MIFARE DESFire EV3 Multi-Technology Card How to Order Guide

PLT-06186, Rev A.0 March 2022





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Contacts

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

What's new

Date	Description	Revision
March 2022	Inital release.	A.0

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

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HID Global® DESFire EV3 multi-technology credentials are available with a range of programming profiles to meet high security requirements using Secure Identity Object™ (SIO®). They offer compatibility with existing EV1 based infrastructure or meet bespoke specifications and include iCLASS® and HID® Prox™/Indala® technology to support diverse systems or migration projects.

There are three core DESFire EV3 programming profiles. Each DESFire profile is available with additional iCLASS or iCLASS and HID/Indala Prox technology.

• DESFire EV3 High Security Profile

A Secure Identity Object (SIO) based DESFire EV3 application that utilizes the latest security features combined with random UID for enhanced privacy protection. Compatible with HID Signo™ Reader firmware 10.0.2.2 (service pack 2) or greater.

• DESFire EV3 Compatibility Profile

A Secure Identity Object (SIO) DESFire EV1 Secure Identity Object (SIO) based application to support iCLASS and multiCLASS® SE and HID Signo Reader. This option includes the High Security Profile to support a seemless transition to a High Security Profile based reader solution.

• DESFire EV3 Custom Profile

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

	Base Par	t Number	DESFire Compatibility						
	DESFire + iCLASS/ iCLASS SE	DESFire + iCLASS/ iCLASS SE + Prox	Readers	CP1000					
High Security Profile	822	832	HID Signo Reader (Firmware 10.0.2.2 or greater)	Custom Application Programming with Non-Diversified keys					
Compatibility Profile	821	831	HID Signo Reader, iCLASS SE®, multiCLASS SE Readers	EV1 SIO and Custom Application Programming					
Custom Profile	820	830	HID Signo Reader Custom Profile iCLASS SE Custom Profile, multiCLASS SE Custom Profile	EV1 Custom Application Programming					



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 10.0.2.2 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 fulfil 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 10.0.2.2 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.

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iCLASS Card Numb	_	•												
■ N - No Printed Ca	rd Num	bering, s	ales num	ber marki	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	graved)							
C - Random Enco	ded/No	n-Match	ing Sequ	ential Prir	nted (Lase	r Engra	aved)							
Option - Custom Ar	twork ³	_(Specify	/ Artwork	Number	- Refer to	the Cus	stom Artwor	k Forms	for new Arty	work)				
Enter your final care	d optio	ns from	check b	oxes abo	ove. Exar	mple: 8	322F4PPG0	SANA						
Final Part Number	822	F		P					N		-	(Options #)		
DESFire EV3 Car	d Prog	gramm	ing Info	ormatio	n									
Format Number	Field Name(s) Va					lue	QTY		Encoded S	Start Num	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		Val	lue	QTY		Encoded S	Start Num	ber	Encoded Stop Number		
HID Elite ICE									Printed Start Number Printed Stop Number					

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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 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 10.0.2.2 or higher.

Ensure each required option has been checked with the appropriate choice to fulfil 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 10.0.2.2 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.

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



iCLASS Card Num N - No Printed C A - Sequential M B - Sequential E C - Random End	Card No Matchir Encode	umber ng Enc d/Seq	ing oded/Pri uential N	inted (La Ion-Mate	aser Eng ching Pri	inted (La		-						
125 KHz Card Nui N - No Printed 0		_	ina											
A - Sequential N				inted (La	aser Eng	raved)								
☐ B - Sequential E	ncode	d/Seq	uential N	Ion-Mate	ching Pri	inted (La	ser En	graved)						
C - Random End	coded/	Non-N	/latching	Sequen	tial Print	ed (Lase	r Engr	aved)						
Option - Custom	Artwo													
	Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)													
Enter your final ca	ard op	tions	from ch	eck box	es abo	ve. Exan	nple:	832F4PPP	GGANA	A				
Final Part Number	832	F		Р						N			-	(Options #)
DESFire EV3 C	ard P	rogra	mming	g Infor	mation	1								
Format Number				ield Name(s) Value QTY Encoded Start Number Encoded Stop Number g. Facility Code										oded Stop Number
HID Elite ICE										Printed	Start Nu	umber	Print	ed Stop Number
iCLASS Card P	rogra	mmiı	ng Info	rmatic	n									
Format Number			Field Na e.g. Faci		e	Val	ue	QTY		Encode	d Start I	Number	Enco	ded Stop Number
HID Elite ICE										Printed	Start Nu	umber	Print	ed Stop Number
125VU= Cord D	KO 61 KO		na Info	rmotic	. n									
125KHz Card P	rogra		ng mio	mauc	711									
Format Number			Field Na e.g. Faci		e	Val	ue	QTY		Encode	d Start I	Number	Enco	oded Stop Number
										Printed	Start No	umber	Print	ed Stop Number

