

Datum: Donderdag 30 april - 12:00 tot 13:00 uur

Webinar: HID SIGNO kaartlezers

Spreker: Jean-Paul van Daelen, Product Manager Toegangscontrole

In deze Webinar behandelen we de volgende onderwerpen:

- Nieuwe HID Signo lezers met hun specificaties en eigenschappen
- Wat zijn de voordelen
- Assortiment

Webinar HID Signo lezers

HELLO SIGNO



Modellen Signo lezers

Introducing **HID SIGNO™**

The Signature Line of Access Control
Readers from HID Global



Introductie Signo

Introducing **HID SIGNO™**

The Signature Line of Access Control
Readers from HID Global



Introductie Signo

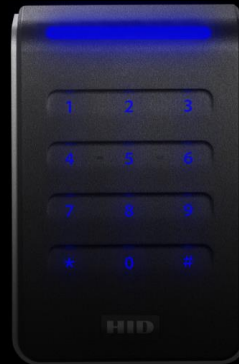
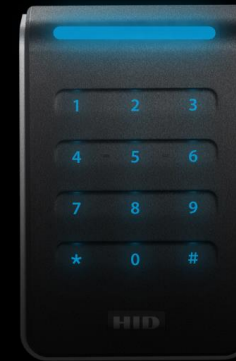
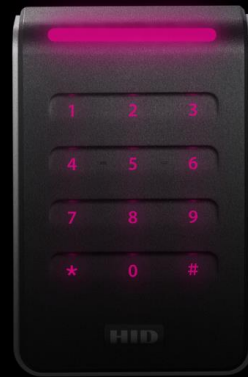
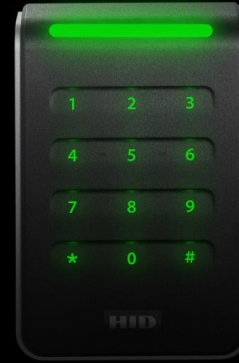
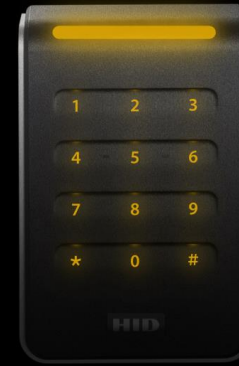
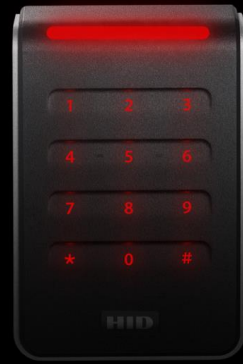


HELLO
SIGNO

Signo meerkleuren LED's

Introducing **HID SIGNO™**

The Signature Line of Access Control
Readers from HID Global



LED's via HID Reader app te configureren

- HID is markleider op het gebied van kaartlezers
- HID maakt ook kaarten en druppels
- HID is onderdeel van de Assa Abloy groep
- HID kan meerdere type credentials lezen



- Zoals HID Prox, Axiom Prox, EM, Indala, Mifare, iClass, SEOS, NFC/BLE Mobile SEOS
- Brede ondersteuning voor verschillende telefoons.
- Ideale product voor migratie projecten
- ARAS is een **HID Gold Partner**



