nber - Refer	to the	Custon	n Artwo	rk Form	ns for ne	w artw	ork)		
Enter your final card opti	ons from	check b	oxes	above. Exa	ample:	52063	PSPG	GAAAN	1				
Final Part Number	520	6									N	_	(Options #)
Seos Card Programm	ing Info	rmatio	n										
	E1.1.18	1 (.)											
Format Number	Format Number Field Name(s) e.g. Facility Code		Valu	Value		QTY		Encoded Start Number			Encoded Stop Number		
HID Elite ICE number									Print	ed Sta	rt Nur	nber	Printed Stop Number
iCLASS Card Progran	nming In	format	tion										
Format Number Field Name(s) Facility Code		e.g.	Value			QTY		Enco	ded St	art N	umber	Encoded Stop Number	
HID Elite ICE number									Print	ed Sta	rt Nur	nber	Printed Stop Number
125 kHz Card Program	nming Ir	nforma	tion										
	Field N	Name(s)	0.0										
Format Number		y Code	e.g.	Value			QTY		Enco	ded St	art N	umber	Encoded Stop Number
									Print	ed Sta	rt Nur	nber	Printed Stop Number

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

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

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

⁴ Inkjetted option is not available for these cards.

⁵ Cards are not available with any slot punch option.

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

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

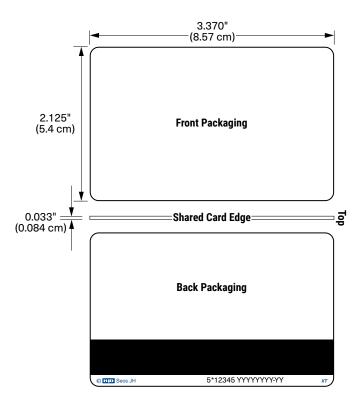


Seos 8K with MIFARE Classic or DESFire EV1 Implementation - 5806/5906

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

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

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



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



Seos Key Fob - 526

Portable Credential for Key Ring Applications.

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

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

Name	
Company	

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

× 526 Base Model

Memory Size

6-8K Bytes

Secure Identity Object Programming (select one option)

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

Front Packaging

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

Back Packaging

■ N - Seos logo and marking panel

Key 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)

1.25" (31.75 mm) Y = Seos Programming 12345 = Card ID Number

Front Packaging

KID

YYYYYYYYY = Sales Order Number

Back Packaging

MY 12345 MMMMMY

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

Final Part Number	5266	N	N	

1.56" (39.5 mm)

Seos Programming Information

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

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

PLT-02630, Rev D.4 71 May 2023

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

٧



Seos Clamshell - 565

Highly Durable Slot Punched Contactless Smart Card.

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

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

Seos Programming Information

Final Part Number

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

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

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

5656

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

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



Seos Essential Card - 550

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

Secure Identity Object™ programming²

P - Programmed with Secure Identity Object (SIO)

Front packaging

X G - Plain white with gloss finish

Back packaging³

X G - Plain white with gloss finish

Card numbering4 (select one option)

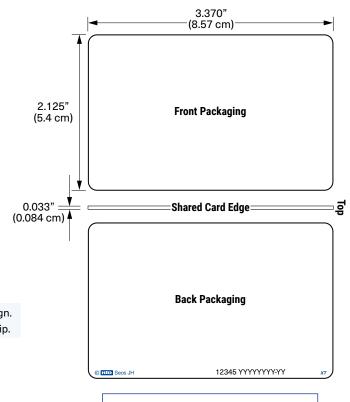
- N No printed card numbering, sales number marking only
- ☐ A Sequential matching encoded/printed (laser engraved)
- B Sequential encoded/sequential non-matching printed (laser engraved)
- □ C Random encoded/non-matching sequential printed (laser engraved)

Slot punch

N - No Slot Punch

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

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



12345 = Card ID Number YYYYYYYYYY = Sales Order Number

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

		•					
Final Part Number	550	Р	G	G		N	

Seos Programming Information

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

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

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

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

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



Seos Essential + Prox Card - 551

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 C	omposite (40% poly	ester/PVC)						
Secure Identity Object™ pro ▼ P - Programmed with Secure	-						3.370"	
125kHz programming (sele P - Programmed with HID N - HID Prox® unprogramm	or Indala® format	E Encoder		1		(8.	57 cm)	
Front packaging G - Plain white with gloss to	ïnish			2.125" 5.4 cm)		Front	Packaging	
Back packaging³ ☑ G - Plain white with gloss to	ïnish							
Seos card numbering ⁴ (sele N - No printed card number A - Sequential matching en B - Sequential encoded/set (laser engraved)	ering, sales number markin ncoded/printed (laser engr	aved)	0.0 (0.08	933" 4 cm)		Shared	l Card Edge	
C - Random encoded/non- (laser engraved)	-matching sequential printe	ed						
Slot punch N - No Slot Punch						Back	Packaging	
IMPORTANT: 551 credentia Use a badge	als do not allow a slot puncl holder to attach this card to				© HID Seos	s JH	12345 YYYYYY	Y-YY x ₁
125kHz card numbering ⁴ (s N - No printed card number A - Sequential matching expressions of the sequential matching expressions of	ering, sales number markin	-						
☐ B - Sequential encoded/se (laser engraved)						45 = Card ID Nu YYYYYY-YY = Sal		ber
C - Random encoded/non (laser engraved)	-matching sequential printe	ed						
Enter your final card option	s from check boxes abo	ve. For examp	le, 551PPG0	ANA				
Final Part Number	551 P		G	G			N	
Seos Programming Info	ormation							
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	E	Encoded	l Start Number	Encoded \$	Stop Number

Printed Start Number

Printed Stop Number



125kHz 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 Seos Essential has limited availability in North America, please contact your local sales representativity for more information.

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

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

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



iCLASS SE Credentials

iCLASS SE Card - 300 / 305

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

Base Model		300 Sta	ndard P	VC	□ 305	Composi	te 40% Po	olyeste	r / PVC*		
iCLASS Memory Size and A 0 - 2k Bits (256 Bytes) with 3 - 32k Bits (4K Bytes) App 4 - 32k Bits (4K Bytes) App	n 2 Applicatio olication area	n Areas s 16k/2+16	sk/1			0.405					
Secure Identity Object Programmed with Secure IV - Unprogrammed, for us	urity Identity	-				2.125" 5.4 cm)	(n) Front Packaging				
Front Packaging (select on G - Plain White with Gloss C - Custom Artwork with C	Finish	Specify Cu	ıstom Artw	ork Numbe	.1	<u> </u>	•	(3.370" 8.57 cm)		
Back Packaging (select on ☐ G - Plain White with Gloss ☐ C - Custom Artwork with C	Finish ²	Specify Cu	ıstom Artw	ork Numbe	0.0 0.084						
☐ 1 - Plain White with Gloss☐ 3 - Custom Artwork with G Specify Custom Artwork N	Gloss Finish v	ū	•					Bac	k Packaging	ı	
Card Numbering³ (select of M - Sequential Matching B N - No Printed Card Numbers	Encoded/Pri	nted (Inkjeti	ted) ⁷				2				
S - Sequential Encoded/S		n-Matching	g Printed (II	nkjetted) ⁷					MAGNETIC H ENERGY		
R - Random Encoded/Nor						7	HID ICLASS	1	2345	12345 ҮҮҮҮҮҮҮҮҮ	
 A - Sequential Matching E B - Sequential Encoded/S C - Random Encoded/Nor	equential No	n-Matching	g Printed (L	aser Engra	•		12345 =	ASS Progr	Number		
Slot Punch ⁵ (select one op N - No Slot Punch. This ca B - No Slot Punch. This ca V - Vertical Slot Punch	ird can be slo						YYYYYY	YY-YY = S	ales Order	Number	
☐ H - Horizontal Slot Punch ⁶	i										
Option - Custom Artwork¹	(Specify A	rtwork Num	nber - Refei	r to the Cus	om Artworl	k Forms for	new artwork)			
Enter your final card option	s from che	ck boxes a	above. Exa	ample: 300	OPGGNN						
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

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

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

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

⁴ For Laser Engraved Printed numbers, contact customer service for lead times and cost.

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

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

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

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



iCLASS SE + Prox Card - 315

☐ 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)

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 opt	ion has been checked with the appropriate choice to to	illii a completed o	order form.		
Base Model	☑ 315 Composite 40% Polyeste	er / PVC*			
□ 0 - 2k Bits (256 Bytes) □ 3 - 32k Bits (4K Bytes) □ 4 - 32k Bits (4K Bytes) Secure Identity Object □ P - Programmed with 125 kHz HID Prox unp □ R - Both interfaces pro	Application areas 16k/2+16k/1 Application areas 16k/16+16k/1 Programming (select one option) Security Identity Object (SIO),	2.125" (5.4 cm)		Front Packag	ling
Back Packaging (selection G - Plain White with G C - Custom Artwork w 1 - Plain White with G	iloss Finish vith Gloss Finish - Specify Custom Artwork Number¹ t one option) iloss Finish² vith Gloss Finish - Specify Custom Artwork Number¹ loss Finish with Magnetic Stripe² vith Gloss Finish with Magnetic Stripe -	0.033" (0.084 cm)		3.370" (8.57 cm)	
M - Sequential Match N - No Printed Card N S - Sequential Encode R - Random Encoded A - Sequential Matchi B - Sequential Encode C - Random Encoded	ed/Sequential Non-Matching Printed (Inkjetted) ⁵ /Non-Matching Sequential Printed (Inkjetted) ⁵ ing Encoded/Printed (Laser Engraved) ed/Sequential Non-Matching Printed (Laser Engraved) /Non-Matching Sequential Printed (Laser Engraved) e option) is card can be slotted vertically, Printed Vertical Slot Inc.		1/2" (HIC III) iclass Y = iCLASS 12345 = Ca	ONAL MAGNET CO/HIGH ENER 12345 S Programming and ID Number -YY = Sales Order	GY - 40000E) 12345 YYYYYYYYYYY
N - No Printed Card NS - Sequential Encode	ing Encoded/Printed (Inkjetted) ⁵				



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

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

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

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

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

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

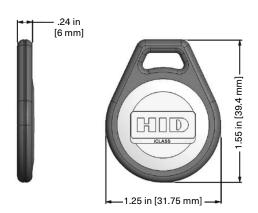


iCLASS SE Key - 325

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

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

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



Shown - Front Packaging Option N

Additional Options³

▼ N - None

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

Final Part Number	325			N	N		N	
-------------------	-----	--	--	---	---	--	---	--

iCLASS Key Programming Information

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

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

PLT-02630, Rev D.4 80 May 2023

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

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



iCLASS SE Tag - 330

HID Elite ICE #

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

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

□ 330 Base Model □ 330 Base Model								
iCLASS Memory Size and A 0 - 2k Bits (256 Bytes) with 3 - 32k Bits (4K Bytes) Appl 4 - 32k Bits (4K Bytes) Appl Secure Identity Object Prog P - Programmed with Secu V - Unprogrammed, for use Front Packaging (select one	2 Application Areas lication areas 16k/2+16k/1 lication areas 16k/16+16k/1 gramming (select one option of the select one) are Identity Object (SIO). The with iCLASS SE Encoder	·			i	HID®CLASS	7730	1.285" (32.639mm)
	- Black with HID Standard Artwork					t Packagi	ing	0.070"
C - Custom Artwork - Spec	rify Custom Artwork Number	2						(1.78 mm)
Back Packaging ☑ S - Adhesive Backing								
■ N - No Printed Tag Numbe ■ S - Sequential Encoded/Se	Encoded/Printed (Inkjetted) ⁴	· ·	ı					
⋈ - None								
Option - Custom Artwork¹ Enter your final Tag options	_(Specify Artwork Number -			Forms for	new artwor	k)		
Final Part Number	330		S		N	-		(Options #)
iCLASS Tag Programmi	ng Information							
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Enc	oded Start I	Number	Encode	d Stop Number

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



Contact Smart Chip

Printed Start Number

Magnetic Swipe card

Printed Stop Number

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

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

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

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

2.125"

(5.4 cm)

(Base)

Back Packaging

12345 YYYYYYYYYYYYY

0.070

(0.18 cm)

3.370" (8.57 cm)



iCLASS SE Clamshell Card - 335

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

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

X	335	Base	Mo	del
---	-----	------	----	-----

iCLASS Memory Size and Allocation (select one option)

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

Secure Identity Object Programming (select one option)

- P Programmed with Security Identity Object (SIO)
- ☐ **V** Unprogrammed, for use with iCLASS SE Encoder

Front Packaging (select one option)

- M Plain White Vinyl with Matte Finish
- G Plain White with Gloss Finish
- C Custom Artwork Specify Custom Artwork Number¹

Back Packaging (select one option)

- S Base with Molded HID Logo
- C Custom Artwork Specify Custom Artwork Number¹

Card Numbering² (select one option)

- M Sequential Matching Encoded/Printed (Inkjetted)⁴
- N No Printed Card Numbering
- S Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)³
- R Random Encoded/Non-Matching Sequential Printed (Inkjetted)³

Slot Punch

🛛 V - Vertical Slot Punch

Option - Custom Artwork²

|--|

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

(Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 3350PMSMV iCLASS Card Programming Information ¹ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

2.060

(5.23 cm)

(Cover)

Front Packaging

Y = iCLASS Programming

12345 = Card ID Number

YYYYYYYYY = Sales Order Number

3.310"

(8.41 cm

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

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



iCLASS SE + MIFARE Classic - 391

The SIO-Enabled iCLASS with MIFARE Classic 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.

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 and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE Classic 1K) 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 2.125" **Card Programming (select one option)** (5.4 cm) R - iCLASS programmed with Secure Identity Object (SIO), MIFARE Classic programmed with Secure Identity Object (SIO) P - iCLASS programmed with Secure Identity Object (SIO), MIFARE Classic unprogrammed for use with iCLASS SE encoder 3.370 (HID MIFARE or custom encoding) K - iCLASS programmed with Secure Identity Object (SIO), MIFARE Classic programmed with HID MIFARE Classic 0.033" or custom MIFARE Classic (option M or N 2nd HF only). (0.084 cm) A - iCLASS unprogrammed for use with iCLASS SE Encoder, MIFARE Classic programmed with Secure Identity Object (SIO) **B** - iCLASS unprogrammed for use with iCLASS SE Encoder, MIFARE Classic unprogrammed for use with iCLASS SE encoder (HID MIFARE or custom encoding) MIFARE Classic unprogrammed for use with iCLASS SE encoder (SIO, HID MIFARE or custom encoding) MIFARE Classic (select one option) 12345 HID iCLASS M - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits) ■ N - MIFARE Classic 4K Bytes 12345 = Card ID Number Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ **Back Packaging (select one option)** G - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number¹



iCLASS SE Card Numberi	•	• •						
M - Sequential Matching		(inkjettea)°						
N - No Printed Card Nun	_			1)5				
S - Sequential Encoded	•	_		1)9				
R - Random Encoded/N								
☐ A - Sequential Matching		•	·					
B - Sequential Encoded	·	•	•					
	on-Matching Seque	ential Printe	d (Laser Engi	raved)				
Slot Punch								
	Frequency credent mends using a bad							
N - No Slot Punch								
MIFARE Classic Card Nur	• •)					
M - Sequential Matching	g Encoded/Printed	(Inkjetted) ⁵						
N - No Printed Card Nun	nbering							
S - Sequential Encoded	Sequential Non-Ma	atching Prin	ted (Inkjetted	l) ⁵				
R - Random Encoded/N	on-Matching Seque	ential Printe	d (Inkjetted) ⁵					
☐ A - Sequential Matching	Encoded/Printed (Laser Engra	aved)					
☐ B - Sequential Encoded	Sequential Non-Ma	atching Prin	ited (Laser Er	graved)				
C - Random Encoded/N	on-Matching Seque	ential Printe	d (Laser Engi	raved)				
Option - Custom Artwork	1							
	(Specify Artwo	rk Number -	Refer to the	Custom Artv	vork For	ms for new ar	twork)	
Enter your final card option	one from the abov	va salactio	ne Evamnle	- 301/DN(CMNN	ı		
Final Part Number	ons from the above	ve selectio	nis. Example	5. 3714KK	N			(Options #)
Filial Fait Nullibel					14			(Options #)
iCLASS SE Card Prog	ramming Inform	mation						
Format Number	Field Name(s)		Value	QTY		Encoded S	tart Number	Encoded Stop Number
Format Number	e.g. Facility Co		value	QIT		Encoded S	tart Number	Encoded Stop Number
HID Elite ICE #						Printed Sta	rt Number	Printed Stop Number
NATE OF CLUE								
MIFARE Classic Card	Programming	Informat	ion					
Format Number	Field Name(s) e.g. Facility Co		Value	QTY		Encoded S	tart Number	Encoded Stop Number
HID Elite ICE #						Printed Sta	rt Number	Printed Stop Number

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

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

12345 YYYYYYYYYY



iCLASS SE + MIFARE Classic + Prox Card - 396

The SIO-enabled card with MIFARE Classic or 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.

Base Model	☑ 396 Composite 40% Polyes	ter / PVC*		
O - 2k Bits (256 Bytes) w (only available with MIF				
13.56 MHz Technology C R - iCLASS programme MIFARE Classic progra	card Programming (select one option) d with Secure Identity Object (SIO), mmed with Secure Identity Object (SIO) d with Secure Identity Object (SIO)	2.125" (5.4 cm)		Front Packaging
(HID MIFARE or custon A - iCLASS unprogramm	grammed for Use with iCLASS SE encoder n encoding) ned for use with iCLASS SE Encoder, mmed with Secure Identity Object (SIO)	0.033" = 0.034 cm)	◀	3.370" (8.57 cm)
MIFARE Classic unprog (SIO, HID MIFARE or cu	one option) Bytes (only available with iCLASS 2k bits)	(0.00 : 0)		Back Packaging
125 kHz Technology Car	d Programming (select one option) ID Prox or Indala format. ASI Prox.			IONAL MAGNETIC STRIPE CO/HIGH ENERGY - 40000E) 12345 12345 YYY
Front Packaging (select G - Plain White with Glo C - Custom Artwork with				Card ID Number Y-YY = Sales Order Number
1 - Plain White with Glo	nss Finish ² h Gloss Finish - Specify Custom Artwork Number ¹ ss Finish with Magnetic Stripe ² h Gloss Finish with Magnetic Stripe -			



iCLASS SE Card Numb	•			,									
M - Sequential Match			nted (In	kjetted) ⁵									
N - No Printed Card N		_											
S - Sequential Encod	•			_									
R - Random Encoded	I/Non-M	atching S	Sequenti	al Printed	(Inkjette	d) ⁴							
A - Sequential Match	ing Enco	oded/Prir	nted (Las	ser Engra	/ed)								
☐ B - Sequential Encod	ed/Sequ	ential No	on-Matc	hing Print	ed (Laser	Engrave	ed)						
C - Random Encoded	I/Non-M	atching S	Sequent	ial Printed	(Laser E	ngraved)						
Slot Punch													
	MPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip.												
🗵 N - No Slot Punch	N - No Slot Punch												
MIFARE Classic 13.56	FARE Classic 13.56 MHz Card Numbering³ (select one option)												
M - Sequential Match	ning Enc	oded/Pri	nted (Inl	kjetted) ⁵									
■ N - No Printed Card N	Numberii	ng											
S - Sequential Encod	ed/Sequ	ential No	on-Matc	hing Print	ed (Inkjet	ted)4							
R - Random Encoded	R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁴												
A - Sequential Match	A - Sequential Matching Encoded/Printed (Laser Engraved)												
☐ B - Sequential Encod	ed/Sequ	ential No	on-Matc	hing Print	ed (Laser	Engrave	ed)						
C - Random Encoded	I/Non-M	atching S	Sequent	ial Printed	(Laser E	ngraved)						
125 kHz Card Numberi	ng³ (sel	lect one	option)									
M - Sequential Match	ning Enc	oded/Pri	nted (In	kjetted) ⁵									
■ N - No Printed Card N	Numberii	ng											
S - Sequential Encod	ed/Sequ	ential No	on-Matc	hing Print	ed (Inkjet	ted) ⁴							
R - Random Encoded	I/Non-M	atching S	Sequenti	ial Printed	(Inkjette	d) ⁴							
A - Sequential Match	ing Enco	ded/Prir	nted (Las	ser Engrav	ved)								
☐ B - Sequential Encod	ed/Sequ	ential No	on-Matc	hing Print	ed (Laser	Engrave	ed)						
C - Random Encoded	I/Non-M	atching S	Sequent	ial Printed	(Laser E	ngraved)						
Option - Custom Artwo	nrk¹												
		Specify A	rtwork l	Number - I	Refer to tl	he Custo	om Artwork	k Form	ns for new	artwork))		
Enter your final card o	ptions f	rom the	above	selection	ıs. Exam	ple: 39	64PNPGG	SNNM					
Final Part Number								N				_	(Options #)
iCLASS SE Progran	nming	Inform	ation										
Format Number		ield Nan .g. Facili		:	Value		QTY		Encode	d Start N	umber	End	coded Stop Number
		3	, 5000										
HID Elite ICE #								_	Printed	Start Nu	mber	Pri	nted Stop Number
	\dashv												