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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

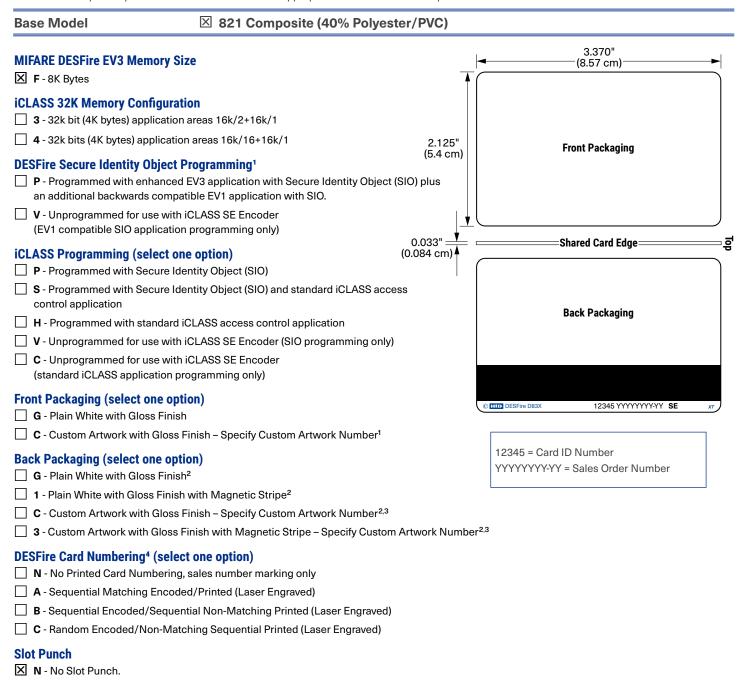
Offers the flexibility of DESFire EV3 backwards compatibility with iCLASS SE readers and third-party applications that rely on static UID. Programmed additionally with the enhanced application that leverages the new features of EV3 plus a Secure Identity Object (SIO) that is supported by HID Signo readers with firmware 10.0.2.2 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.

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 fulfil a completed order form.



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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	atching I	Encoded	/Printed	(Laser En	graved)							
☐ B - Sequential En	coded/S	Sequenti	al Non-M	atching 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	/ Artwork	Number	- Refer to	the Cu	stom Artwor	k Forms	s for new Art	work)		
Enter your final car	d optio	ns from	check b	oxes ab	ove. Exai	nple: 8	321F4PPG	ANA				
Final Part Number	821	F							N		_	(Options #)
									I	1		
DESFire EV3 Car	d Prog	gramm	ing Info	ormatio	n							
Format Number			Name(s acility C	•	Val	lue	QTY		Encoded S	Start Numl	ber	Encoded Stop Number
HID Elite ICE							L		Printed Sta	art Numbe	er	Printed Stop Number
iCLASS Card Pro	gramı	ming Ir	ıforma	tion								
Format Number			Name(s)	•	Val	lue	QTY		Encoded S	Start Numi	ber	Encoded Stop Number
HID Elite ICE									Printed Start Number Printed Stop Number			

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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.

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.



