

*The Trusted Source for
Secure Identity Solutions*



Mobile Access for smart buildings

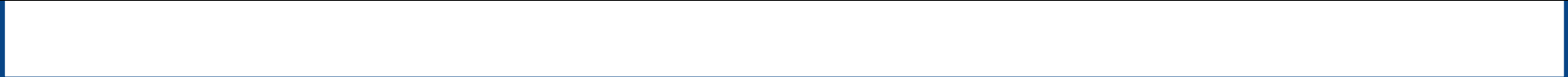
01 November 2018 – Friendly Buildings Conference

Our Mission

Who we are and what we do



HID Global powers the trusted identities of the world's people, places and things



Keys Today

Each use case is a discrete ecosystem of readers/locks/applications and access keys.

Key formats have been specific to the individual ecosystems.

RFID cards



Metal Keys



Passwords



Visual Documents

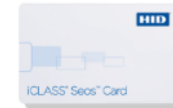


Infrastructure for Tomorrow's Keys

Keys will no longer be bespoke pieces of hardware, such as brass keys or dedicated plastic cards.

Instead there will be digital keys that can reside on a variety of smart devices – mobile phones, micro-processor cards, wearables.

Microprocessor cards



Smartphones



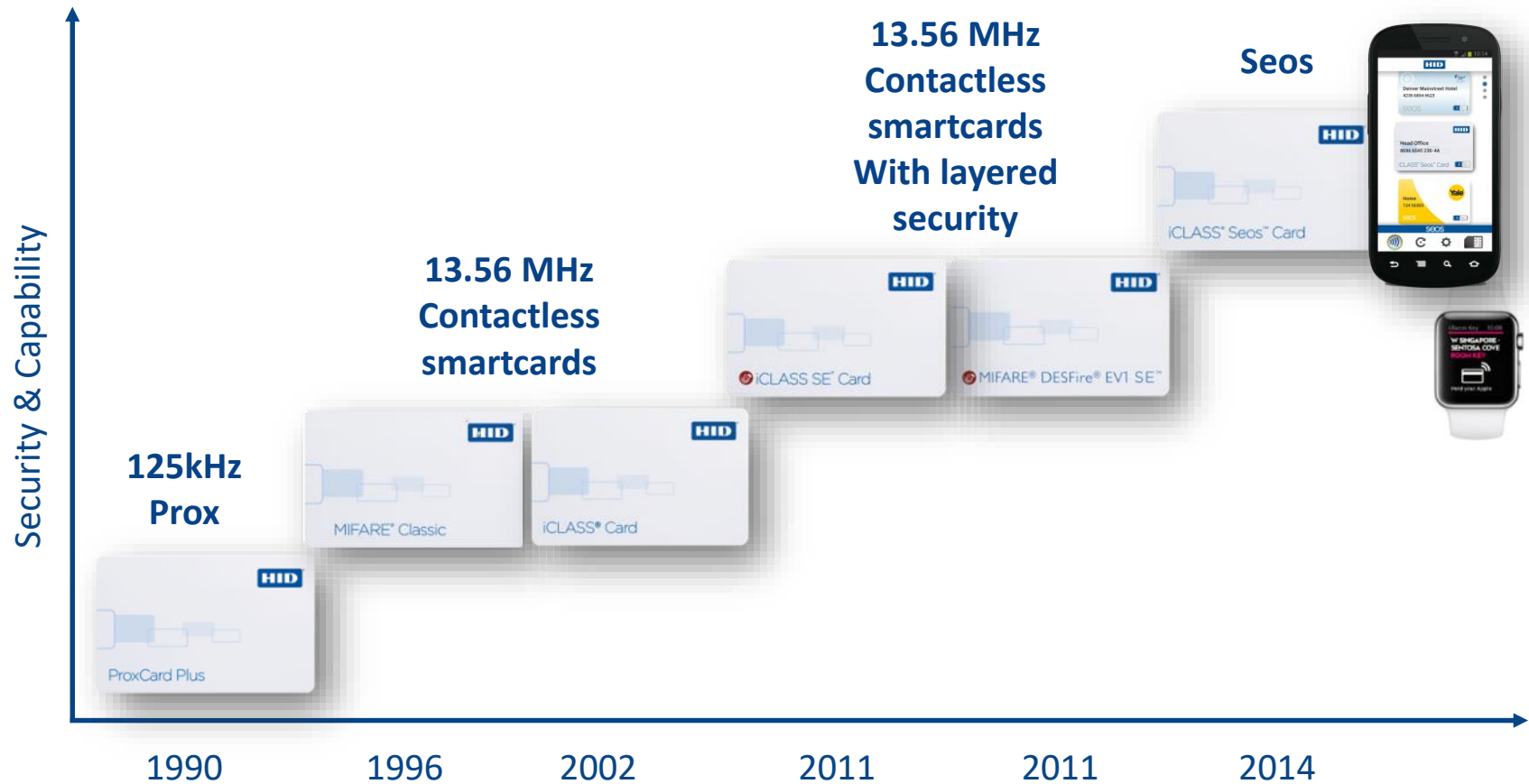
Wearables



Biometrics



The Credential Continuum



Known threats & vulnerabilities



125 khz card cloner

Wszystko

Zakupy

Grafika

Filmy

Wiadomości

Więcej

Ustawienia

Narzędzia

Okolo 130 000 wyników (0,33 s)

125KHz RFID Card | ISO10536(EM4100 Compatible)

www.stronglink-rfid.com/

Access control card blank & printed, @ USD0.19. RFID Tags. Mifare Cards. RFID Readers. Mifare Modules.

Mifare 1k @ \$0.46 · Ultralight @ \$0.32 · Mifare 4k card @ \$0.82 · DesFire EV1 @ \$1.25

Hack Your Access Control With This \$30 HID 125kHz Card Copier

<https://ipvm.com/reports/card-copier-test> · Tłumaczenie strony

1 maj 2017 - In our test, we copied multiple 125 kHz formats and tested them on multiple readers. While very cheap, the card copier did not malfunction or ...



The xEM 125khz EM + HID cloner/copier



How to duplicate a RFID tag 125KHz EM4100 RFID Copier Writer ...



Cart

Wishlist

News

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Home / News / NXP announces the discontinuation of Mifare Classic

NXP announces the discontinuation of Mifare Classic

May 28, 2015 4:22:02 PM CEST

NXP Semiconductors has announced that it will discontinue the production of RFID Mifare Classic 1K and 4K chips, that will be replaced by the more secure chips, Mifare Classic EV1.

In fact, since 2008 there have been known various security flaws of the CRYPTO1 cryptographic protocol used by Mifare Classic, to the extent that a malicious third party could be able to decrypt and clone the contents of these chips.



ID card handheld copier