MIFARE Classic Programming Information

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

125 kHz Programming Information

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

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

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

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

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

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



iCLASS Credentials

iCLASS Card - 200 / 210

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

Base Model:		□ 200 S	tandard F	PVC	□ 210	Compos	ite 40% Po	lyeste	er / PVC*
iCLASS Memory Size ☐ 0 - 2k Bits (256 Bytes ☐ 3 - 32k Bits (4K Bytes ☐ 4 - 32k Bits (4K Bytes	s) with 2 Applic s) Application	cation Areas areas 16k/2	+16k/1)		1			
iCLASS Programming HP - Programmed w and standard iCLAS P - Programmed wit C - Unprogrammed,	rith Security Id S Access Cont h standard iCL	entity Objectrol Applicat ASS Access	ion (Recom s Control Ap			2.125" (5.4 cm)		Fro	ont Packaging
Front Packaging (sele G - Plain White with C - Custom Artwork	Gloss Finish		/ Custom Ar	rtwork Num		033" = 033"	•		3.370" (8.57 cm)
Back Packaging (sele G - Plain White with C - Custom Artwork 1 - Plain White with 3 - Custom Artwork Specify Custom Art	Gloss Finish ³ with Gloss Fin Gloss Finish w with Gloss Fin	iish - Specify ith Magneti ish with Ma	c Stripe ³		(0.0)	34 cm) A		Ва	ck Packaging
Card Numbering⁴ (sel	ching Encoded		kjetted) ⁸						MAGNETIC STRIPE GH ENERGY - 40000E)
S - Sequential Encode R - Random Encode A - Sequential Matcl B - Sequential Encode C - Random Encode	ded/Sequentia d/Non-Matchi hing Encoded/ ded/Sequentia	ng Sequenti /Printed (Las al Non-Matc	ial Printed (I ser Engrave hing Printed	Inkjetted) ⁷ d) d (Laser Eng	graved)		12345 =	= Card IE	gramming Number Sales Order Number
Slot Punch ⁵ (select or N - No slot punch, T B - No Slot Punch, T V - Vertical Slot Punch H - Horizontal Slot P	ne option) his card can bo his card can bo ch unch ⁶	e slotted ver	tically, Print	ted Vertical	Slot Indicator				
Option - Custom Artw	(Spec	-			ustom Artwo		new artwork)		
Enter your final card of Final Part Number	options from	check box	es above. I	Example: 2	2000HPGGN	N		_	(Options #)



iCLASS Card Programming Information

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

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

PLT-02630, Rev D.4 89 May 2023

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

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

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

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

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

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

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



iCLASS + Prox Card - 212

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

Base Model 212 Composite 40% Polyeste	er / 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	1			
Programming (select one option) HP - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 25 kHz Unprogrammed. HB - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 125 kHz 125 kHz programmed with HID Prox or Indala format	2.125" (5.4 cm)	Fro	ont Packagi	ng : :
P - Programmed with standard iCLASS access control application, 125 kHz HID Prox unprogrammed for use with iCLASS SE Encoder B - 125 kHz Programmed with HID Prox or Indala format, iCLASS programmed with standard access control application	0.033"		3.370" (8.57 cm)	,
C - iCLASS Unprogrammed, for use with iCLASS SE Encoder, HID Prox unprogrammed for use with iCLASS SE Encoder A - iCLASS Unprogrammed, for use with iCLASS SE Encoder, 125 kHz programmed with HID Prox or Indala format M - iCLASS Programmed, HITAG2 blank. I - iCLASS configured field programmable, HITAG2 blank.	(0.084 cm)	Ва	ack Packagii	ng :::
Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ²		OPTIONAI 1/2" (HICO/HI	L MAGNET IGH ENERG	
Back Packaging (select one option) G - Plain White with Gloss Finish³ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number² 1 - Plain White with Gloss Finish with Magnetic Stripe³ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number²		12345 = Card IE YYYYYYYYY =		iCLASS#
iCLASS Card Numbering⁴ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted) ⁷ N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted) ⁶ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted) ⁶ A - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)				
Slot Punch⁵ (select one option) ☐ V - Vertical Slot Punch ☐ N - No slot punch, This card can be slotted vertically, Printed Vertical Slot Ind	licators			



125 kHz Card Numberii	ıg⁴ (sele	ct one op	tion)											
M - Sequential Match	ing Encod	led/Printe	d (Inkjett	ed) ⁷										
■ N - No Printed Card N	umbering	l												
S - Sequential Encode	ed/Sequer	ntial Non-l	Matching	Printed (In	kjetted)	6								
R - Random Encoded,	/Non-Mate	ching Seq	uential P	rinted (Inkje	etted) ⁶									
A - Sequential Matchi	ng Encode	ed/Printed	d (Laser E	Engraved)										
■ B - Sequential Encode	ed/Sequer	ntial Non-l	Matching	Printed (La	aser Eng	grave	d)							
C - Random Encoded	-		_		-	_								
Option - Custom Artwo Enter your final card op	(Sp	-		ber - Refer					ms for	new artwo	ork)			
Final Part Number											_			(Options #)
iCLASS Card Progra	mming	Informa	ation											
Format Number	Field Name(s) e.g. Facility Code		Va	Value		QTY		Enco	Encoded Start Number		er	Encoded Stop	Number	
HID Elite ICE #									Print	ted Start I	Numbe	r	Printed Stop N	lumber
125 kHz Card Progra	amming	Inform	ation											
Format Number		eld Name(. Facility (•	Va	lue		QTY		Enco	oded Star	t Numb	er	Encoded Stop	Number
									Print	ted Start I	Numbe	r	Printed Stop N	lumber

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

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

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

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

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

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

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



iCLASS Key - 205

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

Base Model	⊠ 205	Base Mod	el							
iCLASS Memory Size and 0 - 2k Bits (256 Bytes) wi 3 - 32k Bits (4K Bytes) Ap 4 - 32k Bits (4K Bytes) Ap	th 2 Application Are	as /2+16k/1)				.24 in [6 mm]		3	
Programming (select one H - Programmed with Se access control application P - Programmed iCLASS C - iCLASS Unprogramment Front Packaging	curity Identity Object on (Recommended) standard access co) ontrol applicati	on only	SS				IGAA		1.55 in [39.4 mm]
N - iCLASS Key II - Black	with blue insert. Inc	ludes HID Sta	ndard Artwo	ork				- 4—1.25 in [31	.75 mm] — →	
Back Packaging N - None										
Key Numbering¹ (select of M - Sequential Matching N - No Printed Key Number S - Sequential Encoded/N A - Sequential Matching B - Sequential Matching C - Random Encoded/N Additional Options³ N - None	Encoded/Printed (pering Sequential Non-Ma on-Matching Seque Encoded/Printed (E Sequential Non-Ma	tching Printed ntial Printed (In Engraved) tching Printed	nkjetted) ³ (Engraved)							
Enter your final card option		e selections.	Example:	2050HNNN			ı			
Final Part Number	205				N		N		N	
iCLASS Key Programm	ning Informatio	n								
Format Number	Field Name(s) Code	e.g. Facility	Value	QTY		Enc	oded Start Numbe	r Encoded S	Stop Number	r
HID Elite ICE #						Prin	ted Start Number	Printed St	op Number	

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

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

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



iCLASS Tag - 206

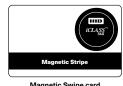
The iCLASS contactless smart Tag can be ordered either with both SIO and iCLASS programming or iCLASS programming only. iCLASS enable existing credentials or non-metallic devices such as cell phones or PDAs by adhering the iCLASS Tag.

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

■ 206 Base Model										
iCLASS Memory Size and		•	option)							
0 - 2k Bits (256 Bytes) wi3 - 32k Bits (4K Bytes) A			/4							
4 - 32k Bits (4K Bytes) A	-									
iCLASS Programming inf ☐ H - Programmed with Se ☐ P - Programmed with iC ☐ C - iCLASS Unprogramm	ormation (ecurity Ident ASS acces ned, for use	select one op ity Object (SIO) s control applic with iCLASS SE	tion) and standard iCLA ation only	ASS access con	trol application. (Recomme	ended)	_			
Front Packaging (select of K - Black with HID Stand										
C - Custom Artwork - Sp	ecify Custo	m Artwork Num	ber ²		/ // -	_ ,	1.285"			
Back Packaging S - Adhesive Backing										
Tag Numbering ¹ (select o	ne option)									
M - Sequential Matching		Printed (Inkjette	ed) ⁴		Front Pac	kaging	→			
N - No Printed Tag Num							0.070"			
S - Sequential Encoded	-	_	· · ·	•	(1.78 mm)					
R - Random Encoded/N	on-Matchin	g Sequential Pr	inted (Inkjetted)*							
Slot Punch N - None										
Option - Custom Artwork	1									
	(Specify	y Artwork Numb	oer - Refer to the Co	ustom Artwork	Forms for new artwork)					
Enter your final Tag optio	ns from ch	eck boxes ab	ove. Example: 20	60HSSNN						
Final Part Number	206			S	N	-	(Options #)			
iCLASS Tag Programm	ning Info	rmation								
			1] [
Format Number		ame(s)	Value	QTY	Encoded Start Numb	per Encod	ed Stop Number			
HID Elite ICE #					Printed Start Numbe	er Printe	d Stop Number			

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





Contact Smart Chip

Magnetic Swipe card

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

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

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

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

2.125

(5.4 cm)

(Base)

Back Packaging

12345 YYYYYYYYYYYY

2.060

(5.23 cm)

(Cover)

Front Packaging

Y = iCLASS Programming

12345 = Card ID Number

YYYYYYYYY = Sales Order Number

3.310

(8.41 cm

0.070

(0.18 cm)

3.370"

(8.57 cm)



iCLASS Clamshell Card - 208

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

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

X	20	80	Base	N	lo	d	el
---	----	----	-------------	---	----	---	----

iCLASS Memory Size and Allocation

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

iCLASS Programming (select one option)

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

Front Packaging (select one option)

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

Back Packaging (select one option)

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

Card Numbering³ (select one option)

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

Slot Punch

X V - Vertical Slot Punch

Option - Custom Artwork²

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

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

Final Part Number	208			V	_	(Options #)

iCLASS Card Programming Information

Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encode
IIID 51% - 105 #				Deimand
HID Elite ICE #				Printed

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

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

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

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



iCLASS + MIFARE Classic - 242

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

Base Model		er / PVC*			
○ 0 - 2k Bits (256 Bytes) (only available with M ○ 3 - 32k Bits (4K Bytes)	nd Allocation (select one option) with 2 Application Areas IFARE Classic 1K) Application areas 16k/2+16k/1 Application areas 16k/16+16k/1				
and iCLASS standard MIFARE Classic progr	ect one option) ed with Security Identity Object (SIO) access control application, rammed with Security Identity Object (SIO) and with Security Identity Object (SIO) and access control application, MIFARE Classic unprogramme	2.125" (5.4 cm)		Front Packagin	g
☐ B - iCLASS programm	ed with iCLASS standard access control application, rammed with HID MIFARE (MIFARE Classic)	- - 	•	3.370" (8.57 cm)	•
MIFARE Classic unpro C - Unprogrammed iC Non-programmed MII A - iCLASS unprogram	LASS, for use with iCLASS SE Encoder,	0.033" = (0.084 cm)		Back Packagin	n.
MIFARE Classic (select M - MIFARE Classic 1 N - MIFARE Classic 4	one option) K Bytes (only available with iCLASS 2k bits) K Bytes		OPTION	IAL MAGNETIO	C STRIPE
Front Packaging (selec G - Plain White with G C - Custom Artwork w			HID iCLASS	12345	12345 ҮҮҮҮҮҮҮҮҮ
1 - Plain White with Gl		n Artwork Number ¹	12345 = Card YYYYYYYYYY	I ID Number Y = Sales Order	r Number
 N - No Printed Card N S - Sequential Encoded R - Random Encoded A - Sequential Matchi B - Sequential Encoded 	ing Encoded/Printed (Inkjetted) ⁵				



Slot	Punch
------	--------------

IMPORTANT:		cy credentials do not a sing a badge holder t			_			
N - No Slot F	unch							
MIFARE Classi M - Sequenti N - No Printe S - Sequenti R - Random A - Sequenti B - Sequenti	c Card Numbering ³ ial Matching Encode d Card Numbering al Encoded/Sequent Encoded/Non-Match al Matching Encoded al Encoded/Sequent Encoded/Non-Match m Artwork ¹	e (select one option d/Printed (Inkjetted) ⁶ ial Non-Matching Printed (Sequential Printed Printed (Laser Engrial Non-Matching Printed (Laser Engria) (Laser Engri	nted (Inkjetted) ⁵ ed (Inkjetted) ⁵ aved) nted (Laser Engrav ed (Laser Engrav	red)	Forms for nev	v artwork)		
Enter your fina	l card options from	n the above selection	ons. Example:	2420HNGGNI	NN			
Final Part Nu	mber				N		-	(Options #)
iCLASS Card	Programming I	nformation						
Format Number		d Name(s) Facility Code	Value	QTY	Encode	d Start Num	ber	Encoded Stop Number
HID Elite ICE #					Printed	Start Number	er	Printed Stop Number
MIFARE Clas	ssic Card Progra	mming Informat	ion					
Format Number		d Name(s) Facility Code	Value	QTY	Encode	d Start Num	ber	Encoded Stop Number
HID Elite ICE #					Printed	Start Number	er	Printed Stop Number
				-				

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

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

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

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

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

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



Back Packaging (select one option)

G - Plain White with Gloss Finish²

C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹

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

1 - Plain White with Gloss Finish with Magnetic Stripe²

iCLASS + MIFARE Classic + Prox Card - 262

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

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

Base Model ■ 262 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas (only available with MIFARE Classic 1K) 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 2.125" Front Packaging (5.4 cm) iCLASS / MIFARE Classic Programming J - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, MIFARE Classic programmed with Security Identity Object (SIO) H - iCLASS programmed with Security Identity Object (SIO) 3.370' and iCLASS standard access control application, (8.57 cm) MIFARE Classic unprogrammed K - iCLASS programmed with Secure Identity Object (SIO) 0.033" and iCLASS standard access control application, (0.084 cm) MIFARE Classic programmed with HID MIFARE (MIFARE Classic) **B** - iCLASS programmed with iCLASS standard access control application, MIFARE Classic programmed with HID MIFARE (MIFARE Classic) P - iCLASS programmed with iCLASS standard access control application. **Back Packaging** MIFARE Classic unprogrammed C - iCLASS unprogrammed, for use with iCLASS SE Encoder, MIFARE Classic unprogrammed A - iCLASS unprogrammed, for use with iCLASS SE Encoder, **OPTIONAL MAGNETIC STRIPE** MIFARE Classic programmed with HID MIFARE (MIFARE Classic). 1/2" (HICO/HIGH ENERGY - 40000E) 12345 HID iCLASS **12345 YYYYYYYYYY** MIFARE Classic (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) N - Unprogrammed HID Prox, for use with iCLASS SE Encoder Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹



iCLASS Card Numbering³ (set M - Sequential Matching En N - No Printed Card Number S - Sequential Encoded/Set R - Random Encoded/Non-N A - Sequential Matching End B - Sequential Encoded/Set C - Random Encoded/Non-I	ncoded/Printe ring quential Non- Matching Sequ coded/Printe quential Non-	Matchi Matchi Jential F d (Lase Matchi	ing Printe Printed (In er Engrav ing Printe	kjetted) ^t ed) ⁴ ed (Lase	r Engrav							
Slot Punch	J											
IMPORTANT: Dual High Frequency credentials do not allow a slot punch due to the antenna design. HID recommends using a badge holder to attach this card to a lanyard or badge clip.												
■ N - No Slot Punch												
MIFARE Classic 13.56 MHz (M - Sequential Matching Er N - No Printed Card Number S - Sequential Encoded/Seq R - Random Encoded/Non-laser Engraved) 125 kHz Card Numbering³ (s M - Sequential Matching Er N - No Printed Card Number S - Sequential Matching Er N - No Printed Card Number S - Sequential Encoded/Seq R - Random Encoded/Non-laser Engraved) B - Sequential Encoded/Seq R - Random Encoded/Non-laser Engraved) C - Random Encoded/Non-laser Engraved) Option - Custom Artwork¹	ncoded/Printering quential Non- Matching Sec coded/Printering quential Non- Matching Sec select one openion of the printering quential Non- Matching Sec coded/Printering quential Non- Matching Sec quential Non- Matching Sec	Matchiquential def (Inkj. Matchiquential def) (Inkj. Matchiquential def) (Lase Matchiquential def) (Lase Matchiquential def) (Matchiquential def) (Matchique	etted) ⁵ ing Printed I Printed Printed I Printed	ed (Inkje (Inkjette ed) ed (Lase (Inkjette ed) ed (Lase	tted) ⁴ r Engrav tted) ⁴ rd) ⁴ r Engrav	ved) tom Artwo		ms for	new ar	rtwork)		
Final Part Number	i ii oiii tiie at	Jove 2	election	S. EXdII	iipie. Zi	024JNGG						(Ontions #)
rillal Falt Number							N			_		(Options #)
iCLASS Card Programmi	ing Inform	ation										
- Card Flogrammi	9	auon										
Format Number	Field Name e.g. Facility			Value	•	QTY		Enco	oded S	Start N	umber	Encoded Stop Number
HID Elite ICE #								Print	ted Sta	art Nui	mber	Printed Stop Number



MIFARE Classic Card Programming Information

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

125 kHz Card Programming Information

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

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

² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo (111) and reference number printed in the lower left-hand on the back of the card. Most part numbers are marked with the sales order number. A custom part number is required to omit all marking from the card. Contact your local support representative for details.

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

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

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



UHF Credentials

UHF Card - 600

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

Base Model			⊠ 600 C	omposi	te 40% Po	lye	ster / P	VC*					
Secure Identity Object F				ect (SIO)						1			
Front Packaging (select G - Plain White with GI C - Custom Artwork w	oss F	inish		y Custom A	Artwork Num	ber ¹			2.125 (5.4 cr		Front Packaging		
Back Packaging (select G - Plain White with Gl C - Custom Artwork wi 1 - Plain White with Gl 3 - Custom Artwork wi	oss F ith G oss F	Finish ² loss Fin Finish w	ish - Specif ith Magneti	c Stripe ²		ber ¹				<u> </u>		3.370" (8.57 cm)	
□ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ UHF Card Numbering³ (select one option) □ N - No Printed Card Numbering □ A - Sequential Matching Encoded/Printed (Laser Engraved) □ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) □ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)									033" = 84 cm)	<u>†</u>		Back Packaging	
Slot Punch N - No Slot Punch										©HID	½" (HICC	ONAL MAGNETIC STRIPE D/HIGH ENERGY - 40000E) 12345 YYYYYYYYYY	
Option - Custom Artwork (Specify Artwork Num Enter your final card op	ber -											UHF YY = Sales Order Number	
Final Part Number		600	Т						N	_		(Options #)	
UHF Programming I	nfor	matio	n ⁵										
Format Number			Name(s) acility Code)	Value		QTY		Enco	ded Start	Number	Encoded Stop Number	
HID Elite ICE #									Print	ed Start N	umber	Printed Stop Number	

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

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

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

⁵ Number of bits should remain below 120 bits.