Wat doet HID

HID® Signo™ Readers

Models: 20, 40, 20K, 40K



Signo model-codes



Signo 20



Signo 20K



Signo 40



Signo 40K

Signo lezers



10

15

40

K40



Signo 20

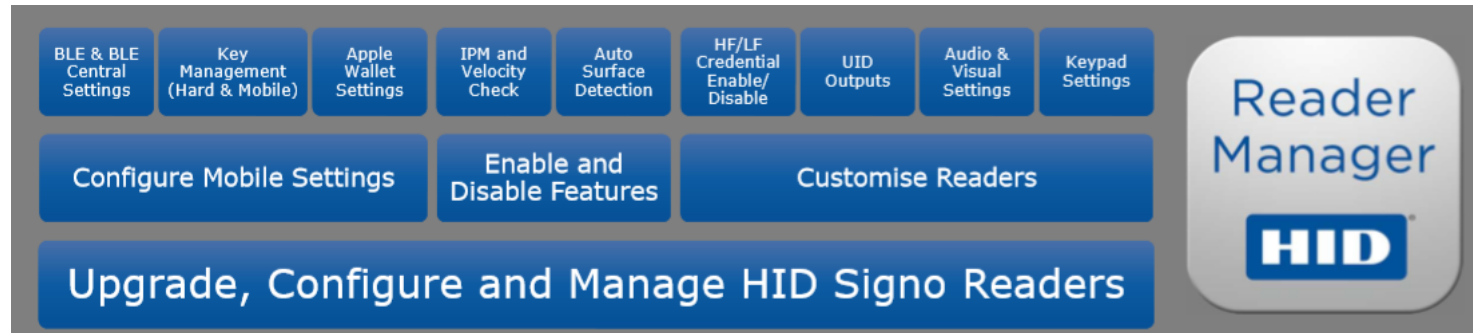
Signo 20K

Signo 40

Signo 40K

Verschillen huidige lezers met nieuwe Signo lezers

- Oude lezers zowel met configuratiekaarten als de Reader App te configureren.
- Nieuwe Signo lezers alleen via de Reader manager te configureren*



- Nieuwe lezer met kabel of verzonken terminal aansluiting
- Standaard voorzien van OSDP en Bluetooth
- Capacitief keypad*

Verschillen huidige lezers met nieuwe Signo lezers

PRODUCT COMPARISON CHART



HID Reader Platforms

Reader Series	HID Signo™	iCLASS SE® / multiCLASS SE®
General Information		
Image		
Purpose	Highly versatile platform designed to provide unmatched breadth of support for a wide range of verticals, including access control systems of the past, present and future.	Flexible platform for highly adaptable, interoperable and secure access control solutions suited to a wide range of verticals.
Base Model & Form Factors	20 - mullion 40 - wallswitch 20K - mullion keypad 40K - wallswitch keypad	R10 / RP10 - mini-mullion R15 / RP10 - mullion R40 / RP40 - wallswitch RK40 / RPK40 - wallswitch keypad
Security Rating - Secure Element Hardware	EAL 5+*	EAL 5+
2.4 GHz Credential Compatibility	Yes - Integrated Supports HID Mobile Access	Yes - only through extra module Supports HID Mobile Access
	Yes - Integrated	Yes - Integrated Support for:

Document met verschillen


Model	20	20K	40	40K
2.4GHz Bluetooth	SEOS mobiele credentials			
13.56 NFC	SEOS, iClass, iClass SE, iClass SR, iClass, Mifare Classic, Mifare DESFire EV1/EV2			
13.56 credentials	SEOS mobiele credentials			
125KHz credentials	HID Proximity, Indala Proximity, AWID (Axiom) Proximity, EM Proximity			
Leesbereik	4-10 cm afhankelijk van type kaart of druppel			
Montage	Deurstijl	Deurstijl	Wandmontage	Wandmontage
Kleur	Zwart met zilverkleurige rand (zwarte rand als accessoire beschikbaar)			
Afmetingen (bxhxd)	45 x 121,5 x 19,5 mm	45 x 121,5 x 19,5 mm	80 x 121,5 x 19,5 mm	80 x 121,5 x 19,5 mm
Gewicht	75g	90g	120g	140g
Spanning	10-14Vdc			
Stroom	NSC: 60mA	NSC: 65mA	NSC: 65mA	NSC: 70mA
	Piek: 250mA	Piek: 250mA	Piek: 250mA	Piek: 250mA
	Max: 70mA	Max: 75mA	Max: 75mA	Max: 80mA
	IPM: 45mA	IPM: 48mA	IPM: 45mA	IPM: 55mA

Signo Specificaties

Model	20	20K	40	40K
Ingangen	Drie kleuren LED, zoemer, Hold			
Uitgangen	Sabotage contact 0-60Vdc@100mA, potentiaal vrij contact			
Bedrijfstemperatuur	(-36° C tot +66° C)			
Luchtvochtigheid	0-95%			
Keuringen	UL294, IP65			
Frequentie	125KHz, 13,56MHz, 2,4GHz			
Communicatie	Wiegand en RS485 half duplex (OSDP) via kabel of terminal aansluiting			
Configuratie	Via HID Reader manager App of via OSDP			
Certificatie	www.hidglobal.com/certifications			
Beveiligingsniveau	EAL5+			
Materiaal	Polycarbonate UL94 V0			
Garantie	www.hidglobal.com/certifications			