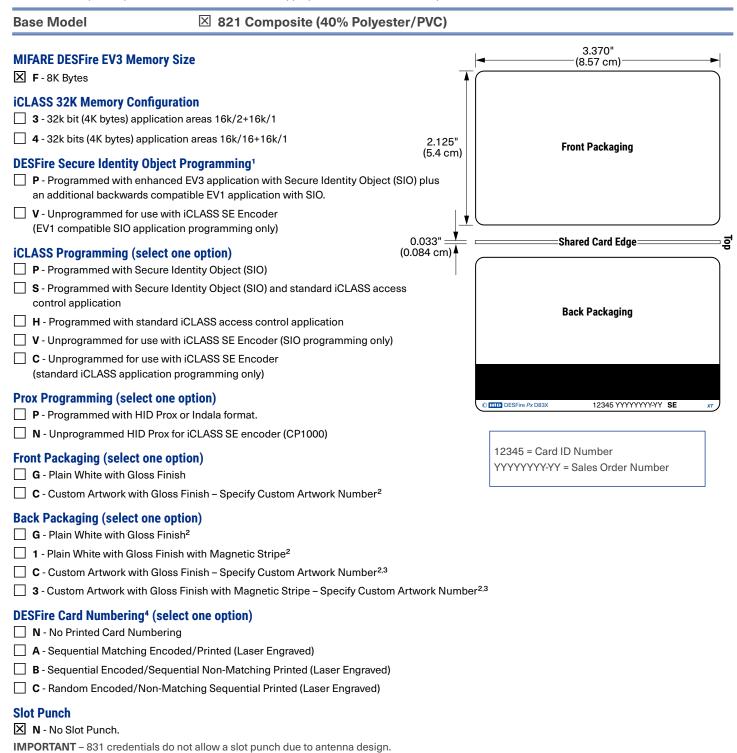
MIFARE DESFire EV3 + iCLASS + Prox Card: Compatibility Profile - 831

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 10.0.2.2 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.

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



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iCLASS Card Num N - No Printed C A - Sequential N B - Sequential E C - Random Enc	Card Nu Matchin Incoded coded/	umber ng Enc d/Seq Non-N	ing, sales oded/Pri uential N	s numb inted (L Ion-Ma	er markir aser Eng tching Pr	raved) inted (Las	_									
125 KHz Card Nur N - No Printed 0		•	ing													
A - Sequential N				inted (L	aser Eng	raved)										
☐ B - Sequential E	ncode	d/Seq	uential N	Ion-Ma	tching Pr	inted (Las	er Enç	graved)								
C - Random End	C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)															
Option - Custom		(S						stom Artwo			Artwork)					
Final Part Number	831	F								N			T -	.	(Optio	ns #)
DESFire EV3 Ca	ard Pr	rogra	mming	g Info	rmatior	า										
Format Number	Field Name(s) Value QTY Encoded Start Number Encoded Stop Number e.g. Facility Code															
HID Elite ICE										Printed	Start Nu	ımber	P	rinted	d Stop Number	
iCLASS Card P	rogra	mmiı	ng Info	rmati	on											
Format Number			Field Na e.g. Faci		de	Valu	ie	QTY		Encode	ed Start I	Numbei	r E	ncod	ed Stop Numbe	er
HID Elite ICE										Printed	Start Nu	umber	P	rinte	l Stop Number	
125KHz Card P	rogra	mmi	ng Info	rmati	on											
Format Number			Field Na e.g. Faci		de	Valu	ne e	QTY		Encode	ed Start I	Numbei	r E	ncod	ed Stop Numbe	er
										Printed	Start Nu	umber	P	rinte	d Stop Number	

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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.

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.

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

Card without SIO encoding Base Model ⊠ 820 Composite (40% Polye	ster/PVC)			
		4	3.370" (8.57 cm)	
MIFARE DESFire EV3 Memory Size F - 8K Bytes	<u> </u>		(6.57 CIII)	$\overline{}$
•				
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 Dooks visus	
	(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	<u>ء</u> ِ
iCLASS Programming (select one option)	(0.084 cm)			$\overline{}$
P - Programmed with Secure Identity Object (SIO)	ı			
S - Programmed with Secure Identity Object (SIO) and standard iCLASS accontrol application	cess		Back Packaging	
☐ 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)				
Front Packaging (select one option) G - Plain White with Gloss Finish		© HID DESFire D83X	12345 YYYYYYYYY SE	хт
☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ³				
Back Packaging (select one option) G - Plain White with Gloss Finish ²		12345 = Card	ID Number Y = Sales Order Number	
☐ 1 - Plain White with Gloss Finish with Magnetic Stripe ²				_
☐ C - Custom Artwork with Gloss Finish – Specify Custom Artwork Number ^{2,5}				
3 - Custom Artwork with Gloss Finish with Magnetic Stripe – Specify Custo	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.				