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



UHF + iCLASS Card - 601

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

Base Model		⊠ 601 (Composit	e 40% Po	lyester / P	VC*		
:01 400 M 0:	l Allt	1						
iCLASS Memory Size 3 - 32k Bits (4K Bytes			0.16k/1					
4 - 32k Bits (4K Bytes								
-	в) Арріїсаціон	areas rok/	10+10K/1					
Card Programming			(0.0)					
S - UHF Programmed iCLASS programmed access control applic	d with standa	rd iCLASS s	standard	O)		2.125" 5.4 cm)		Front Packaging
☐ T - UHF Programmed programmed with S				CLASS				
☐ H - UHF Programme programmed with st		-				<u> </u>		3.370"
C - UHF Programmed unprogrammed for u				CLASS				(8.57 cm)
Front Packaging (sele	-	on)				33" 4 cm)		
C - Custom Artwork	with Gloss Fir	nish - Speci	fy Custom A	rtwork Num	ber ¹	·		
Back Packaging (sele	-	n)						Back Packaging
C - Custom Artwork	with Gloss Fir	nish - Speci	fy Custom A	rtwork Num	ber ¹			
1 - Plain White with 0	Gloss Finish v	vith Magnet	ic Stripe ²					
3 - Custom Artwork of Specify Custom Artwork			agnetic Strip	oe -				OPTIONAL MAGNETIC STRIPE " (HICO/HIGH ENERGY - 40000E)
UHF Card Numbering ³	(select one	option)				(© HID iCLASS UHF	4*12345 12345 YYYYYYYYYY SR
■ N - No Printed Card	•	. ,						NAIFADE LIVIE
A - Sequential Match	ning Encoded	/Printed (La	aser Engrave	ed)				MIFARE UHF
☐ B - Sequential Encod	led/Sequenti	al Non-Mate	ching Printe	d (Laser Eng	raved)		YYYY	YYYY-YY = Sales Order Number
C - Random Encoded	d/Non-Match	ing Sequen	tial Printed	Laser Engra	ved)			
iCLASS Card Numberi N - No Printed Card A - Sequential Match B - Sequential Encode C - Random Encoded	Numbering ning Encoded ded/Sequenti	/Printed (La al Non-Mate	aser Engrave	d (Laser Eng	•			
Slot Punch N - No Slot Punch								
Option - Custom Artw		cify Artwork	Number - R	efer to the C	ustom Artwor	k Forms for	new artwork)	
Enter your final card o	ntions from	the above	selections	s. Example:	6013TGGNI	IN	·	
Final Part Number	600	T T	20.000.011	Aumpie		N	_	(Options #)



UHF Programming Information⁵

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

iCLASS Programming Information

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

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

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

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

⁵ Number of bits should remain below 120 bits.

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



UHF + MIFARE Classic Card - 603

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

· ·						<u> </u>			
Base Model		⊠ 603	Compos	ite 40% F	Polyeste	r / PVC*			
Card Programming									
J - UHF Programmed MIFARE programmed						7			
P - UHF Programmed MIFARE non-program		Identity O	bject (SIO),						
☐ H - UHF Programmed MIFARE programmed		,				2.125" (5.4 cm)		Fro	ont Packaging
K - UHF Programmed MIFARE custom prog		-	-						
MIFARE Memory Size a	and Allocat	ion							
M - 4K Bytes							◀		3.370"
Front Packaging (selec	ct one optio	n)							(olor olli)
G - Plain White with G	loss Finish					0.033"			
C - Custom Artwork w	vith Gloss Fi	nish - Spec	ify Custom	Artwork Nu	mber ¹	(0.084 cm)			
Back Packaging (selection G - Plain White with G		n)							
C - Custom Artwork w	vith Gloss Fir	nish - Spec	ify Custom	Artwork Nu	ımber ¹			Ba	ck Packaging
1 - Plain White with G	loss Finish v	vith Magne	tic Stripe ²						-
3 - Custom Artwork w Specify Custom Artw	ith Gloss Fir	nish with M	-	ipe -					
UHF Card Numbering ³	(select one	ontion)							AL MAGNETIC STRIPE
■ N - No Printed Card N	•	opuo,						%2" (HICO/F	HIGH ENERGY - 40000E)
A - Sequential Matchi	_	/Printed (L	aser Engra	ved)			(CHID O	HE ME 1M4P	4*12345 12345 YYYYYYYYYY SR
B - Sequential Encode	_		_		ngraved)4				MIEADE IIIE
C - Random Encoded									MIFARE UHF
Slot Punch							`	/YYYYYYYY	′ = Sales Order Number
MIFARE Card Numberin N - No Printed Card N	•	one optio	n)						
A - Sequential Matchi	ing Encoded	/Printed (L	aser Engra	ved)					
C - Random Encoded	/Non-Match	ing Seque	ntial Printed	d (Laser Eng	raved)				
☐ B - Sequential Encode	ed/Sequenti	al Non-Ma	tching Print	ted (Laser E	ngraved)				
Option - Custom Artwo	rk¹								
Specify Artwork Num		to the Cust	om Artwork	Forms for i	new artwor	k)			
Enter your final card op	ptions from	the above	e selectio	ns. Exampl	le: 603JM	GGANA			
Final Part Number	603						N		(Options #)



UHF Programming Information⁵

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

MIFARE Programming Information

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

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

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

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

⁵ Number of bits should remain below 120 bits.

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



HID Proximity Credentials

ProxCard II Card - 1326

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

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

125 kHz Card	Programming	Information

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

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

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

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



DuoProx II Card - 1336 / 1536

Base Model		□ 1336	Standard	PVC	☐ 1536 Composite 40% Polyester / PVC*							
125 kHz Programming L - Programmed with N - Unprogrammed H	HID Prox or	Indala form		oder		7						
Front Packaging (selection of the PVC with t	v/ Gloss Fini	sh	Custom Art	work Number ¹		2.125" 5.4 cm)		Front Packaging				
Back Packaging (selection G - Plain White PVC v	v/ Gloss Fini	sh ²	2									
C - Custom Artwork	w/ Gloss Fini	sh - Specify	Custom Art	work Number ¹	.2	ı	-		(;	3.370" 8.57 cm)		
Card Numbering³ (sele	hing Encode		nkjetted) ⁵		0.0 (0.08		= ===					
 N - No Printed Card Numbering S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵ A - Sequential Matching Encoded/Printed (Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Engraved) C - Random Encoded/Non-Matching Sequential Printed (Engraved) 					(0.00-	FOIII)		Duo	Pro		DRPORATION	
Slot Punch ⁴ (select on		iiiig Sequeii	ıtıaı Filliteu (Liigiaveuj				Duo.		LETIC STRIE	ΡE	
N - No slot punch, Pr		l and Horizo	ontal Slot Ind	icators				(1/2"		gh Energy - 4		
V - Vertical Slot Punc	h, Printed Ho	orizontal Slo	t Indicators					D			12345 YYYYYY	<u> </u>
☐ H - Horizontal Slot Pu	unch, Printed	Vertical Slo	t Indicators						Card ID I	Number Sales Order I	Number	
Option - Custom Artwo	(Spec			efer to the Cus		Forms fo	or new	Artwork)				
Enter your final card o	ptions from	CHECK DO	kes above.	Example: 133	BOLGGMIN						(Onti	ons #)
I iliai F ai (Nullibei											(Ори	π)
125 kHz Card Progr	ramming I	nformati	on									
Format Number		Name(s) Facility Cod	le	Value	QTY	Er	ncode	d Start Nu	ımber	Encoded	Stop Numb	er
						Pr	rinted	Start Nun	nber	Printed St	op Number	
										1		



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



ProxKey III Keyfob - 1346

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

■ 1346 Base Model

Programming (select one option)

☐ L - Programmed with HID Prox or Indala format

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

Front Packaging

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

Back Packaging

S - Standard

Keyfob Numbering² (select one option)

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



Y = iCLASS Programming 12345 = Card ID Number

.24 in

[6 mm]

YYYYYYYYY = Sales Order Number

Additional Options⁴

N - No Option

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

Final Part Number	1346			S		N
-------------------	------	--	--	---	--	---

125 kHz ProxKey Programming Information

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

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

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

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

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



ISOProx II Card - 1386 / 1586

Base Model		□ 1386	Standard	IPVC	□ 1586	Composit	e 40% Poly	yeste	er / PVC*
125 kHz Programming (s L - Programmed with H N - Unprogrammed HID	ID Prox or I	ndala format		oder					
Front Packaging (select G - Plain White PVC w/ C - Custom Artwork w/	one optior Gloss Finisl	i) h			(5.	125" 4 cm)		Fron	t Packaging
Back Packaging (select G - Plain White PVC w/ C - Custom Artwork w/	Gloss Finisl	h ²	ustom Artw	vork Number	-1,2				3.370"
Card Numbering (select M - Sequential Matchin	g Encoded,	•	jetted)5		0.033 (0.084				3.57 cm)
N - No Printed Card Nu S - Sequential Encoded R - Random Encoded/N A - Sequential Matching B - Sequential Encoded C - Random Encoded/N	/Sequentia Ion-Matchii g Encoded/ /Sequentia	ng Sequentia Printed (Eng I Non-Match	al Printed (In graved) ning Printed	nkjetted) ⁵ (Engraved)				Back	ι Packaging
Slot Punch ⁴ (select one of N - No slot punch, Print V - Vertical Slot Punch, H - Horizontal Slot Punch Option - Custom Artwork	ed Vertical a Printed Hor ch, Printed \	izontal Slot I /ertical Slot I	ndicators Indicators		om Artwork Fo				12345 YYYYYYYYYYYY Number ales Order Number
Enter your final card opt	ions from	check boxe	s above. E	xample: 13	886LGGMN				
Final Part Number							_		(Options #)
125 kHz Card Prograi	nming In	formatio	า						
Format Number		Name(s) acility Code		Value	QTY	Encode	ed Start Num	ber	Encoded Stop Number
						Printed	Start Number	er	Printed Stop Number

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

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

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

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

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

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



ProxPass II Active Vehicle Identification Tag - 1351

(Compatible with MaxiProx® 5375)

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

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

125 kHz Tag Programming Information¹

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

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

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

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



MicroProx Tag Proximity - 1391

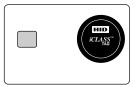
Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

□ 1391 Base Model						
Programming (select one L - Programmed with HID N - Unprogrammed HID Front Packaging (select of S - Gray with HID Standar G - Plain Gray Finish, (No C - Custom Artwork - Spector Back Packaging³ S - Adhesive Backing Tag Numbering² (select or M - Sequential Matching N - No Printed Tag Number	Prox or Indala format Prox for use with iCLASS SE Ine option) rd Artwork Artwork) rcify Custom Artwork Number re option) Encoded/Printed (Inkjetted)	er1 3		Mic	HID° CROPROX° TAG	1.285" (32.639mm 0.070" (1.78 mm)
_	n-Matching Sequential Print					
Optional Custom Artwork¹ Enter your final Tag option	(Specify Artwork Number			Forms for new Artwo	rk)	
Final Part Number	1391		S	N	-	(Options #)
125 kHz Tag Programn	ning Information					
	-					
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start	Number E	ncoded Stop Number
				Printed Start N	umber F	Printed Stop Number

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

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

MicroProx Placement





Contact Smart Chip

Magnetic Swipe card

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

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

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



Direct Image PVC Glossy Label Part Numbers

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

Notes:

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



Indala 125 kHz Credential

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

All card orders must have the following information:

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

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

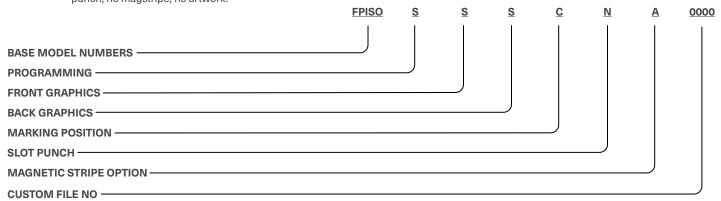
- SLOT PUNCH Specifies slot location if available.
- . CARD OPTIONS Applies to FlexCard™ (Base Model FPCRD/CXCRD) only.
- · MAGNETIC STRIPE OPTION Specifies if card is to have a magstripe and which type (ISO Imageable Cards only).
- CUSTOM FILE NUMBER Specifies the artwork number to be used.



FPISO - FlexPass Imageable Card

Standard Part No.: FPISO-SSSCNA-0000

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



BASE MODEL NUMBERS

FPISO FlexISO Proximity Card

FPWGD FlexISO Proximity and Wiegand Combination Card

FPIXT FlexISO XT Composite Proximity Card

PROGRAMMING

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

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

FRONT GRAPHICS

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

BACK GRAPHICS

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

MARKING POSITION

Note: Standard Marking is Label Code E153, which is Sales Order number & matching 5 digit internal ID number, is used unless otherwise specified.

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)

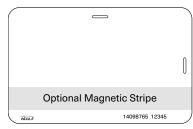
MAGNETIC STRIPE OPTION

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)



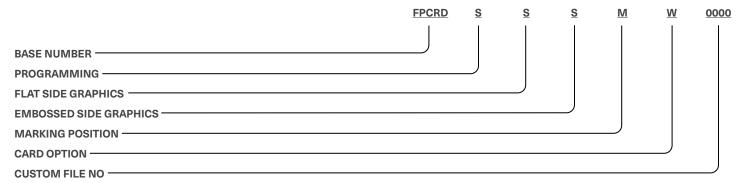
Position C



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.
- 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)

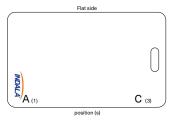
CARD OPTION

- 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



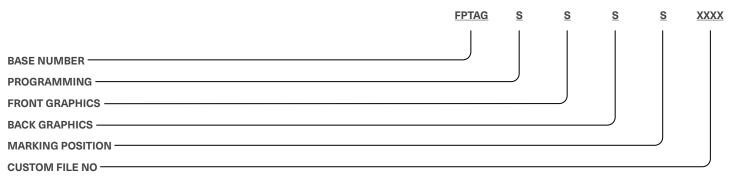




FPTAG - FlexTag

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.

S = Standard (back side on printed strip)

CUSTOM FILE NUMBER XXXX (4 Characters - Factory Assigned)

0002 = No Artwork

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

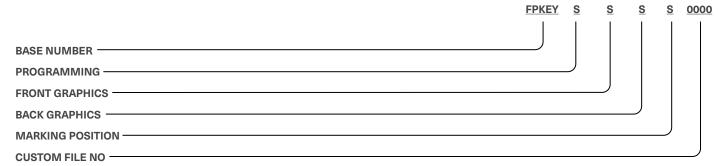
In order to support laser marking technology HID will be transitioning from a white release paper to a black release paper. Please consult your sales Account Manager for more information.



FPKEY - FlexKey Keytag

Standard Part No.: FPKEY-SSSS-0000

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



BASE NUMBER

FPKEY - 125 kHz Keytag Type Proximity Card

PROGRAMMING

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

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

FRONT GRAPHICS

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

BACK GRAPHICS

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

MARKING POSITION

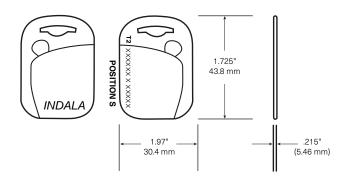
Notes:

- Standard Marking or Label Code E201, which is a shortened version of the Sales Order number & matching internal ID number, is used unless otherwise specified.
- Inkjet marking is surface printed and, therefore is not to be considered permanent. Most Keytag marking will be with Laser etching which is permanent in most applications.
- 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 10.0.2.4 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 option 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 10.0.2.4 or higher.

Custom Profile

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

	Base Part Number				DESFire Compatibility		
	Mifare DESFire EV3	Mifare DESFire EV3 + Prox	Mifare DESFire EV3 + iCLASS	Mifare DESFire EV3 + iCLASS + Prox	Readers	CP1000	
High Security Profile	802	812	822	832	Signo Reader (firmware 10.0.2.4 or greater)	Custom Application Programming with Non-Diversified keys	
Compatibility Profile	801	811	821	831	Signo Reader, iCLASS SE, multiCLASS SE	EV1 SIO and Custom Application Programming	
Custom Profile	800	810	820	830	iCLASS SE "W" Custom Profile, multiCLASS SE "W" Custom Profile	EV1 Custom Application Programming	



MIFARE DESFire EV3 Card: High Security Profile - 802

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

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

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

Base Model	⊠ 802 Composi	te (40% Polye	ster/PVC)				
MIFARE DESFire EV3 Me	emory Size			 	(8	3.370" 3.57 cm)	
-	Programming ¹ EV3 Secure Identity Object (SIO) ap I for improved privacy of user data.	-	-				
Front Packaging (select G - Plain White with Glo C - Custom Artwork with		Artwork Number ³	2.125" (5.4 cm)		Fron	t Packaging	
Back Packaging (select G - Plain White with Glo	oss Finish²		-	<u> </u>			
	oss Finish with Magnetic Stripe ² th Gloss Finish – Specify Custom A	Artwork Number ^{2,3}	0.033" 	=	Share	ed Card Edge	
_	th Gloss Finish with Magnetic Strip		(0.004 0111)				
A - Sequential Matchin	umbering, sales number marking on ng Encoded/Printed (Laser Engrav	ed)	,		Back	c Packaging	
<u> </u>	d/Sequential Non-Matching Printe Non-Matching Sequential Printed	_)				
Slot Punch N - No Slot Punch.				© HID DESF	ire D83X	12345 YYYYYYYYY SE	хт
	entials do not allow a slot punch du Ige holder to attach this card to a la				5 = Card ID N YYYY-YY = Sa	umber ales Order Number	
Option - Custom Artwor	k ¹ (Specify Artwork Number - Ref	fer to the Custom A	Artwork Forms fo	or new Artw	ork)		
Enter your final card opt	tions from check boxes above.	Example: 802FP	PEGAN				
Final Part Number	802 F P			N	_		(Options #)
DESFire EV3 Card Pr	ogramming Information						
Format Number	Field Name(s)	Value	QTY	Encoded Sta	art Number	Encoded Stop N	umber

Printed Start Number

Printed Stop Number

e.g. Facility Code

HID Elite ICE

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

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

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

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



MIFARE DESFire EV3 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 10.0.2.4 or higher.

Base Model 801 Composite (40% Po	lyester/PVC)				
MIFARE DESFire EV3 Memory Size ☑ F - 8K Bytes	_	-		3.370" (8.57 cm)	
DESFire Secure Identity Object Programming¹ □ P - Programmed with legacy EV1 Secure Identity Object (SIO) application plus EV3 Secure Identity Object (SIO) application □ V - Unprogrammed for use with iCLASS SE Encoder (EV1 compatible SIO application programming only)	2.125" (5.4 cm)		Fro	ont Packaging	
Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ³	0.033"		Sha	red Card Edge	
Back Packaging (select one option) G - Plain White with Gloss Finish ² 1 - Plain White with Gloss Finish with Magnetic Stripe ² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number ^{2,3}	(0.084 cm)			ck Packaging	
Card Numbering⁴ (select one option) N - No Printed Card Numbering, sales number marking only A - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engra			15 = Card ID	12345 YYYYYYYYYY SE Number Sales Order Number	хт
IMPORTANT: 801 credentials do not allow a slot punch due to antenna d Use a badge holder to attach this card to a lanyard or badg Option - Custom Artwork³ Specify Artwork Number - Refer to the Custom Artwork Number - Refer Number - Re	e clip.	for now Ar	twork)		
Enter your final card options from check boxes above. Example: 80 Final Part Number 801 F		N N		(0p	tions #)



DESFire EV3 Card Programming Information

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

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

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

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

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



MIFARE DESFire EV3 Card: Custom Profile - 800

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

Base Model	⊠ 800 Compo	⊠ 800 Composite (40% Polyester/PVC)					
MIFARE DESFire EV3 Memory Size F - 8K Bytes		-		3.370" (8.57 cm)			
DESFire Programming (select one option) ☐ N - Unprogrammed DESFire EV3 for use with iCLASS SE Encoder (EV1 custom encoding only) or third-party EV1, EV2 or EV3 applications ☐ S - Custom MIFARE DESFire EV1, EV2 or EV3 programming, requires custom part number¹	2.125" (5.4 cm)		Fro	nt Packaging			
Front Packaging (select one option) G - Plain White with Gloss Finish ² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number	.3 V						
Back Packaging (select one option) G - Plain White with Gloss Finish ²	0.033" 		Sha	red Card Edge			
1 - Plain White with Gloss Finish with Magnetic Stripe ² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number ^{2,3}	, /		Ва	ck Packaging			
Card Numbering⁴ (select one option) ☐ N - No Printed Card Numbering, sales number marking only ☐ A - Sequential Matching Encoded/Printed (Laser Engraved) ☐ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)		© HID DESFire D8	3X	12345 YYYYYYYYY SE	хт		
C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)Z - Reversed UID (CSN) Decimal card numbering only(Laser Engraved)	1)						
Slot Punch N - No Slot Punch.			Card ID YY-YY = \$	Number Sales Order Number			
IMPORTANT: 80 credentials do not allow a slot punch due to antenna des Use a badge holder to attach this card to a lanyard or badge	•						
Option - Custom Artwork (Specify Artwork Number - Refer to the Custom Specify Artwork Number - Refer to the Cu	om Artwork Forms fo	or new Artwo	rk)				
Final Part Number 800 F	I HOOM	N	-	(Options #)		



DESFire EV3 Card Programming Information

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

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

PLT-02630, Rev D.4 124 May 2023

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

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

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



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

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

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

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

 ■ 812 Composite (40% Polyester/PVC) **Base Model MIFARE DESFire EV3 Memory Size** 3.370' ▼ F-8K Bytes (8.57 cm) **DESFire Secure Identity Object Programming¹** P - Programmed with EV3 Secure Identity Object (SIO) application. Based on Random UID for improved privacy of user data. **Prox Programming (select one option)** 2.125" **Front Packaging** (5.4 cm) P - Programmed with HID Prox or Indala format N - Unprogrammed HID Prox for iCLASS SE encoder (CP1000) Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish -0.033" = **Shared Card Edge** Specify Custom Artwork Number³ (0.084 cm) **Back Packaging (select one option)** ☐ **G** - Plain White with Gloss Finish² 1 - Plain White with Gloss Finish with Magnetic Stripe² **Back Packaging** 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} **DESFire Card Numbering⁴ (select one option)** 12345 YYYYYYYYYY SE N - No Printed Card Numbering □ A - Sequential Matching Encoded/Printed (Laser Engraved) 12345 = Card ID Number **B** - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) YYYYYYYYY = Sales Order Number ☐ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) **Slot Punch** N - No Slot Punch. IMPORTANT: 812 credentials do not allow a slot punch due to antenna design. Use a badge holder to attach this card to a lanyard or badge clip. 125 kHz Card Numbering4 N - No Printed Card Numbering ■ A - Sequential Matching Encoded/Printed (Laser Engraved) **B** - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) ☐ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Option - Custom Artwork³ (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)

N

(Options #)

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

F

812

Final Part Number

P



DESFire EV3 Card Programming Information

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

DESFire EV3 Card Programming Information

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

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

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

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

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

(Options #)



Final Part Number

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 10.0.2.4 or higher.

