SafeNet IDPrime 940C/3940C

Plug & Play Smart Cards

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Building a future we can all trust

As cybercriminals get smarter and more determined than ever, more and more businesses and government agencies are coming to the realization that single-factor authentication solutions using simple usernames and passwords are not enough. Thales, the world leader in digital security, offers an extensive portfolio of identity and access management including a wide range of multi-factor authentication methods.

SafeNet IDPrime smart cards are designed for PKI-based applications, and come with a SafeNet minidriver that offers perfect integration with native support for Microsoft® environments (through Windows 11), without any additional middleware.

Compatible with Any Environment

In addition to its seamless integration into Windows ecosystems, the **SafeNet IDPrime 940C** is a contact interface smart card and is compatible with any environment through support by the SafeNet Authentication Client.

The **SafeNet IDPrime 3940C** is a dual-interface smart card, allowing communication either via a contact interface or via a contactless ISO 14443 interface, also compatible with some NFC readers. It offers the same integration and compatibility features that the ones of SafeNet IDPrime 940C.

SafeNet IDPrime 940C and 3940C smart cards are secured with both RSA up to 4096 and elliptic curves algorithms, and address a range of use cases that require PKI security, including secure access, email encryption, secure data storage, digital signatures and secure online transactions for end users.

Strong Security

SafeNet IDPrime 940C and 3940C are CC EAL5+ / PP Java Card certified for the Java platform and CC EAL5+ / PP QSCD certified for the combination of Java platform and PKI applet.

Both smart cards are fully qualified according the eIDAS regulations for both eSignature and eSeal applications.

Optional Onboard Applets

SafeNet IDPrime cards are multi-application smart cards, meaning they can have optional onboard applets for various functions. An MPCOS applet can be added to provide both e-purse and data management services.

Benefits

- Perfect integration in Windows environment—Certified and distributed by Microsoft, the SafeNet minidriver ensures immediate integration with all Microsoft environments, plus Plug & Play service up to Windows 11.

- These cards are based on a 512KB Flash memory chip.

- Compatible with any environment—Supported by the SafeNet Authentication Client.

- Compliants with eIDAS regulations—Fully qualified according the eIDAS regulations for both eSignature and eSeal applications.

Technical Specifications

Product	SafeNet IDPrime 940C	SafeNet IDPrime 3940C
Memory	Based on a 512KB Flash memory chip. This card comes as standard with 20 key containers. The memory available for certificates and other applets and data in this standard configuration is at least 79 KB.	
Standards	• BaseCSP minidriver (SafeNet minidriver) • Global Platform 2.2.1 • Java Card 3.1.0 • ISO 7816	• BaseCSP minidriver (SafeNet minidriver) • Global Platform 2.2.1 • Java Card 3.1.0 • ISO 7816 • ISO 14443
Operating systems	Windows, MAC, Linux	
Cryptographic algorithms	• Hash: SHA-1, SHA-256, SHA-384, SHA-512. • RSA: up to RSA 4096 bits • RSA OAEP & RSA PSS • P-256 bits ECDSA, ECDH. P-384 & P-521 bits ECDSA, ECDH are available via a custom configuration • On-card asymmetric key pair generation (RSA up to 4096 bits & Elliptic curves up to 521 bits) • Symmetric: AES—For secure messaging and 3DES for Microsoft Challenge/Response only	
Communication protocols	T=0, T=1, PPS, with baud rate up to 446 Kbps at 3.57 MZ (TA1=97h)	• T=0, T=1, PPS, with baud rate up to 446 Kbps at 3.57 MZ (TA1=97h) • T=CL, ISO 14443 type A, with speed up to 848 Kbps
Other features	• Onboard PIN Policy • Multi-PIN support • SafeNet IDPrime family of cards can be customized (card body and programming) to fit customers' needs.	
Thales applets (optional)		
MPCOS	E-purse & secure data management application	
Chip characteristics		
Technology	Embedded crypto engine for symmetric and asymmetric cryptography	
Lifetime	• Minimum 500,000 write/erase cycles • Data retention for minimum 25 years	
Certification	CC EAL6+	
Security		
	• SafeNet IDPrime smart cards include multiple hardware and software countermeasures against various attacks: side channel attacks, invasive attacks, advanced fault attacks and other types of attacks. • Both cards are CC EAL5+ / PP Java Card certified for the Java platform and CC EAL5+ / PP QSCD certified for the combination of Java platform plus PKI applet, are eIDAS qualified for both eSignature and eSeal.	

About Thales

Today's businesses and governments depend on the cloud, data and software to deliver trusted digital services. That is why the most recognized brands and organizations around the world, rely on Thales to help them protect sensitive information and software wherever it is created, stored or accessed – from the cloud and data centers to devices and across networks. As the global leader in data security, identity & access management, and software licensing, our solutions enable organizations to move to the cloud securely, achieve compliance with confidence, create more value from their software and deliver seamless digital experiences for millions of consumers every day.

About OneWelcome Identity and Access Management Solutions

Thales's digital identity products and solutions empower billions of people and things with digital identities worldwide. The Thales OneWelcome Identity & Access Management portfolio enables organizations to build frictionless, trusted and secure digital journeys for customers, business partners and employees. The OneWelcome Identity Platform provides a variety of capabilities from identity verification, single sign-on, passwordless and multi-factor authentication to fraud management, adaptive access, dynamic authorization and consent & preference management for the highest levels of assurance.