Signo specificaties



- Standaard SEOS
- Standaard NFC/Bluetooth SEOS
- Standaard Wiegand en  OSDP™
- Ondersteuning breed assortiment credentials
- Capacitief keypad*
- Kabel of verzonken terminal aansluiting
- Security level EAL5+
- Configuratie via HID reader app

Specifieke eigenschappen Signo



- Oppervlakte detectie
 - Slechtziende mode
 - iBeacon ondersteuning
 - IPM Intelligent Power Mode
 - Hack aanval detectie
 - ECP Apple 'Enhanced Contactless Polling'
- Support credentials in Apple Wallet

Bijzonder aan Signo lezers



- Automatische oppervlakte detectie
(Automatic Surface Detection)

Automatic Surface Detection



- Slechtziende modes
(Visually Impaired Mode)



Visually Impaired Mode

- iBeacon ondersteuning voor een snellere lezing via Bluetooth (BLE)



09:47
50k
4G

Access logs

2020-04-18 09:47:42
Entered iBeacon area

2020-04-18 09:05:50
No reader in range
(null); (null); 0dBm; T/G; 0ms

2020-04-18 08:50:24
No reader in range
(null); (null); 0dBm; T/G; 0ms

2020-04-18 08:48:06
No reader in range
(null); (null); 0dBm; T/G; 0ms

2020-04-18 08:46:08
Exited iBeacon area

2020-04-18 08:45:21
Twist and Go not supported by reader
Seos; 1806; -98dBm; T/G; 0ms

2020-04-18 08:44:00
Twist and Go not supported by reader
Seos; 1806; -91dBm; T/G; 0ms

2020-04-18 08:43:46
Entered iBeacon area



iBeacon support

15:47	
Access logs	
	2020-04-15 15:36:34 Communication successful Seos; E520; -60dBm; Enhanced Tap; 316ms
Signo	2020-04-15 15:36:31 Communication successful Seos; E520; -43dBm; Enhanced Tap; 355ms
	2020-04-15 15:36:28 Communication successful Seos; E520; -65dBm; Enhanced Tap; 380ms
	2020-04-15 15:36:20 Communication successful Seos; D62D; -38dBm; TAP; 667ms
iCLASS SE	2020-04-15 15:36:14 Communication successful Seos; D62D; -39dBm; TAP; 665ms
	2020-04-15 15:36:03 Communication successful Seos; D62D; -39dBm; TAP; 668ms
	2020-04-15 15:35:52 Communication successful Seos; D62D; -39dBm; TAP; 700ms

- iBeacon ondersteuning

voor een snellere lezing via Bluetooth (BLE)

Voor een lezing bij de juiste lezer



Signo lezers

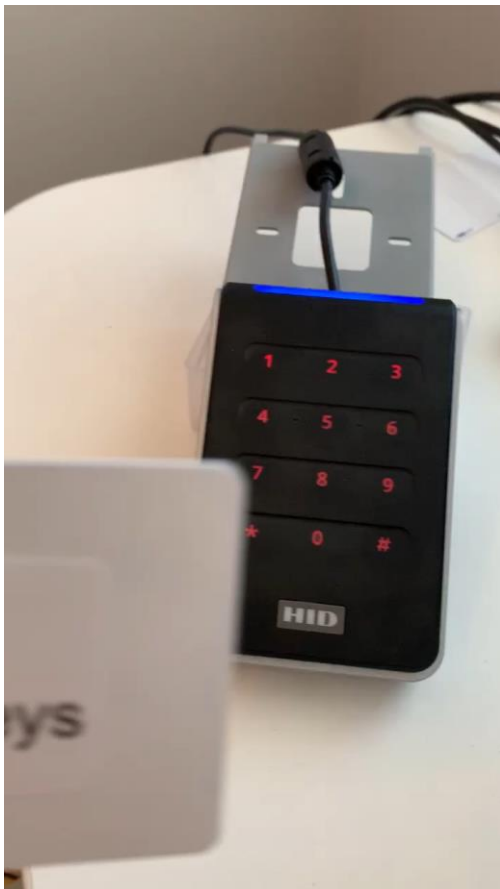


•IPM Intelligent Power Mode

Intelligent Power Mode bespaart tot 40% energie!

