



Eviden SCInterface eID

Secure and user-friendly eID middleware

Eviden SCInterface eID middleware is designed to facilitate secure access to keys, certificates, and personal data stored on an eID document. It streamlines the use of electronic signatures and certificate-based authentication, offering a seamless and intuitive user experience.

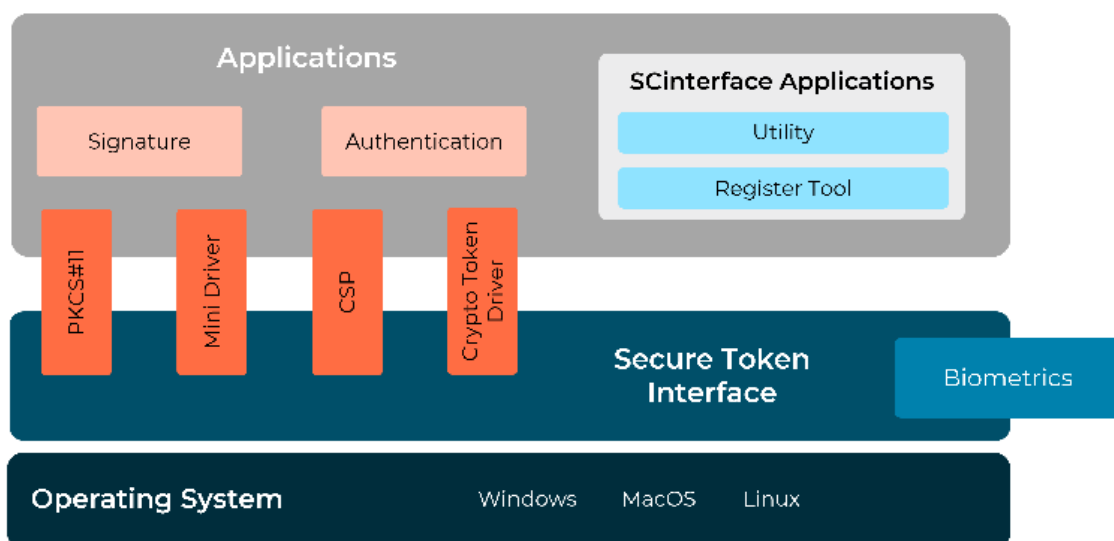
Electronic identity (eID) cards can only be used on a client with a middleware that connects the electronic document to the operating system and that enables secure communication between the card and the client applications. Middleware facilitates the use of electronic signatures and authentication based on digital certificates, which form the foundation of many secure transactions.

Eviden SCInterface eID is a state-of-the-art eID middleware developed by Eviden Digital Identity. SCInterface eID integrates seamlessly with eID cards and offers a user-friendly interface, customized profiles, easy localization, and secure contactless signatures via PACE (Password Authenticated Connection Establishment). It supports Eviden's own ePasslet Suite as well as over 100 third party card profiles on all major card operating systems and smartcard chips, including

native and Java Card-based solutions on NXP and Infineon hardware, amongst others.

With this support of over 100 combinations of cards, profiles, and operating systems, SCInterface eID is both versatile and future-proof. It simplifies the migration process by enabling a parallel use of both legacy and new eID cards, ensuring a smooth migration path to more secure and future-ready technology.

Furthermore, Eviden SCInterface eID features a biometric extension that enables match-on-card fingerprint verification as an alternative to PIN entry. This not only enhances user convenience but also strengthens data security. In addition, it ensures greater privacy and significantly reduces the risk of identity theft.



Eviden SCInterface eID is a modular solution compatible with all major PC operating systems and supporting a wide range of cryptographic interfaces.

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Biometric support

SCInterface eID offers fingerprint verification as a secure alternative to PIN entry for signing and authentication. Match-on-card functionality ensures that fingerprint data never leaves the card, significantly enhancing security by preventing unauthorized access and mitigating the risk of data breaches. By eliminating the need to remember or manage PINs, this feature also improves user convenience.

Key Features



Scalability and flexibility

Support of over 100 different chip types, card operating systems, and profiles. Available for Windows, macOS, and Linux



Crypto interfaces

Microsoft CSP and Minidriver (for Windows), Apple Crypto Token Driver (for macOS), PKCS#11 (for Linux derivatives, Windows, and macOS)



Standard compliance

ISO/IEC 19794-2, ISO/IEC 7816, Microsoft CryptoAPI, CNG, PACE (BSI TR-03110), macOS Crypto Token Driver, PC/SC, PKCS#10 for certificate requests, PKCS#11, PKCS#12 for key and certificate import, PKCS#15



Contactless operation

Support of the Password Authenticated Connection Establishment (PACE) protocol for secure and contactless card access



Biometrics support¹

Fingerprint verification with match-on-card functionality as PIN replacement

¹ We are also evaluating face recognition support

Supported use cases

SCInterface eID supports a wide range of applications:

- **Cardholder verification:** Secure authentication with PIN or biometric verification, KYC use cases
- **Web login:** Secure access to websites and eGovernment portals
- **Document encryption and digital signatures:** Legal compliance and authenticity by protecting and digitally signing documents
- **Single Sign-On (SSO):** Simplify access to multiple applications with a single login
- **Secure email communication:** Encrypted and signed emails

Who uses SCinterface eID?

SCinterface eID is an advanced eID middleware solution trusted by government agencies across Latin America, Europe, Africa, and beyond. It powers secure digital identity functions for identity cards and multi-purpose cards that support certificate-based authentication and digital signatures.

Partners



Infineon

Infineon Technologies AG is a world leader in semiconductor solutions, producing microcontrollers, power semiconductors, and automotive chips. The company focuses on innovation and sustainability, playing a key role in electric vehicles and IoT technologies. Infineon licenses Eviden's SCinterface eID middleware with support for Eviden's ePasslet Suite on SECORA ID X as well as for Infineon's own eSign application.



Mühlbauer

Founded in 1981, the Mühlbauer Group has ever since grown to be a leading player in the field of eID system personalization and integration. The partnership is built on a commitment to delivering secure, high-performance eID solutions based on Mühlbauer's technology and Eviden's eID application and PKI product range.

Standards and technical specifications

Platforms

- » Windows 11
- » Windows Server 2016, 2019, 2022
- » Linux: RHEL 8, 9; Ubuntu 24.04; SLED/SLES 15
- » macOS: Sonoma (14.7.2), Sequoia (15), Tahoe (26)

Readers

- » All PCSC 2.0 compliant readers (macOS, Unix/Linux needs „pcsc-lite“), recommended:
- » Identiv CLOUD 2700 F (not for macOS)
- » Identiv CLOUD 4700 F
- » Cherry SmartTerminal ST-2000 (Class2)
- » Identiv SCR3500
- » Identiv SCL3711

Formats

- » PKCS#10 for certificate requests
- » PKCS#11
- » PKCS#12 for key and certificate import
- » PKCS#15
- » ISO/IEC 7816
- » Microsoft CryptoAPI, CNG
- » macOS Crypto Token Driver
- » PC/SC

Biometrics (3rd party extractor packages)

- » id3 Technologies
- » NEUROtechnology

Find out more about us: www.eviden.com