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

Base Model 811 Composite (40% Polyes	ter/PVC)			
MIFARE DESFire EV3 Memory Size F - 8K Bytes	<u> </u>	◄	3.370" (8.57 cm)	
DESFire Secure Identity Object Programming¹ ☐ P - Programmed with legacy EV1 Secure Identity Object (SIO) application plus EV3 Secure Identity Object (SIO) application. ☐ V - Unprogrammed for use with iCLASS SE Encoder (EV1 compatible SIO application programming only)	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)				
Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number ³	0.033" = (0.084 cm)		Shared Card Edge	;
Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number².³ ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number².³			Back Packaging	
13.56 MHz DESFire Card Numbering ⁴ (select one option) N - No Printed Card Numbering A - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)	(DESFire D83X 12345 = Card YYYYYYY-YY	ID Number / = Sales Order Number	хт
Slot Punch N - No Slot Punch. IMPORTANT: 811 credentials do not allow a slot punch due to antenna design Use a badge holder to attach this card to a lanyard or badge clip				
125 kHz Card Numbering ⁴ N - No Printed Card Numbering A - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Option - Custom Artwork ³				
[Specify Artwork Number - Refer to the Content of t		rms for new Artw	vork)	

N



DESFire EV3 Card Programming Information

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

125 kHz Card Programming Information

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

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

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

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

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



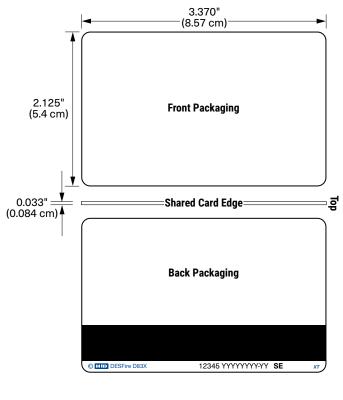
MIFARE DESFire EV3 + Prox: Custom Profile - 810

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.

Base Model	⊠ 810 Composite (40% Polyest)	er/PVC)
MIFARE DESFire EV3 Memory Si F - 8K Bytes DESFire EV3 DESFi	ize ire Programming (select one option)	
DESFire Programming (select or N - Unprogrammed for use with (EV1 custom encoding only) or t S - Custom EV1, EV2 or EV3 pro (custom part number required)¹¹	niCLASS SE Encoder third-party EV1, EV2 or EV3 applications. ogramming	2.12 (5.4 c
Prox Programming (select one of prox Programmed with HID Prox of programmed HID Prox for the pr	or Indala format	
Front Packaging (select one opt G - Plain White with Gloss Finish C - Custom Artwork with Gloss I Specify Custom Artwork Number	h Finish -	0.033" = (0.084 cm
Back Packaging (select one option of the control of	h ² n with Magnetic Stripe ² Finish - er ^{2,3} Finish with Magnetic Stripe -	
_		
Slot Punch N - No Slot Punch.		
	not allow a slot punch due to antenna design. r to attach this card to a lanyard or badge clip.	



12345 = Card ID Number YYYYYYYYY = Sales Order Number

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



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

Final Par	t Number	810	F						N		_	(Options #)
-----------	----------	-----	---	--	--	--	--	--	---	--	---	-------------

DESFire EV3 Card Programming Information

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

125 kHz Card Programming Information

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

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

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

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

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



MIFARE DESFire EV3 + iCLASS 32k Technology Card: High Security Profile - 822

Best in class security and privacy on EV3, programmed with an enhanced application that leverages the new features of EV3 plus a Secure Identity Object (SIO). Offers iCLASS technology to simplify card issuance for diverse systems or migration projects.

DESFire EV3 Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

IMPORTANT - 822 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.

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

■ 822 Composite (40% Polyester/PVC) **Base Model MIFARE DESFire EV3 Memory Size** 3.370" ▼ F-8K Bytes (8.57 cm) **iCLASS 32K Memory Configuration** 3 - 32k bit (4K bytes) application areas 16k/2+16k/1 4 - 32k bits (4K bytes) application areas 16k/16+16k/1 2 125" **Front Packaging DESFire Secure Identity Object Programming¹** (5.4 cm) P - Programmed with enhanced EV3 application with Secure Identity Object (SIO) Based on random UID for improved ISO14443A privacy of user data. Compatible with Signo Reader firmware 10.0.2.4 or higher. This profile is not compatible with iCLASS/MultiCLASS rev E. iCLASS Programming (select one option) 0.033" Shared Card Edge (0.084 cm) P - Programmed with Secure Identity Object (SIO) S - Programmed with Secure Identity Object (SIO) and standard iCLASS access control application H - Programmed with standard iCLASS access control application **Back Packaging** C - Unprogrammed for use with iCLASS SE Encoder (standard iCLASS application programming only) Front Packaging (select one option) G - Plain White with Gloss Finish 12345 YYYYYYYYYY SE C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number³ **Back Packaging (select one option)** 12345 = Card ID Number ☐ **G** - Plain White with Gloss Finish² YYYYYYYYY = Sales Order Number 1 - Plain White with Gloss Finish with Magnetic Stripe² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number^{2,3} **DESFire 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.



iCLASS Card Numb	ering⁴	(select o	one opti	on)								
■ N - No Printed Ca	rd Num	bering, s	ales num	ber mark	ing only							
A - Sequential Ma	tching I	Encoded	/Printed	(Laser En	graved)							
☐ B - Sequential End	coded/S	Sequentia	al Non-M	atching P	rinted (La	ser Eng	raved)					
C - Random Enco	ded/No	n-Match	ing Sequ	ential Prir	nted (Lase	r Engra	ved)					
Option - Custom Ar	twork³	(0	A I	NII.	D. C. I.				.	. 1)		
Ш		_(Ѕресіту	Artwork	Number	- Refer to	tne Cus	stom Artwor	K Forms	for new Arti	work)		
Enter your final care	d optio	ns from	check b	oxes ab	ove. Exai	mple: 8	22F4PPG	SANA				
Final Part Number	822	F		Р					N		_	(Options #)
												, , , ,
DESFire EV3 Car	d Pro	gramm	ing Info	ormatio	n							
Format Number			Name(s)		Va	lue	QTY		Encoded S	Start Numl	ber	Encoded Stop Number
HID Elite ICE/MOB	#								Printed Sta	art Numbe	er	Printed Stop Number
iCLASS Card Pro	gramı	ming Ir	ıformat	tion								
Format Number			Name(s) acility Co		Va	lue	QTY		Encoded 9	Start Numl	ber	Encoded Stop Number
HID Elite ICE									Printed Sta	art Numbe	er	Printed Stop Number

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

² Cards ordered with plain white front and back packaging, or with custom artwork, will still have the HID logo and reference artwork "HID" printed in the lower left-hand corner. A custom part number is required to omit the HID logo and reference artwork.

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

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.

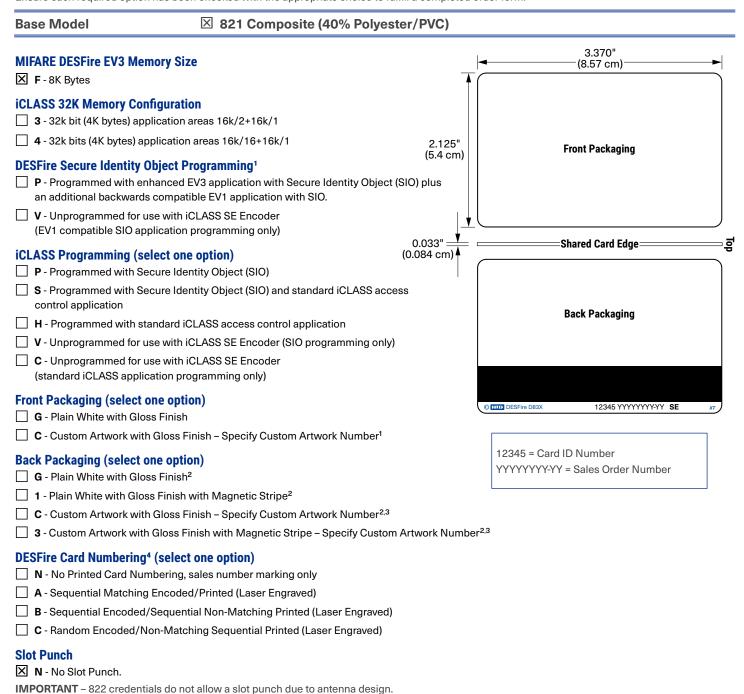


MIFARE DESFire EV3 + iCLASS Card: Compatibility Profile - 821

Offers the flexibility of DESFire EV3 backwards compatibility with iCLASS SE readers and third-party applications that rely on static UID. Programmed additionally with the enhanced application that leverages the new features of EV3 plus a Secure Identity Object (SIO) that is supported by HID Signo readers with firmware 10.0.2.4 or greater. Offers iCLASS technology to simplify card issuance for diverse systems or migration projects.

DESFire EV3 Compatibility: Supported by HID Signo reader, iCLASS SE and multiCLASS SE.

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



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



iCLASS Card Numb	ering⁴ ((select o	one opti	on)								
■ N - No Printed Ca	rd Numl	bering, s	ales num	nber mark	ing only							
A - Sequential Ma	atching E	Encoded	/Printed	(Laser En	igraved)							
☐ B - Sequential En	coded/S	Sequenti	al Non-M	latching F	Printed (La	ser Eng	graved)					
C - Random Enco	ded/No	n-Match	ing Sequ	ential Pri	nted (Lase	r Engra	aved)					
Option - Custom Ar	twork ³											
		_(Specify	y Artwork	k Number	- Refer to	the Cus	stom Artwor	k Forms	s for new Art	work)		
Enter your final car	d optio	ns from	check b	ooxes ab	ove. Exai	nple: 8	321F4PPG	SANA				
Final Part Number	821	F							N		-	(Options #)
							<u> </u>		'			<u>'</u>
DESFire EV3 Car	rd Prog	gramm	ing Inf	ormatio	n							
Format Number		Field Name(s) e.g. Facility Code		Va	lue	QTY		Encoded Start Number		ber	Encoded Stop Number	
HID Elite ICE							_		Printed St	art Numbe	er	Printed Stop Number
iCLASS Card Pro	gramı	ming Ir	nforma	tion							1	
Format Number			Name(s	•	Va	lue	QTY		Encoded S	Start Numl	ber	Encoded Stop Number
HID Elite ICE									Printed St	art Numbe	er	Printed Stop Number

 $^{^{\}rm 1}\,\rm Card$ allows free create/delete of third-party applications.

² Cards ordered with plain white front and back packaging, or with custom artwork, will still have the HID logo and reference artwork "HID" printed in the lower left-hand corner. A custom part number is required to omit the HID logo and reference artwork.

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

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.



MIFARE DESFire EV3 + iCLASS 32K Card: Custom Profile - 820

Available customized to bespoke specifications, or unprogrammed for full in-field personalization compatible with EV1, EV2, or EV3 compliant solutions. Offers iCLASS technology to simplify card issuance for diverse systems or migration projects.

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

IMPORTANT - 820 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.

Card <u>without</u> SIO encoding Base Model ⊠ 820 Composite (40% Polyes	ster/PVC)			
			3.370"	
MIFARE DESFire EV3 Memory Size	_		(8.57 cm)	$\overline{}$
F - 8K Bytes	Ţ			
iCLASS 32K Memory Configuration				
3 - 32k bit (4K bytes) application areas 16k/2+16k/1				
4 - 32k bits (4K bytes) application areas 16k/16+16k/1	2.125" (5.4 cm)		Front Packaging	
DESFire Programming¹ (select one option) ☐ N - Unprogrammed DESFire EV3 for use with iCLASS SE Encoder (EV1 custom encoding only) or third-party EV1, EV2, or EV3 applications.				
S - Custom MIFARE DESFire EV1, EV2, or EV3 programming,	<u> </u>			
requires custom part number.	0.033"		Shared Card Edge	
iCLASS Programming (select one option)	(0.084 cm)			一,
☐ P - Programmed with Secure Identity Object (SIO)				
S - Programmed with Secure Identity Object (SIO) and standard iCLASS accontrol application	ess		Back Packaging	
☐ H - Programmed with standard iCLASS access control application			3 3	
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	·)			
☐ C - Unprogrammed for use with iCLASS SE Encoder (standard iCLASS application programming only)				
Front Packaging (select one option)		© HID DESFire D83X	12345 YYYYYYYYYY SE	хт
G - Plain White with Gloss Finish				_
☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ³				\neg
Back Packaging (select one option) ☐ G - Plain White with Gloss Finish²		12345 = Card	I ID Number Y = Sales Order Number	
☐ 1 - Plain White with Gloss Finish with Magnetic Stripe ²				
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $				
3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custon	m Artwork Numbe	r ^{2,3}		
DESFire Card Numbering ⁴ (select one option) N - No Printed Card Numbering, sales number marking only A - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) Z - Reversed UID (CSN) decimal card numbering only (Laser Engraved) ⁵				
Slot Punch N - No Slot Punch.				



iCLASS Card Numb	ering⁴ (select (one opti	on)										
■ N - No Printed Ca	rd Numb	ering, s	ales num	ıber ma	rking only									
A - Sequential Ma	atching E	ncoded	/Printed	(Laser E	Engraved)									
☐ B - Sequential En	coded/S	equenti	al Non-M	latching	Printed (La	aser Enç	graved)							
Option - Custom Ar		(Specify	/ Artwork	(Numbe	er - Refer to	the Cus	stom Artv	ork Fo	orms for new	Artwo	ork)			
Enter your final car	d optior	s from	check b	oxes a	bove. Exa	mple: 8	320F4NF	GGNN	IA					
Final Part Number	820	F							1	ı		_		(Options #)
							<u> </u>			,			<u> </u>	
DESFire EV3 Car	d Prog	ramm	ing Info	ormat	ion									
Format Number			Name(s	•	Va	alue	QT	Y	Encod	ed Sta	art Numi	ber	Encoded	Stop Number
									Printe	d Star	t Numbe	er	Printed S	top Number
iCLASS Card Pro	gramn	ning Ir	nforma	tion										
									, ,					
Format Number			Name(s acility C	•	Va	alue	QT	Y	Encod	ed Sta	art Numl	ber	Encoded	Stop Number
HID Elite ICE									Printe	d Star	t Numbe	er	Printed S	top Number

¹ For custom programming options please contact your local sales or pre-sales representative.

² Cards ordered with plain white front and back packaging, or with custom artwork, will still have the HID logo and reference artwork "HID" printed in the lower left-hand corner. A custom part number is required to omit the HID logo and reference artwork.

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

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.

⁵ If selecting DESFire marking option "Z" there will not be room to mark any other technologies.



MIFARE DESFire EV3 + iCLASS 32K + Prox Card: High Security Profile - 832

Best in class security and privacy on EV3, programmed with an enhanced application that leverages the new features of EV3 plus a Secure Identity Object (SIO). Offers iCLASS and 125kHz technology to simplify card issuance for diverse systems or migration projects.

DESFire EV3 Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

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

 ■ 832 Composite (40% Polyester/PVC) **Base Model MIFARE DESFire EV3 Memory Size** 3.370" ▼ F-8K Bytes (8.57 cm) **iCLASS 32K Memory Configuration** 3 - 32k bit (4K bytes) application areas 16k/2+16k/1 4 - 32k bits (4K bytes) application areas 16k/16+16k/1 2 125" **Front Packaging DESFire Secure Identity Object Programming¹** (5.4 cm) P - Programmed with enhanced EV3 application with Secure Identity Object (SIO) Based on random UID for improved privacy of user data. Compatible with Signo Reader firmware 10.0.2.4 or higher. This profile is not compatible with iCLASS/MultiCLASS rev E. iCLASS Programming (select one option) 0.033" Shared Card Edge (0.084 cm) ☐ P - Programmed with Secure Identity Object (SIO) S - Programmed with Secure Identity Object (SIO) and standard iCLASS access control application H - Programmed with standard iCLASS access control application **Back Packaging** C - Unprogrammed for use with iCLASS SE Encoder (standard iCLASS application programming only) 125kHz Programming (select one option) P - Programmed with HID Prox or Indala format. © HID DESFire Px D83X 12345 YYYYYYYYYY SE N - Unprogrammed HID Prox for iCLASS SE encoder (CP1000) Front Packaging (select one option) 12345 = Card ID Number G - Plain White with Gloss Finish YYYYYYYYY = Sales Order Number C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number² **Back Packaging (select one option) G** - Plain White with Gloss Finish² 1 - Plain White with Gloss Finish with Magnetic Stripe² ■ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number^{2,3} 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom Artwork Number^{2,3} **DESFire Card Numbering⁴ (select one option)** N - No Printed Card Numbering ☐ A - Sequential Matching Encoded/Printed (Laser Engraved) ■ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) ■ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) **Slot Punch** N - No Slot Punch. IMPORTANT - 832 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.



iCLASS Card Num ☐ N - No Printed C ☐ A - Sequential N	Card Nu	ımberi	ing	-		raved)								
 ■ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) ■ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved) 														
			1atching	Sequer	itial Print	ed (Lase	r Engr	raved)						
125 kHz Card Nur N - No Printed C A - Sequential N	Card Nu	ımberi	-	into al (1)		**************************************								
B - Sequential E		_			_		ser Fn	ngraved)						
C - Random End														
Option - Custom		(S _I						ustom Artwo			Artwork)			
Enter your final ca	ard opt	tions 1	from ch	eck bo	kes abov	/e. Exan	nple:	832F4PPP	GGANA	N N			T _	(Options #)
i mari are ramber	002	•												(Options #)
DESFire EV3 C	ard Pr	rogra	mming	Infor	mation)								
Format Number			Field Na e.g. Faci		le	Val	ue	QTY		Encode	ed Start I	Number	Enco	oded Stop Number
HID Elite ICE		-								Printed	Start No	umber	Print	ted Stop Number
		1 -												
iCLASS Card P	rogra	mmir	ng Info	rmatio	on									
Format Number			Field Na e.g. Faci		le	Val	ue	QTY		Encode	ed Start I	Number	Enco	oded Stop Number
HID Elite ICE										Printed	Start No	umber	Print	ed Stop Number
125kHz Card P	rograi	mmir	ng Info	rmatio	n									
		7												
Format Number			Field Na e.g. Faci		le	Val	ue	QTY		Encode	ed Start I	Number	Enco	oded Stop Number
		┙┝											_	
										Printed	Start No	umber	Print	ted Stop Number

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

² Cards ordered with plain white front and back packaging, or with custom artwork, will still have the HID logo and reference artwork "HID" printed in the lower left-hand corner. A custom part number is required to omit the HID logo and reference artwork.

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

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.