package: 1pcs reader&writer

5pcs writeable keytag for clone

1pcs t5577 blank card for clone

1pcs em4305 blank card for clone



SEOS : Mobile Access – new trend in access control



Breakthrough Seos credential technology offers more:

- **More choice:** Freedom to choose the right mix of devices, platforms, communications protocols, operating systems and use cases to fit your needs
- **More applications:** empowers more applications onsite and on-the-go than ever
- **More confidence:** Instills confidence with best-in-class security and privacy protection



5.9 billion Smartphones in use by 2020, compared 2.6 billion in 2014.

GSMA Global Mobile Economy Report 2015

Product Awards

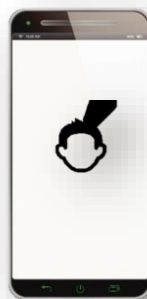
- HID Mobile Access won Trophées de la Sécurité 2015 award in the Category: 'Security and Mobility via Smartphones.'
- HID Mobile Access won SIA New Product Showcase Award at ISC West 2015
- HID Mobile Access Solution won 2014 ASIS Accolades Security's Best Award,
- HID Mobile Access Solution won 2014 Campus Safety Best Award

SEOS : Enabling your Freedom



More choice

- Hardware independent, allowing identification from smart cards, smartphones, tablets, wearables and beyond



SEOS : Enabling your Freedom

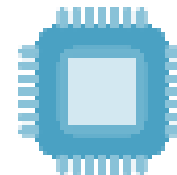


More choice

- Not tied to a specific communication standard, enabling use of ISO14443 RFID communication, NFC, Bluetooth and more



- Can be loaded to a wide variety of smart devices, including both the popular iOS and Android operating systems



SEOS : Enabling your Freedom



More choice

- Can be read by HID Global's readers as well as a growing number of devices from other manufacturers



- For your security with best-in-class security and privacy
- Based on proven, standard cryptography



Mobile Access – integration with third party applications based on API & SDK

Mobile Access: Cloud-based solution



1 Administration Panel

2 Mobile ID is transferred into phone over the air

3 "Tap" or "Twist & Go" via Mobile App (no pairing needed)

4 iCLASS SE Reader sends credential data to panel

“Tap” and “Twist and Go” Mode

Tap for close range



Tap-in



Combined security



Meeting zones



Turnstiles

Twist and Go for longer range



Garages



Entry gates



Warehouses



Loading bays

Mobile Access is Rolled out Globally

2000+

End Customer
Organizations

IN 70
Countries



August 2018



Looks nice for access control, but
**what about different
applications?!**

