



# Enhancing enterprise security

## Thales and Infineon's collaborative breakthrough for phishing-resistant FIDO authentication

In a strategic partnership with Infineon Technologies AG, Thales, a leading provider in passwordless authentication, has launched the **SafeNet eToken Fusion NFC PIV**. This innovative solution leverages Infineon's high-performance SLC3x security controller family providing a secured platform that seamlessly integrates advanced security, flexibility, and performance. Specifically designed to meet the stringent requirements of the global authentication market, the SafeNet eToken Fusion NFC PIV enables passwordless, phishing-resistant authentication across a wide range of devices.

### Unlock the potential of FIDO and PKI across all devices in your organization

The newly introduced SafeNet eToken Fusion NFC PIV serves as both, a FIDO security key, and a PIV Token, empowering organizations to adopt FIDO authentication for secured access to modern web applications while maintaining certificate-based authentication for legacy resources and operations such as digital signatures or file encryption. Its combined contact-based and contactless modes allow compatibility with a wide array of devices, including Windows desktops, Mac, and mobile devices, enhancing its widespread applicability and convenience.

## Comply with your market regulations by meeting the highest standards

The SafeNet eToken Fusion NFC PIV is designed to meet the stringent requirements of FIPS 140-3 and NIST guidelines, providing high-assurance strong authentication for secured environments. This compliance demonstrates the company's commitment to meeting stringent security standards, making the SafeNet eToken Fusion NFC PIV an ideal solution for deployment in security-critical environments.

To optimize security levels, performance, and functionality, Thales selected Infineon's SLC3x security controller family for its SafeNet eToken Fusion NFC PIV. This next-generation USB/NFC token platform integrates Infineon's security controller, which is certified to the security level CC EAL 6+ (high) and designed for various secured identification and authentication use cases. The selected dual-interface security controller platform features a high-performance, energy-efficient 32-bit ARM® SecurCore®



SC300™, supplemented with Infineon's highly flexible and reliable SOLID FLASH™ memory. This platform provides outstanding performance and flexibility for contact-based and contactless authentication, access, payment, ID, and ticketing applications, supporting the latest cryptographic requirements for enhanced security.

## Accelerate and secure your FIDO deployment thanks to powerful token configuration and administration capabilities

The SafeNet eToken Fusion NFC PIV offers advanced security features and is available in two editions.

The SafeNet eToken Fusion NFC PIV supports FIDO2 version CTAP 2.1 and provides comprehensive enterprise-grade features for secured key management:

- Definition of minimum PIN length
- Enforcement of user verification
- Forced PIN change
- PIN change and FIDO key reset
- Management of discoverable credentials

In addition, the SafeNet eToken Fusion NFC PIV Enterprise Edition takes security to the next level by incorporating Thales' innovative enterprise features.

These features, when combined with the appropriate middleware, enable organizations to securely and efficiently manage the FIDO security key throughout its entire lifecycle. This edition offers a range of additional benefits, including:

- Registration of the FIDO security key on behalf of users to multiple identity providers and web services
- Persistence of the minimum PIN length set up in the key throughout its lifecycle
- Listing of authorized applications accessible with the key by the end user
- Key unlocking in the event of a forgotten PIN, without requiring a full reset

These unique features make the SafeNet eToken Fusion NFC PIV Enterprise an ideal solution for large organizations seeking to accelerate their transition to passwordless authentication while enabling streamlined and efficient token management processes.

→ Learn more about Thales

→ Get in touch with Infineon

## A long-standing technical partnership for best-in-class security

“Thales and Infineon have a longstanding partnership to bring best of breed security to joint customers on the enterprise, government, banking, and the telecom market”, said Gregory Vigroux, Head of Product Management Authentication Devices at Thales. “Besides the new SafeNet eToken Fusion NFC PIV, Thales is using Infineon’s security controllers in a variety of security products and authenticators: the SafeNet PKI USB tokens and IDPrime smart cards, the FIDO eToken, Fusion and IDPrime FIDO series. The collaboration on the new generation of products marks an important milestone in bringing best-in-class security to joint customers.”

As the demand for secured authentication solutions continues to rise, the launch of the SafeNet eToken Fusion NFC PIV, powered by Infineon’s security controller, represents a significant advancement in addressing the evolving market needs. This collaborative effort is a crucial step towards delivering enhanced authentication solutions to the market, reflecting Thales’ and Infineon’s commitment to providing state-of-the-art security for modern enterprises and organizations.

### What is FIDO?

FIDO, which stands for Fast Identity Online, is an industry alliance dedicated to revolutionizing online authentication and reducing the reliance on passwords. The FIDO Alliance, a consortium of industry leaders including Thales and Infineon Technologies, has experienced tremendous success in its mission to establish open standards for stronger authentication.

One of its main objectives is to bring faster, easier, and more secured authentication to all industries. It also aims to establish passkeys that are both resistant to phishing and convenient to use as the industry standard for sign-ins to web platforms and applications across multiple user devices.

With widespread adoption across industries, FIDO has become a global benchmark for secured and convenient authentication methods. The alliance’s collaborative efforts have reshaped the cybersecurity landscape, driving innovation and empowering users worldwide.

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