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iCLASS Card Numb	ering⁴ (select	one opti	on)								
■ N - No Printed Ca	ard Numb	pering, s	sales num	ber marl	king only							
A - Sequential Ma	atching E	Encoded	l/Printed	(Laser E	ngraved)							
☐ B - Sequential En	coded/S	Sequent	ial Non-M	atching	Printed (Laser I	Engrave	d)					
Ontion Custom A	utura ulc1											
Option - Custom A		(0:	At	. N	Defende de c	0	Λ		ί Λ			
<u> </u>		_(Specii	y Artwork	Numbe	r - Refer to the (Custom	Artwork F	orms	for new Art	work)		
Enter your final car	rd option	ns from	check b	oxes al	ove. Example	e: 820F	4NPGGN	NA				
Final Part Number	820	F							N		_	(Options #)
												, , ,
DESFire EV3 Car	rd Proc	ıramm	ing Infe	ormati	on							
DEGI II C E VO GAI	101109	jiaiiiii	iiig iiii	Jimati	<u> </u>							
Format Number		Field	l Name(s)	Value		QTY		Encoded S	Start Num	ber	Encoded Stop Number
		e.g. l	Facility C	ode								•
						'		_	Printed St	art Numbe	er	Printed Stop Number
iCLASS Card Pro	ogramn	ning l	nforma	tion								
Format Number			l Name(s Facility C	•	Value		QTY		Encoded S	Start Num	ber	Encoded Stop Number
HID Elite ICE						' '			Printed St	art Numbe	er	Printed Stop Number

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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.



N - No Slot Punch.

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.

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 fulfil 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)	-
▼ - 8K Bytes DESFire EV3	<u> </u>		(e.e.,	
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 Programming¹ (select one option)	(5.4 cm)		Tronc r dokaging	
iCLASS Programming (select one option) P - Programmed with Secure Identity Object (SIO) S. Programmed with Secure Identity Object (SIO)	0.033" (0.084 cm)		Shared Card Edge	<u> </u>
 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)		© HID DESFire Px D83X	12345 YYYYYYYYYY 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 YYYYYYYYYYYY	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)				

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A - Sequential M	Card Nu Matchir	umbe ng En	elect one option option of the control of the coded/Printed (Louential Non-Ma	er marking aser Engra	aved)	er Engrav	/ed)					
125 KHz Card Nun N - No Printed C A - Sequential N B - Sequential E C - Random Enc	Card Nu Matchir Incode	umbe ng En d/Se	coded/Printed (l quential Non-Ma	tching Prin	nted (Lase	•	•					
Option - Custom A		(Specify Artwork I						Artwork)			
Final Part Number	830	F						N			-	(Options #)
DESFire EV3 Ca	ard Pı	rogr	amming Info	rmation								
Format Number			Field Name(s) e.g. Facility Co	de	Valu	е	QTY	Encoded Start Number			Encoded Stop Number	
								Printed	Start No	umber	Print	ed Stop Number
iCLASS Card Pr	rogra	mm	ing Informati	on								
Format Number			Field Name(s) e.g. Facility Co	de	Valu	е	QTY	Encode	ed Start I	Number	Enco	ded Stop Number
HID Elite ICE/MOI	B#							Printed	Start No	ımber	Print	ed Stop Number
125KHz Card Pr	rogra	mm	ing Informati	on								
Format Number			Field Name(s) e.g. Facility Co	de	Valu	е	QTY	Encode	ed Start I	Number	Enco	ded Stop Number
								Printed	Start No	umber	Print	ed Stop Number

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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.



Revision history

Date	Description	Revision
January 2022	Initial release.	A.0



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