- Na standaard 30 seconden:
 - LED gaat knipperen en dimpt
 - Communicatie/detectie langzamer
- IPM staat standaard uit

Intelligent Power Mode



- Hack aanval detectie
(Velocity Attack Detection)


Schakelt de sabotage uitgang

Voorbeeld:

Als er achter elkaar kaarten worden aangeboden met verschillende keys zal de lezer blokeren.

```
File Edit View Terminal Help
[*] 192.168.0.197:3306 MYSQL - [56/72] - Trying username: 'ashishl' with password: '1212'
[*] 192.168.0.197:3306 MYSQL - [56/72] - failed to login as 'ashishl' with password: '1212'
[*] 192.168.0.197:3306 MYSQL - [57/72] - Trying username: 'ashishl' with password: '123321'
[*] 192.168.0.197:3306 MYSQL - [57/72] - failed to login as 'ashishl' with password: '123321'
[*] 192.168.0.197:3306 MYSQL - [58/72] - Trying username: 'ashishl' with password: 'hello'
[*] 192.168.0.197:3306 MYSQL - [58/72] - failed to login as 'ashishl' with password: 'hello'
[*] 192.168.0.197:3306 MYSQL - [59/72] - Trying username: 'gelowo' with password: '12121'
[*] 192.168.0.197:3306 MYSQL - [59/72] - failed to login as 'gelowo' with password: '12121'
[*] 192.168.0.197:3306 MYSQL - [60/72] - Trying username: 'gelowo' with password: 'asdad'
[*] 192.168.0.197:3306 MYSQL - [60/72] - failed to login as 'gelowo' with password: 'asdad'
[*] 192.168.0.197:3306 MYSQL - [61/72] - Trying username: 'gelowo' with password: 'asdasd'
[*] 192.168.0.197:3306 MYSQL - [61/72] - failed to login as 'gelowo' with password: 'asdasd'
[*] 192.168.0.197:3306 MYSQL - [62/72] - Trying username: 'gelowo' with password: 'asdas'
[*] 192.168.0.197:3306 MYSQL - [62/72] - failed to login as 'gelowo' with password: 'asdas'
[*] 192.168.0.197:3306 MYSQL - [63/72] - Trying username: 'gelowo' with password: '1212'
[*] 192.168.0.197:3306 MYSQL - [63/72] - failed to login as 'gelowo' with password: '1212'
[*] 192.168.0.197:3306 MYSQL - [64/72] - Trying username: 'gelowo' with password: '123321'
[*] 192.168.0.197:3306 MYSQL - [64/72] - failed to login as 'gelowo' with password: '123321'
[*] 192.168.0.197:3306 MYSQL - [65/72] - Trying username: 'gelowo' with password: 'hello'
[*] 192.168.0.197:3306 MYSQL - [65/72] - failed to login as 'gelowo' with password: 'hello'
[*] 192.168.0.197:3306 MYSQL - [66/72] - Trying username: 'root' with password: '12121'
[*] 192.168.0.197:3306 MYSQL - [66/72] - failed to login as 'root' with password: '12121'
[*] 192.168.0.197:3306 MYSQL - [67/72] - Trying username: 'root' with password: 'asdad'
[*] 192.168.0.197:3306 MYSQL - [67/72] - failed to login as 'root' with password: 'asdad'
[*] 192.168.0.197:3306 MYSQL - [68/72] - Trying username: 'root' with password: 'asdasd'
[*] 192.168.0.197:3306 MYSQL - [68/72] - failed to login as 'root' with password: 'asdasd'
[*] 192.168.0.197:3306 MYSQL - [69/72] - Trying username: 'root' with password: 'asdas'
[*] 192.168.0.197:3306 MYSQL - [69/72] - failed to login as 'root' with password: 'asdas'
[*] 192.168.0.197:3306 MYSQL - [70/72] - Trying username: 'root' with password: '1212'
[*] 192.168.0.197:3306 MYSQL - [70/72] - failed to login as 'root' with password: '1212'
[*] 192.168.0.197:3306 MYSQL - [71/72] - Trying username: 'root' with password: '123321'
[*] 192.168.0.197:3306 MYSQL - [71/72] - failed to login as 'root' with password: '123321'
[*] 192.168.0.197:3306 MYSQL - [72/72] - Trying username: 'root' with password: 'hello'
[*] 192.168.0.197:3306 - SUCCESSFUL LOGIN 'root' : 'hello'
```