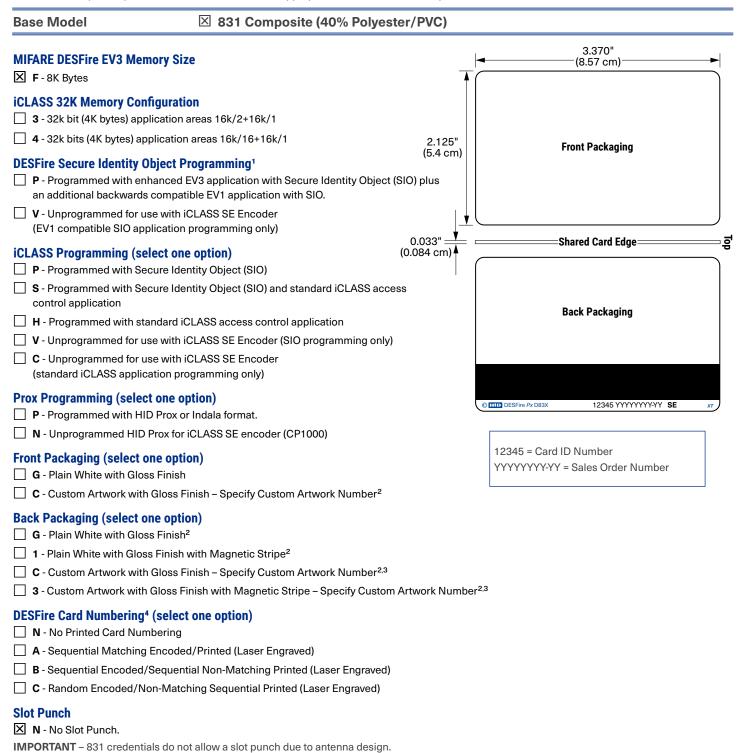


MIFARE DESFire EV3 + iCLASS + Prox Card: Compatibility Profile - 831

Offers the flexibility of DESFire EV3 backwards compatibility with iCLASS SE readers and third-party applications that rely on static UID. Programmed additionally with the enhanced application that leverages the new features of EV3 plus a Secure Identity Object (SIO) that is supported by HID Signo readers with firmware 10.0.2.4 or greater. Offers iCLASS and 125kHz technology to simplify card issuance for diverse systems or migration projects.

Compatibility: Supported by HID Signo reader, iCLASS SE and multiCLASS SE.

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





iCLASS Card Numberi N - No Printed Card I A - Sequential Match B - Sequential Encode C - Random Encoded	Number ing Enc ed/Seq I/Non-N	ring, sale coded/Pr juential N	s numberinted (La	er marking aser Engr ching Pri	raved) nted (Las									
25 kHz Card Numbering⁴ ☐ N - No Printed Card Numbering														
A - Sequential Matching Encoded/Printed (Laser Engraved)														
B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)														
C - Random Encoded	I/Non-N	Natching	Sequen	ntial Printe	ed (Lasei	r Engra	ived)							
Option - Custom Artwo														
L.	(S	pecify A	rtwork N	lumber - I	Refer to t	the Cus	stom Artw	ork Form	s for new	Artwork)				
Enter your final card options from check boxes above. Example: 831F4PPPGGANAA														
Final Part Number 831	F								N			_	(Options #)	
DESFire EV3 Card I	Progra	ammin	g Infor	mation	l									
Format Number Field Name(s) e.g. Facility Code				Val	Value QTY		,	Encoded Start Number			Ence	Encoded Stop Number		
HID Elite ICE									Printed Start Number Printed Stop Number					
iCLASS Card Progr	ammi	ng Info	rmatio	on										
Format Number Field Name(s) e.g. Facility Code Value QTY Encoded Start Number Encoded St							oded Stop Number							
HID Elite ICE Printed Start Number Printed Stop Number									ted Stop Number					
125kHz Card Progr	ammi	ng Info	rmatio	on										
Format Number		Field Na		le	Val	ue	QTY	,	Encode	ed Start I	Number	Ence	oded Stop Number	
									Printed	l Start N	umber	Print	ted Stop Number	

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

² Cards ordered with plain white front and back packaging, or with custom artwork, will still have the HID logo and reference artwork "HID" printed in the lower left-hand corner. A custom part number is required to omit the HID logo and reference artwork.

 $^{^{\}rm 3}$ For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.



MIFARE DESFire EV3 + iCLASS 32k + Prox Card: Custom Profile - 830

Migration solution from Proximity to fully customized bespoke DESFire specifications, or unprogrammed for full in-field personalization with EV1, EV2, or EV3 compliant solutions. Offers iCLASS and 125kHz technology to simplify card issuance for diverse systems or migration projects.

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 Base Model ■ 830 Composite (40% Polyes	ter/PVC)			
MIFARE DESFire EV3 Memory Size	-	4	3.370" (8.57 cm)	—
▼ F - 8K Bytes DESFire EV3	-		(0.07 011)	
iCLASS 32K Memory Configuration ☐ 3 - 32k bit (4K bytes) application areas 16k/2+16k/1 ☐ 4 - 32k bits (4K bytes) application areas 16k/16+16k/1	2.125"		Front Dookseine	
DESFire Programming¹ (select one option) ☐ N - Unprogrammed for use with iCLASS SE Encoder (EV1 custom encoding only) or third-party EV1, EV2, or EV3 applications. ☐ S - Custom EV1, EV2, or EV3 programming (custom part number required).	(5.4 cm)		Front Packaging	
iCLASS Programming (select one option) ☐ P - Programmed with Secure Identity Object (SIO)	0.033" (0.084 cm)		Shared Card Edge	<u> </u> į
 S - Programmed with Secure Identity Object (SIO) and standard iCLASS access control application H - Programmed with standard iCLASS access control application V - Unprogrammed for use with iCLASS SE Encoder (SIO programming only) C - Unprogrammed for use with iCLASS SE Encoder (standard iCLASS application programming only) 			Back Packaging	
Prox Programming (select one option) ☐ P - Programmed with HID Prox or Indala format. ☐ N - Unprogrammed HID Prox for iCLASS SE encoder (CP1000)		© TID DESFire Px D83X	12345 YYYYYYYYY SE	хт
Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ³		12345 = Card YYYYYYYYYYY	ID Number ' = Sales Order Number	
Back Packaging (select one option) ☐ G - Plain White with Gloss Finish² ☐ 1 - Plain White with Gloss Finish with Magnetic Stripe² ☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number².³ ☐ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custom	Artwork Number	2,3		
13.56 MHz DESFire Card Numbering³ (select one option)				
N - No Slot Punch.				

PLT-02630, Rev D.4 141 May 2023

IMPORTANT - 830 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.



iCLASS Card Numbering ⁴		1											
	bering, sales number marking												
_	 A - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) 												
125 kHz Card Numbering³ N - No Printed Card Num A - Sequential Matching B B - Sequential Encoded/S C - Random Encoded/No Option - Custom Artwork³		ved) ed (Laser Engrav I (Laser Engrav efer to the Cust	raved) red) rom Artwork Forr										
	F DOMESTICATION CHECK BOXES ABOVE	. Example. 0	JOI 4NT F GONN	N I	- (Options #)								
Filial Falt Nullibel 030	<u> </u>			N	- (Options #)								
DESFire EV3 Card Prog	gramming Information												
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number Printed Stop Number								
				Printed Start Number									
iCLASS Card Program	ming Information		1										
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number								
HID Elite ICE/MOB #				Printed Start Number	Printed Stop Number								
125kHz Card Program	ming Information		-										
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number								
				Printed Start Number	Printed Stop Number								

¹ For custom programming options please contact your local sales or pre-sales representative.

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

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

⁴ The printed card number, sales order reference and additional programming designators are placed in the bottom right-hand corner on the back of the card. A custom part number is required to omit this marking from the card.

⁵ If selecting DESFire marking option "Z" there will not be room to mark any other technologies.



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.

MIFARE Classic cards with SIO encoding OR (Recommended)	MIFARE Classic Card	ds <u>without</u> SIO encoding					
3400 (1K) Standard PVC	1440 (4K) Standard PVC						
3406 (4K) Standard PVC	1436 (1K) Composite 40% Polyester / PVC*						
3450 (1K) Composite 40% Polyester / PVC*		site Polyester 40% / PVC*					
3456 (4K) Composite Polyester 40% / PVC*		•					
Programming* (select one option) ☐ P - Programmed with Security Identity Object (SIO) for MIFARE Classic ☐ V - Unprogrammed Secure Identity object (SIO), for MIFARE Classic, for use with iCLASS SE Encoder.	Programming (select one option) ☐ M - Programmed HID MIFARE6 access control application ☐ N - Unprogrammed MIFARE Classic for use with iCLASS SE Encoder (custom or HID) ☐ S - Custom programmed MIFARE Classic, requires custom part number						
* A marker is placed in sector 6 and will not be available for other data							
Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number	-1	3.370" (8.57 cm)					
Back Packaging (select one option) G - Plain White with Gloss Finish ² 1 - Plain White with Gloss Finish with Magnetic Stripe ² C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ^{1,2}	2.125" (5.4 cm)	Front Packaging					
Card Numbering³ (select one option) ☐ M - Sequential Matching Encoded/Printed (Inkjetted) ⁷ ☐ N - No Printed Card Numbering ☐ U - UID (CSN) HEX card numbering only (Inkjetted) ^{4,7}	0.033" (0.084 cm)						
 V - UID (CSN) Decimal card numbering only (Inkjetted)^{4,7} S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁷ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁷ A - Sequential Matching Encoded/Printed (Laser Engraved) B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved) 	/ed)	Back Packaging Note: 340 credential image may vary.					
☐ C - Random Encoded/Non-Matching Sequential Printed (Laser Engrave	d) (© IIII MIFARE SE M1H 12345 YYYYYYYYY X7					
☐ Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved)							
Slot Punch ⁵ (select one option) ☐ N - No slot punch, Printed Vertical Slot Indicators ☐ V - Vertical Slot Punch		12345 = Card ID Number YYYYYYYYYY = Sales Order Number					



Option - Custom Artwo	ork¹							
<u> </u>	(Specify Artwork Nun	nber - Refer t	o the Custon	n Artwork fo	rms for ne	w artwork)		
Enter your final card o	ptions from check b	oxes above	. Example: 3	3400PGGN	N			
Final Part Number						_		(Options #)
13.56 MHz Card Pro	ogramming Inforr	mation						
Format Number	Field Name(s) e.g. Facility Co		Value	QTY		Encoded St	art Number	Encoded Stop Number
HID Elite ICE #						Printed Star	t Number	Printed Stop Number

PLT-02630, Rev D.4 May 2023

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

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

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

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

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

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

⁶ Includes a permanent Unique MIFARE 32 Bit Serial number.

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

 $[\]ensuremath{^{*}}$ 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 without SIO encoding
with SIO encoding (Recommended)	1431 (1K) Standard PVC
3500 (1K) Standard PVC	1441 (4K) Standard PVC
3506 (4K) Standard PVC	1437 (1K) Composite 40% Polyester / PVC*
3550 (1K) Composite 40% Polyester / PVC*	1447 (4K) Composite 40% Polyester / PVC*
3556 (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 □ R - Programmed 13.56 MHz Security Identity Object (SIO) for MIFARE Classic, programmed 125 kHz with HID Prox or Indala format □ V - Unprogrammed 13.56 MHz SIO for MIFARE (for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder *A marker is placed in sector 6 and will not be available for other data	L - Programmed 125 kHz with HID Prox or Indala Format6, unprogrammed 13.56 MHz MIFARE Classic (for use with iCLASS SE Encoder custom or HID) M - Programmed 13.56 MHz HID MIFARE ⁶ access control application, unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder B - Programmed 13.MHz with HID MIFARE ⁶ access control application, programmed 125 kHz with HID Prox or Indala format N - Unprogrammed 13.56 MHz MIFARE (for use with SE Encoder custom or HID), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder S - Custom Programmed 13.56 MHz MIFARE Classic, unprogrammed
Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish - Specify Custom Artwork Numbe	125 kHz HID Prox for use with iCLASS SE Encoder, requires custom part number 3.370" (8.57 cm)
Back Packaging (select one option) G - Plain White with Gloss Finish ² 1 - Plain White with Gloss Finish with Magnetic Stripe ² C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ^{1,2}	2.125" (5.4 cm) Front Packaging
13.56 MHz MIFARE Card Numbering³ (select one option) M - Sequential Matching Encoded/Printed (Inkjetted)⁵ N - No Printed Card Numbering U - UID (CSN) HEX card numbering only (Inkjetted)⁴.⁵ V - UID (CSN) Decimal card numbering only (Inkjetted)⁴.⁵	0.033" (0.084 cm)
 S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)⁵ R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)⁵ A - Sequential Matching Encoded/Printed (Laser Engraved) 	Back Packaging Note: 340 credential image may vary.

© IIII MIFARE SE M1H

12345 YYYYYYYYY *XT*

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

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



Slot Punch (select one opt N - No slot punch. This ca V - Vertical Slot Punch	ion) rd can be slotted vertically, Prin	ted Vertica	al Slot Indicators					
125 kHz Proximity Card Nu	ımbering³ (select one option)						
M - Sequential Matching	Encoded/Printed (Inkjetted)							
■ N - No Printed Card Number	pering							
S - Sequential Encoded/S	S - Sequential Encoded/Sequential Non-Matching Printed (Inkjetted)							
R - Random Encoded/Non-Matching Sequential Printed (Inkjetted)								
A - Sequential Matching E	Encoded/Printed (Engraved)							
☐ B - Sequential Encoded/S	Sequential Non-Matching Printe	d (Engrave	ed)					
C - Random Encoded/Nor	n-Matching Sequential Printed (Engraved)						
Option - Custom Artwork ¹								
<u>-</u>	- Refer to the Custom Artwork f	orms for n	ew artwork)					
Enter your final card option	ns from check boxes above.	Example:	3506PGGMNS					
Final Part Number			N		(Options #)			
13.56 MHz Card Progra	amming Information							
Format Number	Field Nemo(s)	Value	ОТУ	Francisco Ctort Number	Freeded Step Number			
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, 143	7, or 1447	7					
125 kHz Card Program	ming Information							
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number			
				Printed Start Number	Printed Stop Number			
² Cards ordered with plain whi reference number printed in sales order number. A custor	t Customer Service for custom a te front and back packaging, wit the lower left-hand corner and a n part number is required to om laced in the bottom right-hand	th no HID a a slot punc ait all marki	artwork or with cust th target printed on ing from the card. C	om artwork, will still have a sr the back of the card. Most par ontact your local support repr	rt numbers are marked with the			
4								

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

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

 $^{^{\}rm 6}$ Includes a permanent Unique MIFARE 32 Bit Serial number.

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



MIFARE Classic Keyfob - 1434 / 1444

Ensure each required	i option nas been d	cnecked with th	e appropriate d	cnoice to fulfill a	a completed order to	rm.

Base Model	☐ 1434 (1K)		☐ 1444 (<i>a</i>	4K)			
Programming (select one of M - Programmed with HID N - Unprogrammed MIFA S - Custom Programmed Front Packaging (select or S - Standard HID Artwork C - Custom Artwork - Spe Back Packaging S - Standard Key Numbering¹ (select or M - Sequential Matching N - No Printed Card Numbering N - No Printed Card Numbering S - Sequential Encoded/No A - Sequential Matching B - Sequential Encoded/No C - Random Encoded/No Slot Punch² N - None Enter your final Key option	D MIFARE ³ access control and RE Classic MIFARE Classic, requires of the option) cify Custom Artwork Number of the option Encoded/Printed (Inkjetted pering requential Non-Matching Pen-Matching Sequential Printer of the option of the option) Encoded/Printed (Laser Enterprinted of the option)	ustom part numb per ¹ rinted (Inkjetted) ⁴ sted (Inkjetted) ⁴ graved) rinted (Laser Engra	a graved) ved)				
Final Part Number				S			N
7 mai i ai t iranibel				<u> </u>	1		14
13.56 MHz Card Progra	mming Information						
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Printed Start N			d Stop Number Stop Number
			-	Timed Staff I	edilibel .	Timed	Ctop Isanibei
¹ The Printed key number is pla ² Key Ring sold separately (Par						1	

³ Includes a permanent Unique MIFARE 32 Bit Serial number.

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



MIFARE Classic Adhesive Tag - 1435

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

Base Model	⊠ 1435 (1K)						
N - Unprogrammed MIF.	ID MIFARE ⁶ access control a		ed				
Front Packaging (select of S - Standard HID Artwork - Sp		er ¹				mifar	
Back Packaging S - Standard							
■ N - No Printed Card Nun ■ S - Sequential Encoded	g Encoded/Printed (Inkjetted	rinted (Inkjetted)					
	ns from check boxes abov	ve. Example: 14	35NSSNN				
Final Part Number				S			N
13.56 MHz Card Prog	ramming Information						
Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start	Number	Encoded	d Stop Number
			_	Printed Start N	lumber	Printed 9	Stop Number

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

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

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

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

⁴ Includes a permanent Unique MIFARE 32 Bit Serial number.

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

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

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

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

iCLASS SE Encoder - How Does it Work?

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

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

iCLASS SE Encoder Ordering Basics

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





Step 1: Hardware

Part Number: CP1000D

Contains:

- USB Desktop Encoder
- Installation Guide
- USB Flash Drive containing:
 - Asure ID CP1000 Desktop Application
 - Configuration package (*.ise file) that contains default credits, format H10301 (26-bit) and standard keys listed in the table below
 - User documentation
- The following credits, formats, and sample cards (included by default with every CP1000D) if additional credits are needed, refer to Step 2 and add the required part numbers to the order form.

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

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

Sample Cards Include	led	
Quantity	Part Number	Description
2	1386NGGNB	HID Prox
2	2000CGGNN and 2003CGGNN	iCLASS 2k and 32k
2	3000VGGNN and 3003VGGNN	iCLASS SE 2k and 32k
3	5005VGGNN	Seos 16K
2	1430NGGNN and 1440NGGNN	MIFARE Classic 1K and 4k
2	1450CNGGNN	MIFARE DESFire EV1 8K
1	0501600475-READER	Reader Data Configuration Card (compatible with iCLASS SE Rev E)
1	0501600475-ELITE	HID Elite Prep Transport
1	2000PCCNN-LEGACY	iCLASS Legacy Transport



Step 2: Select Additional Credential Credits

The iCLASS SE Encoder utilizes credential credits to enable the encoding of contactless credentials. Each credential technology, security combination and programming data will utilize a specific credential credit. Credits are loaded and stored in the CP1000D USB desktop encoder hardware.

The iCLASS SE Encoder is able to determine the source of the credential during the encoding cycle and will decrement the appropriate credit counter accordingly. A reader compatibility list is provided for each credential credit table. Select encoder ready MIFARE Classic and MIFARE DESFire EV1 part numbers to avoid consuming a chargeable credit.

Genuine HID Technology Credential Credits - Part Tables

What Credential Credits do I need?

Select credits based on HID technology type and required programming. Some credits are chargeable, please refer to the current price list for details. Add the required part numbers to the order form.

Seos Technology	Key Type	Programming	Credit Part Number	Chargeable?
Seos	Standard	SIO	CRDT-D3	NO
Seos	HID Elite1	SIO	CRDT-D4	YES
Seos	Key Rolling	N/A	CRDT-D6	NO

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

MIFARE CLASSIC Technology	Key Type	Programming	Credit Part Number	Chargeable?
MIFARE CLASSIC (V Type)	Standard	SI0*	CRDT-B3	NO
MIFARE CLASSIC (V Type)	HID Elite1	SIO*	CRDT-B4	YES
MIFARE CLASSIC (V Type)	Standard	HID MIFARE	CRDT-B0	NO
MIFARE CLASSIC (V Type)	N/A	Custom Data	CRDT-B5	NO
MIFARE CLASSIC/ SIO for MIFARE CLASSIC	Key Rolling	N/A	CRDT-B6	NO

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

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

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

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

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

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



Third Party HID Technology Credential Credits - Part Tables

What Credential Credits do I need?

Select credits based on the third party card technology. Most credits are chargeable but regional variations exist, please refer to the current price list for details. Add the required part numbers to the order form.

Note: Use of standard "N type" HID MIFARE Classic and MIFARE DESFire EV1 supplied cards will consume a chargeable credit. Order "V type" HID MIFARE Classic and MIFARE DESFire EV1 cards to avoid consuming a chargeable credit.

