nanoSeal®

Authentic Consumer Engagement

WISeKey
Building Trust in the Connected World

IT'S NEVER BEEN SIMPLER TO INCREASE BRAND PROTECTION AND ENGAGE CONSUMERS IN A NEW AND EXCITING WAY.

1

Embed
Install a secure NFC tag on your products for supply chain authenticity tracking

2

Connect
Invite consumers to tap products with smartphone to start their experience

3

Engage
Your direct-to-consumer communication channel is now open and ready for business

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CREATE SECURE DIRECT-TO-CONSUMER EXPERIENCES

There are many threats to the makers of luxury goods, licensed sports apparel, spirits or other valuable products. Counterfeit goods rob them of legitimate profit. Tracking and tracing products through the supply chain is extremely complex and even if their authentic goods make it to their retail locations safe, they still need to engage the end-consumer to win their business.

WISeKey's NanoSealRT® helps brands defend their reputation and creates new avenues for connecting with their customers. This Near Field Communication (NFC) secure element allows any object to authenticate itself and communicate online through any NFC enabled smartphone. With innovative features such as a one-tap Android & iOS compatible authentication algorithm, tamper/opening detection and long-range radio communication, **WISeKey's NanoSealRT®** is able to improve goods traceability and enhance direct-to-consumer digital strategies.
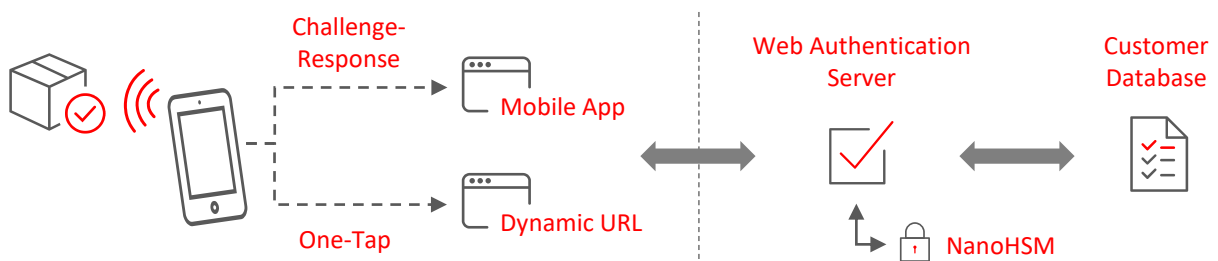
ONE-TAP AUTHENTICATION

WISeKey's patent-pending DYNA-S authentication protocol enables one-tap online verification of product authenticity through any Android & iOS NFC enabled smartphone without installing a mobile application. This compatibility gives brands the capability to directly reach the vast majority of their end-consumers and enhance the efficiency of their marketing communication.

ENRICHED INTERACTION

WISeKey's NanoSealRT comes with a long range (up to 1.5m) ISO15693/NFC compliant communication interface, offering an enhanced customer experience and reduced manufacturing constraints. Brands can also increase consumer confidence through features like the patented tamper detection mechanism that indicates whether a container has been opened.

KEY FEATURES

- One-tap online authentication through any NFC enabled Android & iOS phone without any app
- Long range (up to 1.5m) ISO15693/NFC communication interface
- Tamper detection
- WISeCrypt™ based digital authentication
- Authentication as a service (A3S)
- VaultiTrust™ data generation and insertion
- Optional ECC B-163 data signature
- 108-byte R/W user memory with configurable access control
- GDPR compliance with mute mode and maskable identifier
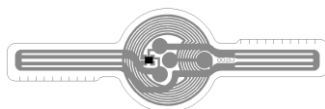- CapSeal® Disk and Top tags standard. Tailored tag form factors as a service.

SECURE PERSONALIZATION

WISeKey enhances the security and efficiency of any connected system by offering the provisioning of secure elements as a service. Once generated by **WISeKey** or its customers, personalization data are entered into **VaultiTrust** secure web portal. They can then be individually injected into the **NanoSealRT** either at wafer level or in tags enabling end-to-end tracking.

This is all managed in a Common Criteria EAL5+ and ISO27001 certified manufacturing environment.

CHOICE OF FORM FACTORS

CapSeal Disk and Top versatile tags are available as standard form factors. **WISeKey** can also work directly with brands to develop custom NFC tag and packaging design options through our global partner ecosystem.

CapSeal Top
with tamper detection

CapSeal Disk

WIS@key

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