Velocity Attack Detection

Type credentials	Frequentie	Uitvoeringen (credential Profile)			
		01	02	00	03
		€	€€	€€€	€€€€
		SEOS Profile	Smart Profile	Standard Profile	Custom Profile
SEOS	HF, NFC of BLE	•	•	•	•
SEOS Mobile	HF, NFC of BLE	•	•	•	•
iClass SE	HF		•	•	•
iClass SR	HF		•	•	•
iClass	HF		•	•	•
DESFire EV1/EV2 (SIO)	HF		•	•	•
Mifare Classic (SIO)	HF		•	•	•
Card Serial nummer	HF			•	•
HID Prox	LF			•	•
Axiom (AWID) Prox	LF			•	•
Indala	LF			•	•
EM4102	LF			•	•
Felicia	HF				•
CEPAS	HF				•
DESFire EV1/EV2 (Custom)	HF				•
Mifare Classic (Custom)	HF				•
3rd Party Credential (Other)	HF				•
Leverbaar in		Q2 2020?	Q2 2020?	Q1 2020	Q3 2020?

- 4 modellen, per model 4 uitvoeringen
- Totaal 32 uitvoeringen ??
- Standaard Profile (reeds beschikbaar)

Deze kunnen alleen het serienummer van een Mifare kaart lezen. Willen we op een veilige manier een Mifare kaart lezen dan kunnen we hierop een SIO (Secure Identity Object) plaatsen.

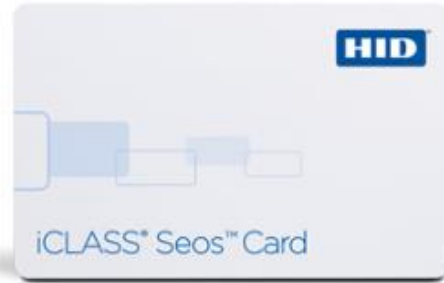
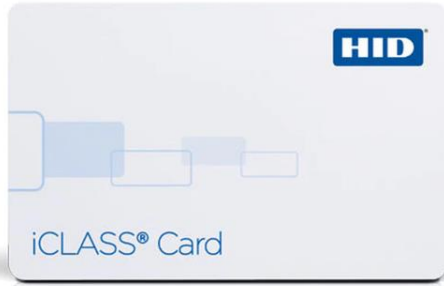


- Custom Profile (Q3 2020?)

Deze kan tevens Mifare Sector/Applicatie lezen.