MIFARE CLASSIC Technology	Key Type	Programming	Credit Part Number	Chargeable?
MIFARE Classic	Standard	SIO	CRDT-F3	YES
MIFARE Classic	HID Elite1	SIO	CRDT-F4	YES
MIFARE Classic	Standard	HID MIFARE	CRDT-F0	See Price List
MIFARE Classic	N/A	Custom Data	CRDT-F5	See Price List

MIFARE DESFire Technology	Key Type	Programming	Credit Part Number	Chargeable?
MIFARE DESFire	Standard	SIO	CRDT-G3	YES
MIFARE DESFire	HID Elite1	SIO	CRDT-G4	YES
MIFARE DESFire	N/A	Custom Data	CRDT-G5	YES

Reader Compatibility Table

Credential Part Number	Reader Compatibility
CRDT-A0	HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS Rev A, B, C & iCLASS SE interpreter type "T" with keyset "0"
CRDT-A1	HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS Rev A, B, C & iCLASS SE interpreter type "T" and matching Elite ICE keyset
CRDT-A3, CRDT-B3, CRDT-C3, CRDT-D3, CRDT-F3, CRDT-G3, CRDT-H3	HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS SE readers only interpreter type "T" or "N" with keyset "0" or "2"
CRDT-A4, CRDT-B4, CRDT-C4, CRDT-D4, CRDT-F4, CRDT-G4, CRDT-H4	HID Signo Readers (Smart, Standard and Custom credential profiles), CLASS SE readers only interpreter type "T" or "N" with matching Elite ICE keyset
CRDT-A5	HID Signo Readers (Smart, Standard and Custom credential profiles), iCLASS Rev A, B, C & iCLASS SE
CRDT-F0 CRDT-B0	HID Signo Readers (Custom credential profile), HID 6055B, FlexSmart™ 6071/6072, Smart ID 8030DSHM/8031DSHM (HID MIFARE Only) and specific models of iCLASS SE.
CRDT-B5, CRD-C5, CRDT-F5, CRDT-G5	HID Signo Readers (Custom credential profile), iCLASS SE Migration readers only with matching custom key and mapper profile
CRDT-K0	HID Signo Readers (Standard and Custom credential profiles), HID Prox compatible readers including multiCLASS

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



Step 3: Select Additional Formats

The iCLASS SE Encoder supports a wide range of HID formats; by default every encoder is supplied with H10301, the HID open 26-bit format with full facility code and ID range. Use this section as a guide to order additional HID open/tracked, Corporate 1000 or OEM formats. Add the required part number and details to the order form.

Format Part Number	Format Type
FRMT-J1	HID open/tracked or OEM formats
FRMT-J2	HID Corporate 1000 formats

Tracked ID Number Ranges

If you order a tracked format for example Corporate 1000, H10302 or H10304 the next available number range is automatically assigned. A limit of 10,000 ID numbers per order applies to H10302.

Read Only

If you have a requirement for format read-only functionality for example, to read the encoded format as part of the printing process, order the required format with a card ID range of one number. The availability of the format on the encoder provides read-only functionality for the entire format ID range and variable field values.

How to order FRMT-J1 (HID open, tracked or OEM format)

Example 1:

- I want to order H10301 (HID open 26-bit with facility code and number range)
- · I want facility code 99
- I want 500 numbers starting at 1,001

Part Number
FRMT-J1

Format Number	
H10301	

Field Name(s) e.g. Facility Code	Value
Facility Code	99

Start Number	Quantity	
1,001	500	

Example 2:

- I want to order H10304 (HID tracked 37-bit with reserved facility code)
- I want facility code 99
- I want 1,000 numbers (since H10304 is tracked, the next available numbers will be allocated)

Part Number	
FRMT-J1	

Format Number
H10304

Field Name(s) e.g. Facility Code	Value
Facility Code	99

Start Number	Quantity
N/A	500

How to order FRMT-J2 (Corporate 1000 format)

Example

- I want to order a Corporate 1000 format
- I want 10,000 numbers (since Corporate 1000 formats are tracked, the next available numbers will be allocated)

Part Number	
FRMT-J2	

Format Number	
H2004095	

Company ID Code Value	
4095	

Start Number	Quantity
N/A	10,000



Step 4: Select Additional Keysets

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

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

Media Keyset

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

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

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

Reader Configuration Keyset

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

Part numbers for these cards are:

- 0501600475-READER used for reader configuration
- 0501600475-ELITE used for HID Elite key preparation.

SIO Keyset

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

Default Keysets

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

Keysets	Security	Credit Part Number
Seos Media Keyset	HID Standard	CKEYMED-SEOS-0
iCLASS Media Keyset	HID Standard	CKEYMED-ICL-0
MIFARE Classic Media Keyset	HID Standard	CKEYMED-MIF-0
MIFARE DESFire Media Keyset	HID Standard	CKEYMED-DES-0
Reader Configuration Keyset	HID Standard	CKEYCFG-0
SIO Keyset	HID Standard	CKEYSIO-0

Additional HID Elite Keysets

Select the appropriate additional HID Elite keyset to encode HID or third party credentials or generate configuration cards with an HID Elite key. All HID Elite keysets are free of charge, however a suitable HID Elite credential credit is required to encode credentials with an HID Elite key. Add the required part number to the order form.

Keysets	Security	Keyset Part Number	Chargeable?
Seos Media Keyset	HID Elite	CKEYMED-SEOS-1	NO
iCLASS Media Keyset	HID Elite	CKEYMED-ICL-1	NO
MIFARE Classic Media Keyset	HID Elite	CKEYMED-MIF-1	NO
MIFARE DESFire Media Keyset	HID Elite	CKEYMED-DES-1	NO
Reader Configuration Keyset	HID Elite	CKEYCFG-1	NO



Step 5: Encoder Order Form

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

Hardware		
Part Number	Description	QTY
CP1000D	CP1000D USB encoder with H10301, standard keys and default credits	

Existing CP1000 Serial Number – [Only required to order formats, credits a	nd keysets for an existing encoder]
Serial Number (found on underside of USB device or inside door/bottom of printer):	CP

Additional Credits		
Part Number	QTY	T
CRDT-		

Part Number	Format Number	Field Names	Value	ID Start Number	QTY
FRMT-J1					
Part Number	Format Number	Field Names	Value	ID Start Number	QTY
FRMT-J1					
Part Number	Format Number	Field Names	Value	ID Start Number	QTY
FRMT-J1					

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

Additional HID Elit	e Media Keysets ⁵		
Part Number	ICE Key #	QTY	
CKEYMED1		1	
CKEYMED1		1	
CKEYMED1		1	

Additional HID Elit	te Reader Configuration	n Keyset ^{6,7}	
Part Number	ICE Key #	QTY	
CKCFG1		1	
CKCFG1		1	
CKCFG1		1	

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

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

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

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

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

^{6.7} Authorization is required by the end user or owner of the HID Elite (formerly iCLASS Elite) keys before these can be released. Contact customer services for information on the authorization process.



Embeddable Credentials

Overview

What is an Embeddable Card?

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

Why do I need an Embeddable Card?

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

Can I Configure my Embeddable Credential Product Online?

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

- Find by part number allows customers to enter an 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://www3.hidglobal.com/configure

Credentials Marking

For information on Card Identification Markings, please see HID Global Credential Identification Markings Application Note (AN0109).

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.

Base Model	⊠ 50	01 Comp	osite 40	% Polye	ester / PVC	60%				
Seos Memory Size and Allocation 5 - 16K Bytes 6 - 8K Bytes Secure Identity Object Programs P - Programmed with Security Identity	ming dentity Ol	-		·	tional Contact Smart Chip Module (Front Only)	- 5	Front Pa Contac not incl	t chip		
∇ - Unprogrammed, for use with Front Packaging (select one opt G - Plain White with Gloss Finish C - Custom Artwork with Gloss I Specify Custom Artwork Number	tion) h Finish –	SE Encode	r	40	0.033"		3.3. (8.57			SHARED
Back Packaging (select one option of the process of the packaging (select one option of the packaging (select one option of the packaging of t	h ² Finish – er ¹ n with Ma Finish wit			(C	2.125" (5.4 cm)		Back Pa	ckaging		EDGE
Card Numbering³ (select one op N - No External Card Numbering A - Sequential Matching Internal B - Sequential Internal/Sequent C - Random Internal/Non-Match	g al/Externa tial Non-N	fatching Ex	cternal (Las	_		© HID Seo	Optional Mag HICO/High E s JH	nergy - 4000 (Y 12345 YYY)
Slot Punch N - No Slot Punch Option - Custom Artwork¹						YYYYYYY Sales Ord	Card ID Numb Y-YY = Sales (er is a variabl	Order Numbe	er	
Enter your final card options fro	•				om Artwork Fo	N N	Artwork)		(0	ions #)



Seos Card Programming Information

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

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

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

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

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

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



Seos + Prox Embeddable Card - 511

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

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

Base Model	<u> X</u>	511 Co	mposite	e 40% P	olyester	/ PVC					
Seos Memory Size and All 5 - 16K Bytes 6 - 8K Bytes	ocation				Optional C	ontact		Front Packa	ging		
Secure Identity Object Pro P - Programmed with Secure Prox non programmed	-	•	-)		rt Chip	• \$4	Contact che not includ	•		
R - Both interfaces progra Seos with Security Identifi Prox programmed with H	ty Object (S	IO),						7.770			<u></u>
	se with iCLA	SS SE Enc	oder					3.370" (8.57 cm			SHARED
Front Packaging (select or G - Plain White with Gloss C - Custom Artwork with	s Finish Gloss Finish	ı –			0.033" (0.084 cn	n)					CARD EDGE
Back Packaging (select on G - Plain White with Gloss C - Custom Artwork with Specify Custom Artwork	ne option) s Finish ² Gloss Finish	ı –			2.1: (5.4			Back Packa	ging		
1 - Plain White with Gloss 3 - Custom Artwork with C	Finish with Gloss Finish	-	-	e -	<u>د</u>	(©		tional Magne CO/High Ener			
13.56 MHz iCLASS Card N N - No External Card Num A - Sequential Matching I B - Sequential Internal/Se C - Random Internal/Non	nbering nternal/Ext equential No	ernal (Lase on-Matchin	er Engrave	d) I (Laser En		1	/YYYYYYY	gramming d ID Number Y = Sales Ord s a variable I	der Numbe	er	
Slot Punch N - No Slot Punch											
125 kHz Card Numbering ³ N - No External Card Num A - Sequential Matching I B - Sequential Internal/Se C - Random Internal/Non	nbering nternal/Ext equential No	ernal (Lase on-Matchin	g Externa	l (Laser En	,						
Option - Custom Artwork¹	(Specify	Artwork Nu	umber - Re	efer to the (Custom Art	work Forms	for new Art	work)			
Enter your final card option	ns from ch	eck boxes	s above.	Example:	5015PGG	NN					
Final Part Number	511						N		_	(Option	ıs #)



Seos Card Programming Information

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

125 kHz Programming Information

Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)			-	Printed Start Number	Printed Stop Number
(cig. 20 bit)					

Special Instructions:

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

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

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

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

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



Embeddable iCLASS SE Credentials

iCLASS SE Embeddable Card - 301

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

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

Base Model	⊠ 3	01 Com	oosite 40	% Polyes	er / PVC*					
iCLASS Memory Size and A	Allocation (s	elect one o	option)							
 0 - 2k Bits (256 Bytes) with 3 - 32k Bits (4K Bytes) App 4 - 32k Bits (4K Bytes) App 	2 Application	Areas 16k/2+16k	/1				Front Pack Optional (
Secure Identity Object Programmed with Security V - Unprogrammed, for use	irity Identity C		er	2.12 (5.4	-		Smart Car (Front Onl	rd Module	1	
Front Packaging (select on G - Plain White with Gloss C - Custom Artwork with G Specify Custom Artwork N	e option) Finish ² iloss Finish –	0	•	0.033			3.370 (8.57 c) ^{II}		SHARED CARD
Back Packaging (select one G - Plain White with Gloss	e option)			(0.084 c	m)					■ EDGE
C - Custom Artwork with G Specify Custom Artwork N 1 - Plain White with Gloss 3 - Custom Artwork with G Specify Custom Artwork N	iloss Finish – Iumber ¹ Finish with M Ioss Finish w		•			Note: 3	Back Pacl	kaging Limage may v	ary	
Card Numbering³ (select or N - No External Card Numl A - Sequential Matching In	bering iternal/Extern		_			Magnetic Stri	-	High Energy - Y 12345 YYY		
■ B - Sequential Internal/Sec ■ C - Random Internal/Non-I Slot Punch ⁴ (select one opt	Matching Seq					12345 = Ca	Programmi rd ID Numb YY = Sales (er	
N - No Slot Punch (Printed V - Vertical Slot Punch B - No Slot Punch - Horizon H - Horizontal Slot Punch⁵	location of ve				l and Horizo				-	
Option - Custom Artwork¹	_(Specify Art	work Numb	oer - Refer to	o the Custom	Artwork For	ms for new A	artwork)			
Enter your final card option	s from the a	bove selec	ctions. Exa	ample: 3014	PGGAN		1			
Final Part Number		P						_	(Ont	tions #)



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 (e.g. 26 bit)				Printed Start Number	Printed Stop Number
ICE Number					
Special Instructions					

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

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

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

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

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

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



iCLASS SE + Prox Embeddable Card - 311

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

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

0.033" CARD	Base Model	⊠ ;	311 Com	posite 40	% Polyes	ter / PV0	C*				
4 - 32k Bits (4k Bytes) Application areas 16k/16 - 16k/1 Secure Identity Object Programming (select one option)	0 - 2k Bits (256 Bytes) wit	h 2 Application	n Areas		7						
P. Programmed with Security Identity Object (SIO), Prox non programmed R. Both interfaces programmed: (CLASS with Security Identity Object (SIO), Prox programmed with HID format Prox programmed with HID format G. Plain White with Gloss Finish G. Plain White with Gloss Finish G. Plain White with Gloss Finish Specify Custom Artwork Number G. Plain White with Gloss Finish Specify Custom Artwork Number 1. Plain White with Gloss Finish with Magnetic Stripe 3. Custom Artwork Number 1. Plain White with Gloss Finish with Magnetic Stripe 3. Custom Artwork Number 1. Plain White with Gloss Finish with Magnetic Stripe 3. Custom Artwork Number 1. Plain White with Gloss Finish with Magnetic Stripe 3. Sequential Matching Internal/External (Laser Engraved) A. Sequential Matching Internal/External (Laser Engraved) B. Sequential Internal/Non-Matching Sequential External (Laser Engraved) O. Random Internal/Non-Matching Sequential External (Laser Engraved) N. No Slot Punch (Printed location of vertical slot punch will remain) V. Vertical Slot Punch D. Sequential Internal/Sequential Non-Matching External (Laser Engraved) D. Sequential Internal/Sequential External (Laser Engraved) D. Sequential Interna								Smart Car	d Module		
iCLASS with Security Identity Object (SIO), Prox programmed with HID format Front Packaging (select one option) G - Plain White with Gloss Finish? C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number! Back Packaging (select one option) G - Plain White with Gloss Finish - Specify Custom Artwork Number! Back Packaging (select one option) G - Plain White with Gloss Finish - Specify Custom Artwork Number! I - Plain White with Gloss Finish with Magnetic Stripe? Specify Custom Artwork with Gloss Finish with Magnetic Stripe? Specify Custom Artwork Number! I - Plain White with Gloss Finish with Magnetic Stripe? Specify Custom Artwork Number! I - Plain White with Gloss Finish with Magnetic Stripe? Specify Custom Artwork Number! I - Plain White with Gloss Finish with Magnetic Stripe? Specify Custom Artwork Number! I - Plain White with Gloss Finish with Magnetic Stripe? Specify Custom Artwork Number! I - Plain White with Gloss Finish with Magnetic Stripe? Specify Custom Artwork Number! Magnetic Strips (\$2^* HICO/High Energy - 4000 Oe) Magnetic Strips (\$2^* HICO/High Energy - 4000 Oe) Wagnetic S	☐ P - Programmed with Sec							Module ne	ot included		
Front Packaging (select one option) G - Plain White with Gloss Finish - Specify Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ Back Packaging (select one option) G - Plain White with Gloss Finish - Specify Custom Artwork with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe² 9 - No External Card Numbering³ (select one option) N - No External Card Numbering³ (select one option) N - No External Card Numbering (Laser Engraved) C - Random Internal/Sequential Non-Matching External (Laser Engraved) Slot Punch⁴ (select one option) N - No Stot Punch (Printed location of vertical slot punch will remain) V - Vertical Slot Punch 125 kHz Card Numbering³ (select one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Matching Internal/External (Laser Engraved) C - Random Internal/Sequential Non-Matching External (Laser Engraved) B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Sequential Sequential External (Laser Engraved) (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 3114P6GNNN	iCLASS with Security Ide	ntity Object (S	IO),		_		-				SHAREI
Back Packaging (select one option) G - Plain White with Gloss Finish- Specify Custom Artwork With Gloss Finish - Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe- Specify Custom Artwork with Gloss Finish with Magnetic Stripe- Specify Custom Artwork Number¹ 13.56 MHz iCLASS Card Numbering³ (select one option) N - No External Card Numbering³ (select one option) 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 (select one option) N - No External Card Numbering A - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Sequential External (Laser Engraved) B - Sequential Matching Internal/External (Laser Engraved) C - Random Internal/Sequential External (Laser Engraved) C - Random Internal/Non-Matching Sequential External (Laser Engraved) G - Random Internal/Sequential Non-Matching External (Laser Engraved) G - Random Internal/Non-Matching Sequential External (Laser Engraved) G - Random Internal/Requential Non-Matching Sequential External (Laser Engraved) G - Random Internal/Requential External (Laser Engraved) C - Random Internal/Requential External (Laser Engraved) C - Random Internal/Requential External (Laser Engraved) C - Random Internal/Requential External (Laser Engraved)	☐ G - Plain White with Glos☐ C - Custom Artwork with	s Finish ² Gloss Finish –									EDGE
C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ 13.56 MHz iCLASS Card Numbering³ (select one option) N - No External Card Numbering³ (select one option) B - Sequential Matching Internal/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 (select one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) External Card Numbering³ (select one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Non-Matching Sequential External (Laser Engraved) G - Random Internal/Sequential Non-Matching Sequential External (Laser Engraved) G - Random Internal/Sequential Fxternal (Laser Engraved) C - Random Internal/Sequential Fxternal (Lase	Back Packaging (select o	ne option)					Note: 3			any	
3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ 13.56 MHz iCLASS Card Numbering³ (select one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Non-Matching Sequential External (Laser Engraved) N - No 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 (select one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Matching Internal/External (Laser Engraved) C - Random Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Sequential Non-Matching External (Laser Engraved) G - Random Internal/Sequential Non-Matching External (Laser Engraved) G - Random Internal/Sequential External (Laser Engraved) G - Random Internal/Sequential Fxternal (Laser Engraved) C - Random Internal/Sequential Fxternal (Laser Engraved) G - Random Internal/Sequential Fxternal (Laser Engraved) C - Random Internal/Sequential Fxternal (Laser Engraved)	_						Note: 0	oo credentia	i illiage illay v	ary	
N - No External Card Numbering Y = iCLASS Programming 12345 = Card ID Number YYYYYYYYY = Sales Order Number YYYYYYYYYY = Sales Order Number YYYYYYYYYYY = Sales Order Number YYYYYYYYYY = Sales Order Number YYYYYYYYYYY = Sales Order Number YYYYYYYYYYY = Sales Order Number Slot Punch⁴ (select one option) N - No Slot Punch (Printed location of vertical slot punch will remain) V - Vertical Slot Punch Y - Vertical Slot Punch Y - No External Card Numbering X - 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	3 - Custom Artwork with	Gloss Finish w	•	•							
N - No Slot Punch (Printed location of vertical slot punch will remain) V - Vertical Slot Punch 125 kHz Card Numbering³ (select one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) C - Random Internal/Non-Matching Sequential External (Laser Engraved) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 3114PGGNNN	N - No External Card NurA - Sequential MatchingB - Sequential Internal/S	mbering Internal/Exterr equential Non-	nal (Laser Ei Matching E	ngraved) xternal (Las)	12345 = Ca	rd ID Numb	er	er	
 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 	N - No Slot Punch (Printe		ertical slot p	ounch will re	emain)						
(Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 3114PGGNNN	N - No External Card NurA - Sequential MatchingB - Sequential Internal/S	nbering Internal/Exterr equential Non-	nal (Laser Ei Matching E	xternal (Las)					
	<u>-</u>	twork Number	- Refer to tl	ne Custom /	Artwork Forn	ns for new	Artwork)				
Final Part Nilmon P /Ontions #\		ns from chec		oove. Exan	nple: 3114F	GGNNN				/0 -	2 112



iCLASS Card Programming Information

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

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

QTY	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

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

Special Instructions:

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

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

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

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

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



■ 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)

iCLASS SE + Other HF Embeddable Card - 392

The SIO-Enabled iCLASS with MIFARE or MIFARE DESFire embeddable smart card offers multiple High Frequency technologies to simplify card issuance for diverse systems or migration projects.

