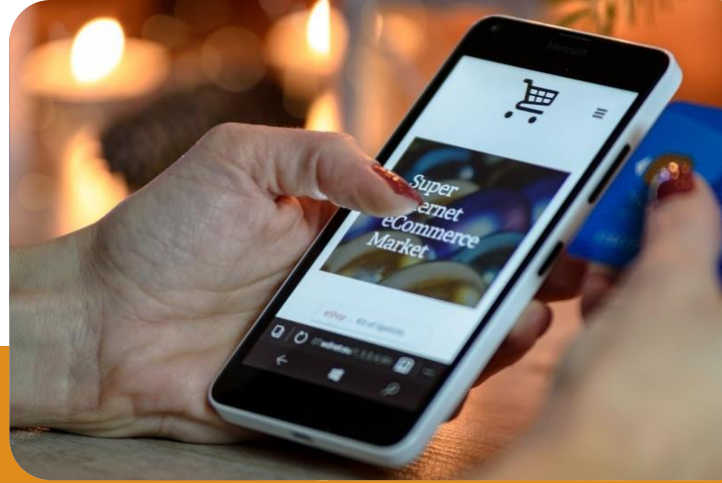


SWIPE'N TRUST

EASY CONNECT, SECURE AUTHENTICATE
APPLICATION FOR PEOPLE



Automatically and Securely connect to

Web Service using mobile NFC-device and Swipe'n Trust contactless ICs



NFC

Innovate
in NFC



Android
iOS 11 & 12
Windows Phone



Secure
web service access



Enhance
User Experience



Protect goods
and people ID

Swipe'nTrust is a contactless Integrated Circuit **redefining people interaction with products, governments and companies**. This Secure NFC solution gives an automatic access to web services via mobile devices equipped with Near-Field-Communication (NFC) antenna.

By equipping smart cards or tags with **Swipe'n Trust NFC Forum Tag Type 4**, e-services, identity verification or sensitive contents can be accessed securely in simply swiping the card at the back of the phone. By adding AES cryptographic authentication, **Swipe'n Trust** brings traditional NFC technology to the next level.

This Secure NFC Integrated Circuit dynamically generates a **Crypto-ID**: a unique authentication message added to URL each time you swipe the tag. Parameters used to calculate the **Crypto-ID** enables:

- Smart card **authentication** based on AES-128 Cryptography
- Message **uniqueness verification** (One-Time URL)
- Direct **Chip-to-Web** connection

Besides those parameters, **Swipe'n Trust** offers **3-pass mutual authenticate**. It notably permits to verify proof-of-presence as well as reader authenticity.

MAIN FEATURES

- 7 bytes Unique Identifier (UID)
- Crypto-ID
 - One time (random)
 - Unforgeable
 - Based on AES-128 derived key
 - Dynamically computed
- Automatic incremental transaction counter
- Data integrity (MAC)
- Cloning protection

MAIN ADVANTAGES

- Web content access **exclusive** to object or advertisement **location**
- Create **unique experience** for each object
- Protect content you provide with object in **limiting re-usability of URL**
- Interact with each objects differently **using a single web portal**.
- Interact directly with user without a dedicated app or powered object
- Access directly a web service by swiping a NFC enabled smartphone

USE CASES

Enterprise Security

Swipe'n Trust as **identification badge for physical access control** allows security guard to easily verify badge authenticity. In addition to AES cryptography based authentication, a visual identity check can be performed by guards in comparing individuals visage with screen displayed picture or a card printed optical cryptogram with image presented on NFC-smartphone. Protecting company premises, asking additional verification for restricted area access or displaying face picture linked to smartcard for each crowded area (stadium, events).

Swipe'n Trust as **identification badge for logical access control** also offers a secure mean of authentication to access company data for sales people or worker on-the-field. A simple swipe on tablet, smartphone or laptop equipped with NFC antenna allows companies to protect sensitive data access, avoiding a costly installation and complicated system maintenance.

Banking & Payment

Swipe'n Trust as **authentication card** enhances the mobile banking experience with 2-factor authentication using a bank card and a NFC-smartphone. Adding Swipe'n Trust Javacard applet to EMV banking smart card allows banks to offer a smooth and secure experience to mobile banking application users.

Swipe'n Trust secures **cashierless store experience** with customer authentication at entrance and picked-up products registration during shopping journey.

Swipe'n Trust as **mean of payment** allows fuel station to offer an attended or unattended NFC payment experience to their customers.

Government

Swipe'n Trust as **Police authority identification badge** fights against police impersonation targeting isolated and fragile citizens with authority identification using any NFC phone.

Besides MultiQ ICAO, Swipe'n Trust can be integrated in **e-Passport, e-National ID and Driving licence**. Government can authenticate the card and give an easy access to web services. The Secure NFC chip facilitates and extends the usage of governmental e-services for citizens in possession of NFC-smartphone.

Swipe'n Trust as **e-Health card** also permits to restrict access to sensitive information linked to a patient. In connecting with a NFC-device to social security platform, citizen can securely access all medical information from vaccination history to radiography.

Web-Service Access

Swipe'n Trust as **augmented loyalty card** transforms fidelity pass in augmented and innovative experience for customers. Secure NFC card allows customer to connect easily to web store services (such as food retailer online shopping) and identify to collect the goods at the physical store.

Swipe'n Trust as **customer connection label** enhances the client journey and offer added value during all product life cycle. Connect easily to member zone and access to exclusive content or discounts using a standard NFC-device.

With Swipe'n Trust, offer your customer a direct access to your product. In a simple swipe, **make a "one-click purchase"** of your favourite pizza or washing powder.

FUNCTIONAL DIAGRAM