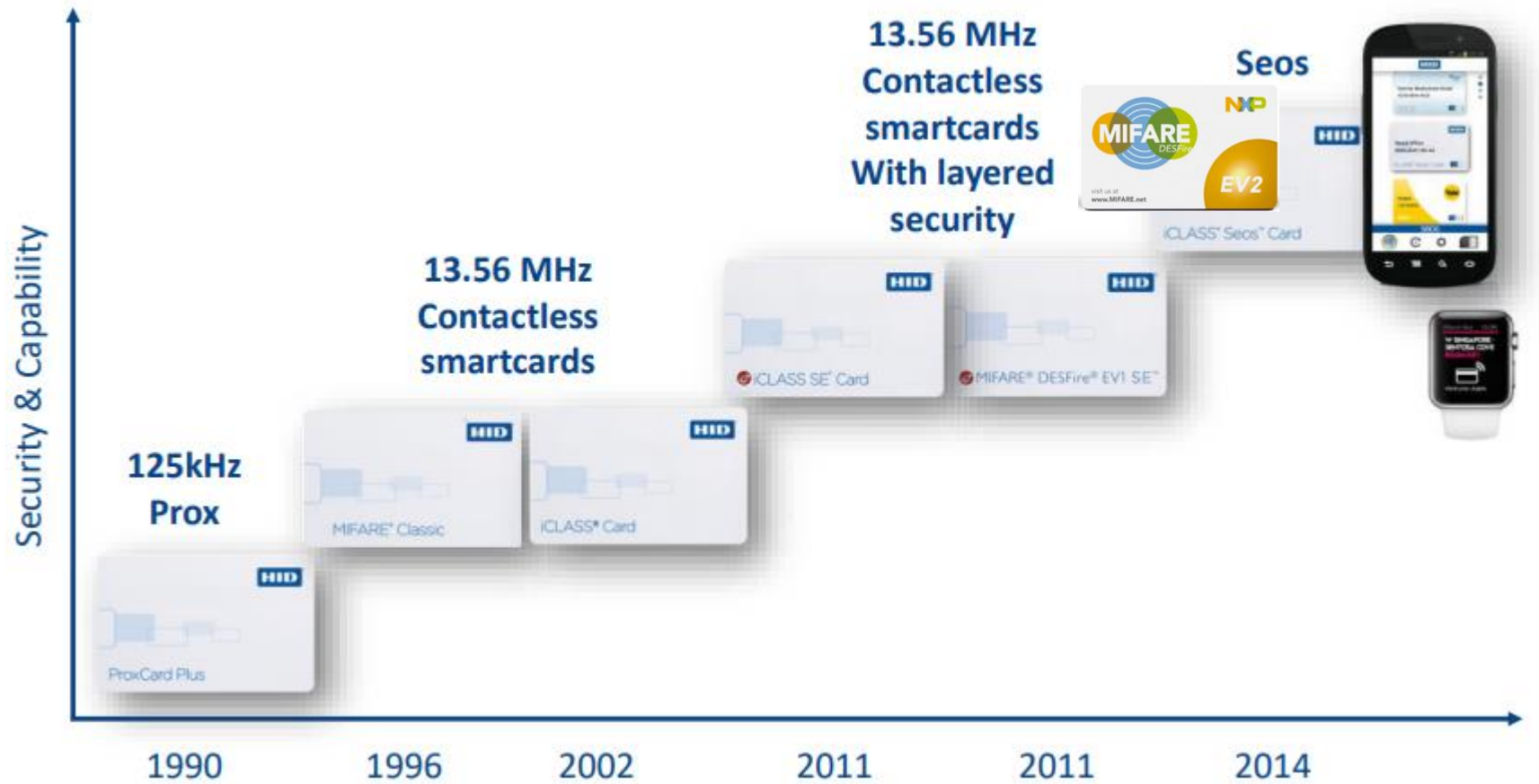
Beschikbare uitvoeringen

Type credentials	Frequentie	Merk	
		HID	NXP
SEOS mobile	NFC of BLE	•	
SEOS	HF	•	
iClass SE	HF	•	
iClass SR	HF	•	
iClass	HF	•	
HID Prox	LF	•	
Indala	LF	•	
Mifare 2GO	NFC of BLE		•
Mifare DESFire EV1/EV2	HF		•
Mifare DESFire	HF		•
Mifare Ultralight	HF		•
Mifare Plus	HF		•
Mifare Classic	HF		•
Ucode	HF		•
ICODE	HF		•
NTAG	HF		•
Hitag	LF		•



Veiligheid

Type credentials	Frequentie	Merk	
		HID	NXP
SEOS mobile	NFC of BLE	•	
SEOS	HF	•	
iClass SE	HF	•	
iClass SR	HF	•	
iClass	HF	•	
HID Prox	LF	•	
Indala	LF	•	
Mifare 2GO	NFC of BLE		•
Mifare DESFire EV1/EV2	HF		•
Mifare DESFire	HF		•
Mifare Ultralight	HF		•
Mifare Plus	HF		•
Mifare Classic	HF		•
Ucode	HF		•
ICODE	HF		•
NTAG	HF		•
Hitag	LF		•



Veiligheid

Example: 20TKS-00-000000

Reader Model	Wiring Connection	Body Color	Trim Color		Credential Profile		Configuration Option
20	T	K	S	-	00	-	000000

APS20-SP

APS40-SP

APS40K-SP

APS20K-SP

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

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

APS20T-SP

APS40T-SP

APS40KT-SP

APS20KT-SP

Artikelcodes

Example: 20TKS-00-000000

Reader Model	Wiring Connection	Body Color	Trim Color		Credential Profile		Configuration Option
20	T	K	S	-	00	-	000000

APS20**T**-SP

PROGSE-MF32

PROGSE-PROX

PROGSE-OSDP1

APS20**K****T**-SP

PROGSE-MF32

PROGSE-INDALA

PROGSE08BITPIN

APS40**T**-SP

PROGSE-MF32

PROGSE-EM40

APS20-SP

PROGSE-99008777

ARAS Artikelcodes met PROGSE smaakjes



SEOS



- Voor migratie projecten
- Lezers met verschillende leestechnologieën
- Combikaarten met meerdere leestechnologieën.