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

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

Base Model □ 392 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) O - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging (only available with MIFARE CLASSIC 1K) 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 **Optional Contact** 2.125" **Smart Card Module** 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 (5.4 cm) ::: (Front Only) Card Programming (select one option) Module not included **R** - iCLASS programmed with Secure Identity Object (SIO), 2nd Technology programmed with Secure Identity Object (SIO). P - iCLASS programmed with Secure Identity Object (SIO), 3 370 2nd Technology unprogrammed for use with iCLASS SE encoder SHARED (8.57 cm) (HID MIFARE or custom encoding). CARD 0.0331 **EDGE** K - iCLASS programmed with Secure Identity Object (SIO), (0.084 cm) 2nd Technology programmed with HID MIFARE Classic or custom MIFARE Classic (option M or N 2nd HF only). A - iCLASS unprogrammed for use with iCLASS SE Encoder, 2nd Technology programmed with Secure Identity Object (SIO). **B** - iCLASS unprogrammed for use with iCLASS SE Encoder, **Back Packaging** 2nd Technology unprogrammed for use with iCLASS SE encoder (HID MIFARE or custom encoding). Optional Magnetic Stripe 2nd Technology unprogrammed for use with iCLASS SE encoder (1/2" HICO/High Energy - 4000 Oe) (SIO, HID MIFARE or custom encoding). 12345 **12345 YYYYYYYYYY** HID iCLASS 2nd High Frequency Technology (select one option) M - MIFARE 1K Bytes (only available with iCLASS 2k bits) 125 kHz# iCLASS# ■ N - MIFARE 4K Bytes Front Packaging (select one option) 12345 = Card ID Number G - Plain White with Gloss Finish YYYYYYYYY = Sales Order Number **C** - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ **Back Packaging (select one option)** ☐ **G** - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ iCLASS Card Numbering³ (select one option)



Slot Punch											
IMPORTANT: Dual High Use a bado							e antenna d	esign.			
N - No Slot Punch											
2nd High Frequency Techr N - No External Card Nu A - Sequential Matching B - Sequential Internal/S W - UID (CSN) HEX num X - UID (CSN) Decimal n	Imbering I Internal/E Sequential Ibering onl Iumbering	External (La Non-Matc y (Engrave only (Engr	aser Engr hing Exte d): 7 byte aved): 7 b	aved) rnal (Lase s UID ⁴ ytes UID ⁴	r Engrave	d) om Artwork	Forms for n	ew Artwoi	rk)		
Enter your final card opti	ons from	check bo	xes abov	re. Exam _l	ple: 3924	PNGGANN	1				
Final Part Number	392							N		-	(Options #)
iCLASS Programming	Inform	otion									
ICLASS Programming	IIIIOTIII	ation									
Format Number (e.g. H10301)		Name(s) acility Cod	le	Value	е	QTY	Encod	ded Start	Number	Encoded	d Stop Number
							Duinte	ol Otoma N		Duinted	Otton Normalism
Bit Numbers (e.g. 26 bit)							Printe	ed Start N	umber	Printed	Stop Number
ICE Number											
2 nd 13.56 MHz Progra	mming l	Informat	tion								
Format Number (e.g. H10301)		Name(s) acility Cod	le	Value	е	QTY	Encod	ded Start	Number	Encoded	d Stop Number
Bit Numbers							Printe	d Start N	umber	Printed 9	Stop Number
(e.g. 26 bit)											
ICE Number											
	1										

Special Instructions:

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

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

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

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

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



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

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

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

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

Base Model □ 397 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) O - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging (only available with MIFARE CLASSIC 1K) **Optional Contact** 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 Smart Card Module 2.125" 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 (5.4 cm) (Front Only) 13.56 MHz Technology Card Programming (select one option) Module not included **R** - iCLASS programmed with Secure Identity Object (SIO), 2nd Technology programmed with Secure Identity Object (SIO). P - iCLASS programmed with Secure Identity Object (SIO), 3 370 2nd Technology unprogrammed for use with iCLASS SE encoder SHARED (8.57 cm) (HID MIFARE or custom encoding). CARD 0.0331 **EDGE** A - iCLASS unprogrammed for use with iCLASS SE Encoder, (0.084 cm) 2nd Technology programmed with Secure Identity Object (SIO). 2nd Technology unprogrammed for use with iCLASS SE encoder (SIO, HID MIFARE or custom encoding). **Back Packaging** 2nd High Frequency (13.56 MHz) Technology (select one option) M - MIFARE 1K Bytes (only available with iCLASS 2k bits) N - MIFARE 4K Bytes **Optional Magnetic Stripe** 125 kHz Technology Card Programming (select one option) (1/2" HICO/High Energy - 4000 Oe) P - "HID Prox" Programmed 125 kHz Technology. HID iCLASS 12345 **12345 YYYYYYYYYY** Specify Programming Information. C - "Indala/Casi Prox" Programmed 125 kHz Technology. 125 kHz# iCLASS# Specify Programming Information. N - Initialized 125 kHz Technology. Programming Information Not Required. 12345 = Card ID Number Front Packaging (select one option) YYYYYYYYY = Sales Order Number G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ **Back Packaging (select one option)** ☐ **G** - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹ iCLASS Card Numbering³ (select one option) ■ N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved)

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



Slot Punch										
	High Frequen a badge holder	-					e antenna design.			
N - No Slot Punch										
2 nd High Frequency		ard Numbe	ering³ (se	lect one	optio	n)				
 ☐ A - Sequential Ma	ŭ	External (La	aser Engra	aved)						
☐ B - Sequential Inte					er Engra	aved)				
. C - Random Intern	al/Non-Matchir	ng Sequenti	ial Externa	al (Laser	Engrave	ed)				
W - UID (CSN) HE					_					
X - UID (CSN) Dec	imal numbering	only (Engra	aved): 7 by	ytes UID⁴	ı					
125 kHz Card Numb ■ N - No External Ca ■ A - Sequential Ma	ard Numbering	•		aved)						
B - Sequential Inte	rnal/Sequentia	l Non-Matci	hing Exter	nal (Lase	er Engra	aved)				
C - Random Intern	al/Non-Matchir	ng Sequenti	ial Externa	al (Laser	Engrave	ed)				
Option - Custom Ar	(Spec	_					Forms for new Artwo	ork)		
Enter your final card	l options from	check box	xes abov	e. Exam	ple: 39	974PNPGGNN	INA			
Final Part Number							N		_	(Options #)
iCLASS Program	ming Inform	ation								
Farmer Normalian	Fi-14	I NI (-)		Vale		ОТУ	Franks de d Ottom	NI	Funda	d Otana Namakan
Format Number (e.g. H10301)		l Name(s) Facility Cod	le	Valu	е	QTY	Encoded Star	Number	Encode	d Stop Number
(cigiriros),										
Bit Numbers							Printed Start I	lumber	Printed	Stop Number
(e.g. 26 bit)										
ICE Number						1				
2 nd 13.56 MHz Pr	ogramming	Informat	ion							
Format Number	Field	l Name(s)		Valu	<u> </u>	QTY	Encoded Star	Number	Fncode	d Stop Number
. Crimat realine	I leiu			valu	-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Liiooucu otai		Liloude	a ctop isallibei

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

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

² Cards ordered with plain white front and back packaging, or custom artwork, will still have a small HID logo (1111) and reference number printed in the lower left-hand corner and a slot punch target printed on the back of the card.

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

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

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



Embeddable iCLASS Credentials

iCLASS Embeddable Card - 211

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

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

Base Model ■ 211 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) O - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 Optional 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Contact Smart Contact chip not Chip Module **Programming (select one option)** included (Front Only) ☐ **HP** - Programmed with Security Identity Object (SIO) and standard iCLASS Access Control Application (Recommended)1 C - Configured, Non-Programmed iCLASS. **Programming Information Not Required** P - Programmed iCLASS. Specify Programming Information 3.370' (8.57 cm) SHARE Front Packaging (select one option) 0.0331 CARD G - Plain White with Gloss Finish **EDGE** 0.084 cm) C - Custom Artwork/Contact Module with Gloss Finish – Specify Custom Artwork/Contact Module Number¹ **Back Packaging (select one option)** G - Plain White with Gloss Finish² **Back Packaging** C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ 2.125" (5.4 cm) 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -**Optional Magnetic Stripe** Specify Custom Artwork Number¹ (1/2" HICO/High Energy - 4000 Oe) Card Numbering³ (select one option) HID iCLASS **12345 YYYYYYYYYYY** ■ N - No External Card Numbering ■ A - Sequential Matching Internal/External (Engraved) 12345 = Card ID Number **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved) YYYYYYYYY = Sales Order Number ■ C - Random Internal/Non-Matching Sequential External (Laser Engraved) Slot Punch⁴ B - No Slot Punch. This card can be slotted horizontally, Printed Horizontal Slot Indicators H - Horizontal Slot Punch N - No Slot Punch (Printed location of vertical slot punch will remain) Option - Custom Artwork¹ (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork) Enter your final card options from check boxes above. Example: 2111CGGNN **Final Part Number** 211 (Options #)



iCLASS Card Program	ming Information				
Format Number	Field Name(s)	Value	QTY	Encoded Start Number	Encoded Stop Number
(e.g. H10301)	e.g. Facility Code				
Bit Numbers				Printed Start Number	Printed Stop Number
(e.g. 26 bit)					
_	_				
PIN: Sequential: Start#_		lom: Length _			
Special Instructions:					

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

PLT-02630, Rev D.4 171 May 2023

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

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

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

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

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

SHARED

CARD EDGE



iCLASS + Prox Embeddable Card - 213

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

Base Model ■ 213 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas **Front Packaging** 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 Optional Contact Smart 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 Contact chip Chip Module not included. (Front Only) **Programming (select one option)** ☐ **HP** - Programmed with Security Identity Object (SIO), and standard iCLASS access control application, 25 kHz Unprogrammed⁵ HB - Programmed with Security Identity Object (SIO), 3.370" and standard iCLASS access control application, (8.57 cm) 125 kHz programmed with HID Prox or Indala format. 0.033 P - Programmed with standard iCLASS access control application, (0.084 cm) 125 kHz HID Prox unprogrammed for use with iCLASS SE Encoder. B - 125 kHz Programmed with HID Prox or Indala format, iCLASS programmed with standard access control application. **C** - iCLASS Unprogrammed, for use with iCLASS SE Encoder, HID Prox unprogrammed for use with iCLASS SE Encoder **Back Packaging** A - iCLASS Unprogrammed, for use with iCLASS SE Encoder, 2.125" (5.4 cm) 125 kHz programmed with HID Prox or Indala format. M - iCLASS Programmed, HITAG2 blank. Magnetic Stripe (1/2" HICO/High Energy - 4000 Oe) ☐ I - iCLASS configured field programmable, HITAG2 blank. HID iCLASS 12345 **12345 YYYYYYYYYYY** Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork/Contact Module with Gloss Finish -125 kHz# iCLASS# Specify Custom Artwork/Contact Module Number¹ **Back Packaging (select one option)** 12345 = Card ID Number ☐ **G** - Plain White with Gloss Finish² YYYYYYYYY = Sales Order Number C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number¹ iCLASS Card Numbering³ (select one option) ■ N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved) **B** - Sequential Internal/Sequential Non-Matching External (Laser Engraved) ■ C - Random Internal/Non-Matching Sequential External (Laser Engraved) Slot Punch⁴ N - No Slot Punch. (Printed location of vertical slot punch will remain)



125 kHz Card Numbering N - No External Card Nu A - Sequential Matching B - Sequential Internal/S C - Random Internal/No	mbering Internal/Ext Sequential N	ernal (Laser E	xternal (Laser Engra						
Option - Custom Artwork		Articipals Num	ber - Refer to the Cu	otom Artwork	. For	ma far navy A	rtuork)		
Enter your final card option						ills for flew P	itwork)		
Final Part Number	213	icon boxeo a	Sove: Example: 21	00000111111				_	(Options #)
iCLASS Programming	Informat	ion							
Format Number (e.g. H10301)	Field Na e.g. Fac	ame(s) ility Code	Value	QTY		Encoded \$	Start Number	Encoded	Stop Number
Bit Numbers (e.g. 26 bit)						Printed St	art Number	Printed St	op Number
PIN: Sequential: Start#			Random: Length _						
Format Number (e.g. H10301)	Field Na e.g. Fac	ame(s) ility Code	Value	QTY		Encoded 9	Start Number	Encoded	Stop Number
Bit Numbers (e.g. 26 bit)						Printed St	art Number	Printed St	op Number
Special Instructions:									

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

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

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

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

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

⁵ Secure Identity Object (SIO) Programming is not mandatory but highly recommended. If SIO programming is not selected the letter H should be left out from Final Part Number, for example: 2130PGGNNN.

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

SHARED

CARD

EDGE



iCLASS + Other HF Embeddable Card - 243

■ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved)
 ■ C - Random Internal/Non-Matching Sequential External (Laser Engraved)

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

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

Base Model ■ 243 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging (only available with MIFARE CLASSIC 1K) **Optional Contact** 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 2.125" **Smart Card Module** 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 (5.4 cm) (Front Only) **Card Programming (select one option)** Module not included J - iCLASS programmed with Security Identity Object (SIO) and iCLASS standard access control application, 2nd technology programmed with Security Identity Object (SIO). 3.370" H - iCLASS programmed with Security Identity Object (SIO) (8.57 cm) and iCLASS standard access control application, 0.033" 2nd technology unprogrammed. (0.084 cm) **B** - iCLASS programmed with iCLASS standard access control application, 2nd Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESFire). P - iCLASS programmed with iCLASS standard access **Back Packaging** control application, 2nd Technology unprogrammed. Note: Illustrated marking is for DESFire cards. ☐ C - Unprogrammed iCLASS, for use with iCLASS SE Encoder, MIFARE Classic cards indicate MIFARE Non-programmed 2nd Technology. Optional Magnetic Stripe ■ A - iCLASS unprogrammed, for use with iCLASS SE Encoder, (1/2" HICO/High Energy - 4000 Oe) 2nd Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESFire). HID iCLASS 12345 **12345 YYYYYYYYYYY** 2nd High Frequency Technology (select one option) iCLASS# M - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits) 125 kHz# N - MIFARE 4K Bytes Front Packaging (select one option) G - Plain White with Gloss Finish C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ **Back Packaging (select one option)** ☐ **G** - Plain White with Gloss Finish² □ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe² 3 - Custom Artwork with Gloss Finish with Magnetic Stripe -Specify Custom Artwork Number¹ iCLASS Card Numbering³ (select one option) N - No External Card Numbering A - Sequential Matching Internal/External (Laser Engraved)



Slot Punch											
IMPORTANT: Dual HID re							he antenna de ard or badge				
X N - No Slot Punch.											
2nd High Frequency T N - No External Car A - Sequential Mate B - Sequential Inter C - Random Interna Option - Custom Arty	d Numbering Interning Interning Interning Interning Internity Inte	ng nal/Externa ntial Non-N	ıl (Laser Er latching Ex	ngraved) xternal (Lase	er Engra	aved)					
	(S	pecify Artv	vork Numb	er - Refer to	the Cu	stom Artwork	Forms for ne	w Artwork)		
Enter your final card	options fr	om the ab	ove selec	tions. Exa	mple: 2	2434PNGGN	INN				
Final Part Number	243							N		_	(Options #)
iCLASS Programn	ning Info	rmation									
Format Number (e.g. H10301)		eld Name(g. Facility		Valu	е	QTY	Encod	ed Start N	umber	Encoded St	top Number
Bit Numbers (e.g. 26 bit)							Printed	d Start Nui	mber	Printed Sto	p Number
ICE Number											
PIN: Sequential: St	art#		R	andom: Len	igth						
2 nd 13.56 MHz Pro	grammi	ng Inforr	mation								
Format Number (e.g. H10301)		eld Name(g. Facility		Valu	e	QTY	Encod	ed Start N	umber	Encoded St	op Number
Bit Numbers (e.g. 26 bit)							Printed	d Start Nui	mber	Printed Sto	p Number

Special Instructions:

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

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

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

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



iCLASS + Other 13.56 MHz + Prox Embeddable Card - 263

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

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

Base Model ■ 263 Composite 40% Polyester / PVC* iCLASS Memory Size and Allocation (select one option) 0 - 2k Bits (256 Bytes) with 2 Application Areas Front Packaging (only available with MIFARE CLASSIC 1K) **Optional Contact** 3 - 32k Bits (4K Bytes) Application areas 16k/2+16k/1 2.125" **Smart Card Module** 4 - 32k Bits (4K Bytes) Application areas 16k/16+16k/1 (5.4 cm) (Front Only) Card Programming (select one option) J - iCLASS programmed with Security Identity Object (SIO) Module not included and iCLASS standard access control application, 2nd technology programmed with Security Identity Object (SIO). H - iCLASS programmed with Security Identity Object (SIO) 3.370' SHARED (8.57 cm) and iCLASS standard access control application, CARD 0.033 2nd technology unprogrammed. **EDGE** (0.084 cm) K - iCLASS programmed with Secure Identity Object (SIO) and iCLASS standard access control application, 2nd Technology programmed with HID MIFARE (MIFARE Classic) or custom (MIFARE DESFire). **Back Packaging B** - iCLASS programmed with iCLASS standard access control application, 2nd Technology programmed Note: Illustrated marking is for DESFire cards. with HID MIFARE (MIFARE Classic) or custom (MIFARE DESFire). MIFARE Classic cards indicate MIFARE □ P - iCLASS programmed with iCLASS standard access **Optional Magnetic Stripe** control application, 2nd Technology unprogrammed. (½" HICO/High Energy - 4000 Oe) C - iCLASS unprogrammed, for use with iCLASS SE Encoder, **12345 YYYYYYYYYYY** 2nd Technology unprogrammed. HID iCLASS 12345 2nd Technology programmed with HID MIFARE 125 kHz# iCLASS# (MIFARE Classic) or custom (MIFARE DESFire). 2nd High Frequency Technology (select one option) M - MIFARE Classic 1K Bytes (only available with iCLASS 2k bits) N - MIFARE 4K Bytes 3rd Low Frequency Technology (select one option) P - Programmed with HID Prox or Indala format C - Programmed with Indala CX (Casi Prox) N - Unprogrammed HID Prox, for use with iCLASS SE Encoder Front Packaging (select one option) G - Plain White with Gloss Finish ■ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ **Back Packaging (select one option)** ☐ **G** - Plain White with Gloss Finish² C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number¹ 1 - Plain White with Gloss Finish with Magnetic Stripe²

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



iCLASS Card Numb	• •		ne optio	on)								
N - No External Ca		•										
A - Sequential Ma												
B - Sequential Inte				-		_						
C - Random Interr	nal/Non-N	/latching	g Sequer	ntial Extern	nal (Lasei	r Engrav	ved)					
Slot Punch												
IMPORTANT: Dual							unch due to card to a la					
N - No Slot Punch												
2nd High Frequency N - No External Ca			d Numb	ering³ (s	elect on	e optic	on)					
A - Sequential Ma	_			_								
■ B - Sequential Intellemental Intelleme												
C - Random Interr	nal/Non-N	/latching	g Sequer	ntial Extern	nal(Laser	Engrav	ed)					
3rd High Frequency N - No External Ca A - Sequential Ma B - Sequential Inter C - Random Interr Option - Custom Ar Enter your final care Final Part Number	ard Numb tching Internal/Seq nal/Non-N twork ¹	pering ternal/Expluential N Matching _(Specif	xternal (I Non-Mat 3 Sequer Sy Artwor	_aser Eng ching Extendial Externance	raved) ernal (Las nal(Laser r - Refer t	ser Engrav	raved) ed) ustom Artw		new Artw	vork)	_	(Options #)
iCLASS 13.56 M	Hz Prog	gramm	ing Inf	ormatio	on							
Format Number (e.g. H10301)			lame(s)	ode	Val	ue	QTY	Enco	ded Sta	rt Number	Encoded St	op Number
Bit Numbers								Print	ed Start	Number	Printed Stop	Number
(e.g. 26 bit)												
							1				1	
ICE Number							_					
PIN: Sequential: S	Start#				☐ p.	andomi	Length					
🗀 Ocquential. S	, cai t#				n	andoni.	_ongtii					



2nd 13.56 MHz Programming Information

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

125 kHz Card Programming Information

Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)			-	Printed Start Number	Printed Stop Number
(e.g. 20 bit)					

Special Instructions:

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

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

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

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



Embeddable HID Proximity Credentials

Smart ISOProx® II Card - 1597

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

Base Model		1597 Com	posite 40% Po	lyester / F	PVC	*			
Programming (select of L - Programmed, Low Specify Programming N - Non-Programmed Programming Inform	w Frequency (1) g Information. d, Low Frequen	cy (125 kHz).		Reserved for Contact Smart Chip Module (Embed on Front Only)	:	→	Front Packa Contact chi included	p not	
Front Packaging (selection of the control of the co	Gloss Finish with Gloss Finis work Number ¹ ct one option) with Gloss Finis	n²		0.033" 084 cm)		•	3.370" (8.57 cm))	SHARE CARD EDGE
Specify Custom Artw Card Numbering³ (sele N - No External Card A - Sequential Match B - Sequential Internal C - Random Internal	ork Number ^{1,2} ect one option Numbering hing Internal/Ex) ternal (Engraved) on-Matching Ext	ternal (Engraved)	2.125" (5.4 cm)			Back Packa	ging	
Slot Punch ⁴ N - No Slot Punch (Pr		of vertical slot pu	nch will remain)	<u> </u>		12345 = Ca	ard ID Number	12345 ҮҮҮҮҮҮҮҮ	244
Option - Custom Artwo	(Specify		er - Refer to the Cus		k For		-YY = Sales Ord Artwork)	ler Number	
Final Part Number	1597							-	(Options #)
125 kHz Card Progr	ramming Inf	ormation							
Format Number (e.g. H10301)			Value	QTY		Encoded	Start Number	Encoded St	top Number
Bit Numbers (e.g. 26 bit)						Printed St	art Number	Printed Sto	p Number
Special Instructions:									



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

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



Smart DuoProx® II Card - 1598

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

Base Model	l	⊠ 1598 Co	mposite 40% I	Polyester / P\	/C*				
Programming (select of L - Programmed, Low Specify Programming N - Non-Programmed, Programming Information	Frequency (1 Information. Low Frequer	ncy (125 kHz).		Reserved for Contact Smart Chip Module (Embed on Front Only)		Cor	ont Packag ntact chip included.	not	
Front Packaging (selection of the control of the co	oss Finish th Gloss Fini			Tiont Only)			3.370" (8.57 cm)		<u></u>
Back Packaging (select G - Plain White PVC wi C - Custom Artwork w Specify Custom Artwo	th Gloss Fini th Gloss Fini	sh ² sh –		0.033" (0.084 cm)			(6.57 6111)		SHARED CARD EDGE
Card Numbering³ (selection N - No External Card N A - Sequential Matchin B - Sequential Internal C - Random Internal/N	lumbering ng Internal/E /Sequential I	kternal (Engra Non-Matching	External (Engraved	2.125" (5.4 cm)	M		ck Packag	ing h Energy - 4000 Oe)	
Slot Punch ⁴ (select one N - No Slot Punch (Prin	option)			<u> </u>		ID		2345 ҮҮҮҮҮҮҮҮ	
□ V - Vertical Slot Punch Option - Custom Artwol	·k¹		nber - Refer to the C		Y	2345 = Card ID YYYYYYY-YY = for new Artwor	Sales Orde	r Number	
Enter your final card op	tions from o	check boxes	above. Example:	1598LGGAN					
Final Part Number	1598						_	(Optional A	Artwork #)
125 kHz Card Progra	mming In	formation							
Format Number (e.g. H10301)		lame(s) cility Code	Value	QTY	E	Encoded Start	Number	Encoded Stop	Number
Bit Numbers (e.g. 26 bit)					P	Printed Start N	umber	Printed Stop N	lumber
Special Instructional									



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



Embeddable MIFARE Classic and MIFARE DESFire Credentials

MIFARE Embeddable Card - 345 / 1436 / 1446

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

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

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

						·					
MIFARE Classic cards with SI (Recommended) 3450 (1K) Composite 40% Pc				OR		Composite 4	10% Polyeste	r / PVC*			
3456 (4K) Composite Polyest					1446 (4K) Composite Polyester 40% / PVC*						
Programming* (select one op P - Programmed with Securit for MIFARE Classic V - Unprogrammed Secure to for MIFARE Classic, for use w * A marker is placed in sector 6 and	otion) ty Identity Ol dentity object with iCLASS	oject (SIO) et (SIO), SE Encode			N - Unpro	rammed HID logrammed Milor HID) m programme	ne option) MIFARE6 acc IFARE Classic ed MIFARE C	for use with	n iCLASS SE	Encoder	
Front Packaging (select one of life Custom Artwork is desired, special E - Contact Module Embedding	ecify Custom			υW ¹	1		Optiona Smart C	ackaging I Contact ard Module			
Back Packaging (select one of G - Plain White with Gloss Fir 1 - Plain White with Gloss Fir C - Custom Artwork with Gloss Specify Custom Artwork Nur	nish ² nish with Ma ss Finish –	gnetic Strip	e ²		2.125" (5.4 cm)	1	Contact chip	r Back side) o not include			
3 - Custom Artwork with Glos Magnetic Stripe Specify Cus	ss Finish wit				0.033"	•		370" 7 cm)	-	SHARED CARD EDGE	
Card Numbering³ (select one Z - Reversed UID (CSN) Deci N - No External Card Numbe A - Sequential Matching Inte B - Sequential Internal/Sequential C - Random Internal/Non-Matching	mal card nui ring rnal/Externa ential Non-N	al (Laser Eng Matching Ex	graved) ⁴ ternal (Lase	er Engrave			Back Pa	nckaging	0 0 0		
Slot Punch ⁵ (select one optio N - No Slot Punch (Printed lo V - Vertical Slot Punch	•	rtical slot pu	ınch will re	main)		Magneti	c Stripe ½" HIC		y - 4000 Oe YYYYYYY-YY		
Option - Custom Artwork¹	10					YYYYYY	Card ID Nun		nber		
					om Artwork F	orms for new	Artwork)				
Enter your final card options	trom check	boxes abo		ple: 1430	UNEGNN		I				
Final Part Number			Е						(Optio	ns #)	



13.56 MHz Card Programming Information

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

Special Instructions:

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

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

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

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

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

⁶ Includes a permanent Unique MIFARE 32 Bit Serial number.

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



MIFARE DESFire Embeddable Card - 375 / 1456

Based on open global standards for security, and is interoperable with existing MIFARE DESFire EV1 infrastructures. All MIFARE DESFire

EV1 cards can be order either with or without SIO encoding. Use of a 1450 or 1456 for SIO encoding using the CP1000 will consume a chargeable credit.

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

Card with SIO encoding				OR	Card withou	t SIO encod	ling			
3750 Composite 40% Polyes	ter / PVC*				1456 Composite 40% Polyester / PVC*					
MIFARE DESFire EV1 Memory Size ☑ C - 8K Bytes MIFARE DESFire EV1 ☑ C - 8K Bytes MIFARE							•			
Programming □ P - Programmed Security Ide MIFARE DESFire EV1 □ V - Unprogrammed Secure Id DESFire EV1, for use with IC	dentity objec	et (SIO) for)		Encoder S - Custo	ogrammed 13 (custom)	8.56 MHz DES ESFire EV1 pr			CLASS SE
Front Packaging (select one of the Custom Artwork is desired, specify Custom Artwork Number E - Contact Module Embedder Back Packaging (select one of G - Plain White with Gloss Fire 1 - Plain White with Gloss Fire C - Custom Artwork with Gloss Fire Specify Custom Artwork Number Front Packaging (select one of G - Plain White with Gloss Fire C - Custom Artwork With Gloss Fire Specify Custom Artwork Number Front Packaging (select one of G - Plain White with Gloss Fire C - Custom Artwork Number Specify Custom Artwork Number Front Packaging (select one of G - Plain White with Gloss Fire C - Custom Artwork Number Front Packaging (select one of G - Plain White with Gloss Fire C - Custom Artwork Number Front Packaging (select one of G - Plain White with Gloss Fire C - Custom Artwork Number Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White with Gloss Fire C - Custom Artwork Number Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White with Gloss Fire Front Packaging (select one of G - Plain White Front Packaging (select one of G - Plain White Front Packaging (select one of G - Plain White Front Packaging (select one of G - Plain White Front Packaging (select one of G - Plain White Front Packaging (select one of G - Plain White Front Packaging (select one of G - Plain White Front Packaging (select one	below ¹ able Plain G option) nish ² nish with Ma ss Finish –				2.125" (5.4 cm)			Contact ard Module Back side) not include		
3 - Custom Artwork with Glos Specify Custom Artwork Nut	ss Finish wit	h Magnetio	c Stripe -	((0.033" 0.084 cm)		(8.57	cm)		SHARED CARD EDGE
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						Back Pa			<u></u>	
Slot Punch⁵ (select one optio ■ N - No Slot Punch (Printed lo ■ V - Vertical Slot Punch	•	rtical slot p	unch will re	main)		12345 = 0	Stripe ½" HICC Card ID Numl YY-YY = Sales	12345 Y Y	/үүүүүү-үү	
Option - Custom Artwork¹ ☐	(Specify Art	work Numb	oer - Refer to	the Cust	om Artwork Fo	orms for new	Artwork)			
Enter your final card options	from check	boxes ab	ove. Exam	ple: 145	6CNEGNN					
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 (e.g. 26 bit)				Printed Start Number	Printed Stop Number

Special Instructions:

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

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

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

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

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

⁶ Includes a permanent Unique MIFARE 56 Bit Serial number.



MIFARE + Prox Embeddable Card - 355 / 1437 / 1447

Encompasses the industry's broadest range of open standard contactless smart card products. Provides the memory structure and capacity to store multiple applications on a single credential with the addition of Proximity technology for easier migration. All MIFARE Classic + Prox cards can be ordered with or without SIO encoding. Use of a 1431, 1441, 1437, or 1447 for SIO encoding using the CP1000 will consume a chargeable credit.

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

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

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)
	□ 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	
	☐ B - Programmed 13.MHz with HID MIFARE6 access control application programmed 125 kHz with HID Prox or Indala format
SE Encoder	■ N - Unprogrammed 13.56 MHz MIFARE (for use with SE Encoder
* A marker is placed in sector 6 and will not be available for other data	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)	
If Custom Artwork is desired, specify Custom Artwork Number below ¹	Front Packaging
▼ E - Contact Module Embeddable Plain Gloss White Finish	Optional Contact Smart Card Module
Back Packaging (select one option) ☐ G - Plain White with Gloss Finish²	2.125" (Front or Back side)
1 - Plain White with Gloss Finish with Magnetic Stripe ²	Contact chip not included
3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number ^{1,2}	
C - Custom Artwork with Gloss Finish -	3.370" SHARED
Specify Custom Artwork Number ^{1, 2}	0.033" (0.07 5 m) (CARD
13.56 MIFARE Card Numbering³ (select one option) ☐ N - No External Card Numbering	(0.084 cm)
☐ A - Sequential Matching Internal/External (Laser Engraved) ⁴	
■ B - Sequential Internal/Sequential Non-Matching External (Laser Engraved) ⁴	Back Packaging
☐ C - Random Internal/Non-Matching Sequential External (Laser Engraved) ⁴	•
Z - Reversed UID (CSN) Decimal card numbering only (Laser Engraved) ⁴	Magnetic Stripe ½" HICO/High Energy - 4000 Oe 12345 12345 YYYYYYYYYYY
Slot Punch ⁵ (select one option)	12345 12345 YYYYYYYYY)
N - No Slot Punch (Printed location of vertical slot punch will remain)	 125 kHz# 13.56 MHz#

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 Optional Contact Smart Card Module** 2.125" (Front or Back side) (5.4 cm) Contact chip not included 3.370" SHARED (8.57 cm) CARD 0.033" EDGE (0.084 cm) **Back Packaging** Magnetic Stripe 1/2" HICO/High Energy - 4000 Oe 12345 **12345 YYYYYYYYYY** 125 kHz# 13.56 MHz# 12345 = Card ID Number YYYYYYYYY = Sales Order Number



125 kHz Prox Card Numb	erina³ (selec	t one opti	ion)								
■ N - No External Card Nu			,								
☐ A - Sequential Matching	Internal/Exte	rnal (Laser	- Engrav	ed) ⁴							
☐ B - Sequential Internal/S	Sequential Nor	n-Matching	Extern	al (Laser Eng	raved)4						
C - Random Internal/No	n-Matching Se	equential E	xternal	(Laser Engra	ved) ⁴						
	_	•									
Option - Custom Artwork		fy Artwork	Numbe	er - Refer to th	a Custom	Δrtwor	k For	rms for new	Δrtwork)		
LJ	(opeci	IY ALLWOIK	Numbe	ar - Neier to th	ie Guston	AITWOI	K I UI	THIS TOT TIEW 7	-itwork)		
Enter your final card option	ons from che	ck boxes	above	. Example: 1	1441NEG	NNN					
Final Part Number			E							_	(Options #)
13.56 MHz Programm	ing Inform	ation									
	9	4									
Format Number	Field Nar	ne(s)		Value	QT	Υ	Encoded Start Number		Encoded Stop Number		
(e.g. H10301)	e.g. Facili	ity Code									
Bit Numbers							F	Printed Start	Number	Printed	Stop Number
(e.g. 26 bit)											
125 kHz Programminզ	g Information	on									
Format Number	Field Nar			Value	QT	Y	E	Encoded Sta	rt Number	Encode	ed Stop Number
(e.g. H10301)	e.g. Facili	ity Code			_						
					_						
Bit Numbers							F	Printed Start	Number	Printed	Stop Number
(e.g. 26 bit)					_						
Special Instructions:											

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

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

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

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

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

⁶ Includes a permanent Unique MIFARE 32 Bit Serial number.

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



MIFARE DESFire + Prox Embeddable Card - 385 / 1457

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

Ensure each required option has been checked with the appropriate choic	ce to fulfill a complete	ed order form.	
Card with SIO encoding + Prox (Recommended) ☐ 3850 Composite 40% Polyester / PVC* MIFARE DESFire EV1 Memory Size ☑ C - 8K Bytes DESFire EV1 Programming (select one option) ☐ P - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE DESFire EV1, unprogrammed 125 kHz HID Prox (for use with iCLASS SE Encoder) ☐ R - Programmed 13.56 MHz with Security Identity Object (SIO) for MIFARE DESFire EV1, programmed 125 kHz HID Prox or Indala ☐ V - Unprogrammed 13.56 MHz with Secure Identity object (SIO) for MIFARE DESFire EV1 for use with iCLASS SE Encoder (SIO), unprogrammed 125 kHz HID Prox for use with iCLASS SE Encoder.	*HITAG based MIFARE DESFire C - 8K Bytes D Programming (s L - Programm MHz DESFire N - Unprogram (custom), unp S - Custom pr Prox for iCLA: R - Custom pr Indala, custor F - Unprogram Encoder (cus G - Custom pr	site 40% Polyester / PVC* cards are not available with composite EV1 Memory Size	E Encoder E Encoder. rammed HID d Iz HID Prox or CLASS SE
Front Packaging If Custom Artwork is desired, specify Custom Artwork Number below¹ ■ E - Contact Module Embeddable Plain Gloss White Finish Back Packaging (select one option) ■ G - Plain White with Gloss Finish² ■ 1 - Plain White with Gloss Finish with Magnetic Stripe² ■ 3 - Custom Artwork with Gloss Finish with Magnetic Stripe - Specify Custom Artwork Number¹,² ■ C - Custom Artwork with Gloss Finish - Specify Custom Artwork Number¹,²	2.125" (5.4 cm)	Front Packaging Optional Contact Smart Card Module (Front or Back side) Contact chip not included 3.370" (8.57 cm)	SHAREI CARD EDGE
13.56 MIFARE DESFire Card Numbering ³ (select one option)	(0.084 cm)		_

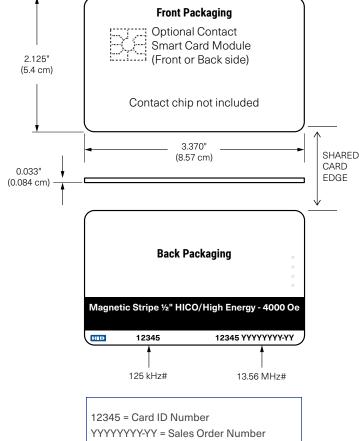
- N No External Card Numbering
- ☐ A Sequential Matching Internal/External (Engraved)⁴
- B Sequential Internal/Sequential Non-Matching External (Engraved)⁴
- ☐ C Random Internal/Non-Matching Sequential External (Engraved)⁴
- ☐ **Z** Reversed UID (CSN) Decimal card numbering only (Laser Engraved)⁴

Slot Punch⁵ (select one option)

- N No Slot Punch (Printed location of vertical slot punch will remain)
- ☐ **V** Vertical Slot Punch

125 kHz Prox Card Numbering³ (select one option)

- N No External Card Numbering
- ☐ A Sequential Matching Internal/External (Engraved)⁴
- B Sequential Internal/Sequential Non-Matching External (Engraved)⁴
- ☐ C Random Internal/Non-Matching Sequential External (Engraved)⁴





Option - Custom Artwoi	rk¹				
<u> </u>	(Specify Artwork Number	er - Refer to the Co	ustom Artwork	Forms for new Artwork)	
Enter your final card op	tions from check boxes abo	ove. Example: 1	457CNEGNNN	V	
Final Part Number	1457 C	E			- (Options #)
3.56 MHz Program	ming Information				
Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)				Printed Start Number	Printed Stop Number
25 kHz Programmiı	ng Information				
Format Number (e.g. H10301)	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
Bit Numbers (e.g. 26 bit)				Printed Start Number	Printed Stop Number
Special Instructions]		'

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

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

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

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

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

⁶ Includes a permanent Unique MIFARE 56 Bit Serial number.

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



Revision history

Date	Description	Revision
May 2023	Added MIFARE DESFire EV3 Multi-Technology cards. Various minor updates.	D.4
November 2022	Updates Mobile Access Essentials subscription information.	D.3
October 2022	Updates to Mobile Access.	D.2
September 2022	Updates to HID Signo Readers credential profile table and configuration option table. Added the Fingerprint Enrollment USB Reader. Minor updates. Applied new branding. Changed iCLASS Seos to Seos. Added 'X' to selection boxes where there are no selectable options.	D.1
September 2021	Removed HID Signo Fingerprint Enrollment USB Reader.	D.0
August 2021	Updated Technical Support contact information.	C.9
August 2021	Added Signo PIV Readers, Signo Biometric Readers, and MIFARE DESFire EV3 Credentials. Minor updates.	C.8
February 2021	Added Seos Essential Credentials.	C.7
October 2020	Updated Signo Reader Credential Profiles options.	C.6
September 2020	Updated Signo Reader section images and credential options. Updated Mobile Access onboarding URL and Mobile Identities Service Ordering Information section. Added Embeddable Credentials.	C.5
May 2020	Updated HID Signo Readers section. Updated EMEA contact address.	C.4
March 2020	Minor update.	C.3
March 2020	Added Décor BLE model.	C.2
March 2020	Minor updates.	C.1
February 2020	Added HID Signo.	C.0
November 2019	Added Seos Clamshell - 565. Minor updates.	B.9
October 2019	Added Seos Key Fob - 526.	B.8
July 2019	Minor updates.	B.7
June 2019	Minor updates.	B.6
April 2019	Added iCLASS SE Express and Biometric (RB25F) Readers. Added iCLASS Seos 8K with MIFARE Classic or DESFire EV1 Implementation – 5806/5906.	B.5
January 2019	New "Understanding Credentials" section, revised iCLASS SE Encoder section, various minor updates to credential product pages including programming forms.	B.4
October 2018	Updated Mobile Access section.	B.3
September 2018	Updated to include iCLASS SE and multiCLASS SE Bluetooth and OSDP Upgrade Kits.	B.2
August 2018	Removed EOL 282 card. Various minor updates.	B.1
December 2017	Updated Credentials section with information on the HID Global Product Configurator. Various minor updates.	B.0
September 2017	Update to iCLASS SE Biometric and Display.	A.9
August 2017	Update to iCLASS SE Biometric ReaderSupport/Keyset and Configuration Settings.	A.8
July 2017	New iCLASS SE Biometric and Display Readers. Removed EOL iCLASS LCD products.	A.7
June 2017	Updated Mobile Access section.	A.6
June 2017	Removed EOL bioCLASS products.	A.5
June 2017	Updated Mobile Access section.	A.4
February 2017	Removed EOL products, image updates.	A.3
December 2016	Seos 8k options note, added new 522 iCLASS Seos + iCLASS Card. Amended 520 iCLASS + Seos + iCLASS + Prox.	A.2
September 2016	iCLASS SE U90, wiring connection updates.	A.1
March 2016	Initial release.	A.0



hidglobal.com

Americas and Corporate: +1 866 607 7339 Europe, Middle East, Africa: +44 (0) 1440 711 822 Asia Pacific: +852 3160 9833 Latin America: +55 11 5514-7100

For more global phone numbers click here

© 2023 HID Global Corporation/ASSA ABLOY AB. All rights reserved. PLT-02630, Rev. D.4

Part of ASSA ABLOY