Migratie projecten

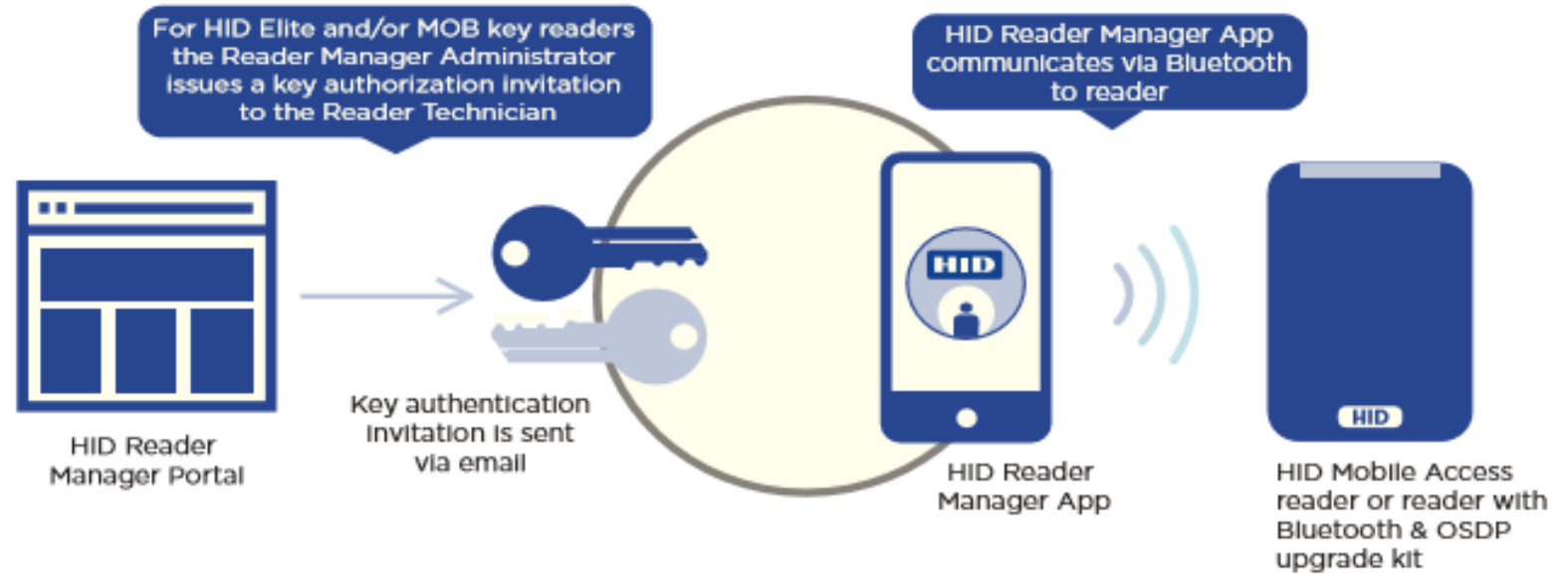
The screenshot shows a web browser window with the URL `portal.origo.hidglobal.com/mobile-identities/?qid=eyJzdGF0dXNDb2RlIjoyMDAsInNzb1N0YXR1cyI6ZmFsc2UsImVtYWIzSWQlOiJqYnVydG9uMTYwN08nbWFpb20iLCJtZXNzYWdlIjpbIlVzZXI...`. The page title is "HID Origo Management Portal". The main content area is titled "Dashboard" and contains a "Services" section with two cards:

- Mobile Identities**: Manage the administration mobile credential users.
- Reader Manager**: Manage reader key authorization as well as access to reader installation and configuration.

At the bottom of the page, there is a footer with the text: "© 2019 HID Global Corporation/ASSA ABLOY AB. All Rights Reserved | [Privacy Notice](#) | [Terms of Use](#) | [Service Status](#)" and "Version 8.18.0".

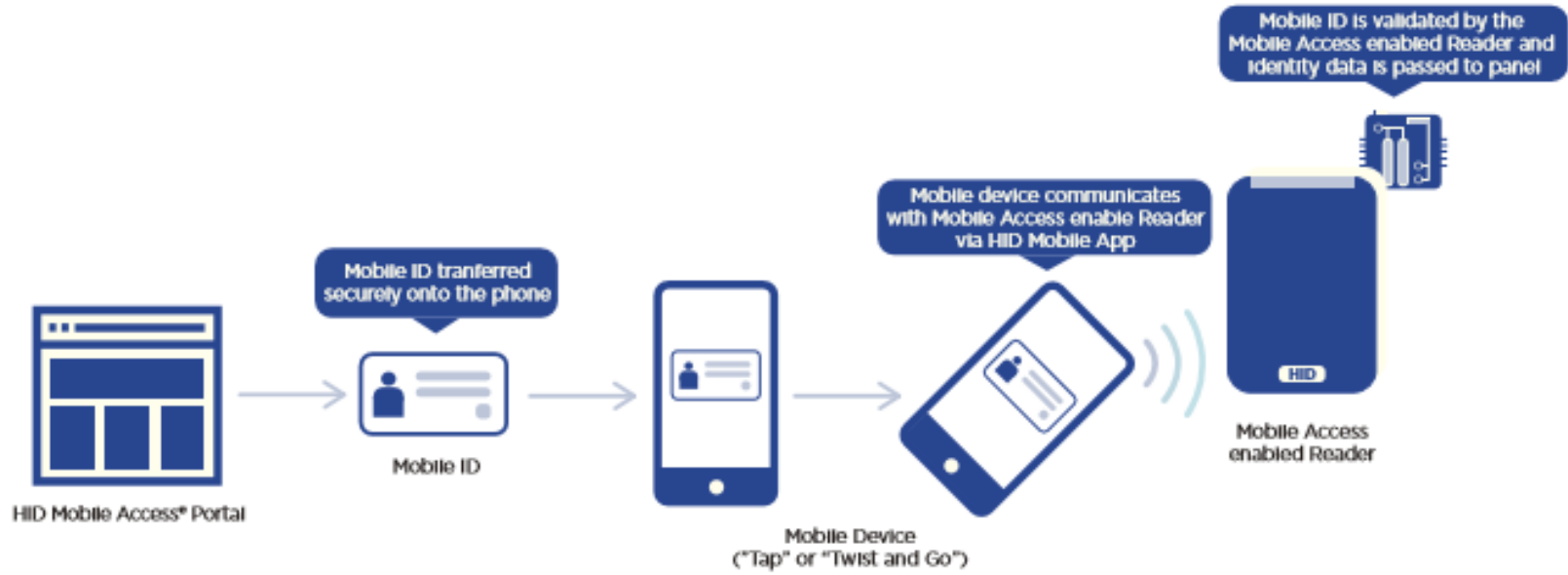


Origo Portal

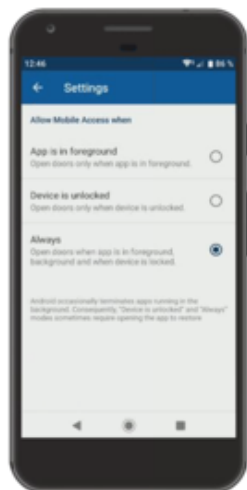


BLE & BLE Central Settings	Key Management (Hard & Mobile)	Apple Wallet Settings	IPM and Velocity Check	Auto Surface Detection	HF/LF Credential Enable/Disable	UID Outputs	Audio & Visual Settings	Keypad Settings
Configure Mobile Settings			Enable and Disable Features		Customise Readers			
Upgrade, Configure and Manage HID Signo Readers								

Configureren doe je met de Reader app



Mobile SEOS credentials verstuur je via de Origo Portal



Mobile SEOS credentials verstuur je via de Origo Portal



Mobile SEOS credentials verstuur je via de Origo Portal

- Zeer mooie lezers, zeer betrouwbaar en up te daten in het veld via de reader app
- Nu ook smalle lezer met PIN
- Slimme verbeteringen zoals opervlakte detective, IPM, iBeacon, Slechtiende mode, Hack detectie, ECP (Apple)
- SEOS druppels werken nu ook goed op het keypad.
- O.a. de verzonken terminal aansluiting is echt een verbetering
- Een nog beter leesbereik
- Bestelproces een stuk makkelijker
- Prijs?
- Nog even wachten op de Custom uitvoering met bijbehorende software die Mifare applicatie kan lezen
- Aperio draadloze beslagen werken wel met SEOS maar nog niet via Bluetooth, deze werken wel met EV2

Conclusie ARAS

- Deze presentatie staat vanaf morgen op onze support site. Op deze support site staat alle informatie over de Nieuwe HID Signo lezers.
- Indien er verder nog vragen zijn kunnen jullie mij altijd bellen op het algemene ARAS nummer 0416 320042 of mailen jeanpaul.vandaelen@aras.nl

Bedankt voor jullie tijd en aandacht



Al deze informatie is terug te vinden op onze support site