

SafeSign Identity Client (IC)



BUILT FOR DIGITAL TRUST

SafeSign IC is part of AET Europe's Digital Trust portfolio — helping organizations protect sensitive data, prevent identity fraud, and enable secure digital transactions with confidence.

The all-in-one middleware for secure authentication, encryption & digital signing — on any device, anywhere

SafeSign IC enables employees, partners, and customers to log in securely, exchange encrypted data, and sign documents with legal validity from a desktop or thin client.

What makes SafeSign IC unique?

✓ STRONGER SECURITY

Two-factor logon, secure key handling (including safe import from HSMs), and standards-based interfaces (PKCS#11, CryptoAPI, Minidriver) work together to protect against identity theft, based on a robust PKI framework.

✓ WIDE COMPATIBILITY

Compatible with Windows, macOS, Linux, and leading thin-client environments like Citrix and Microsoft Remote Desktop.

✓ SEAMLESS USER EXPERIENCE

Single Sign-On to Microsoft, Adobe, VPN clients, email encryption, and more — reducing password fatigue and help-desk tickets.

✓ BROADEST DEVICE SUPPORT

Works with 100+ smart cards, USB tokens, microSD tokens, and card OSes from vendors such as NXP, Gemalto, Infineon and more — giving you true manufacturer independence.

✓ DIGITAL SOVEREIGNTY

You control your own cryptographic keys, ensuring that only you decide who accesses your data, services, and identity. Without access to the private keys, no third party (not even Google or Microsoft) can act on your behalf or read your encrypted information.

✓ PROVEN AT SCALE

Trusted by 25 million+ users worldwide across regulated industries where data integrity is mission-critical.

How it works

1.



Token (smart card, USB, microSD) holds the private key.

2.



SafeSign IC bridges the token to the OS or application via standard APIs.

3.



Applications & services (VPN, email, SSO, PKI, ERP) consume the credential for logon, encryption, or signing.

Detailed product description

The solution consists of the SafeSign IC PKI Applet, a Java Card applet running on a secure smart card operating system, which supports the Java Card and GlobalPlatform specifications and runs on a certified microcontroller.

The applet provides Public Key Infrastructure (PKI) functionality, including support for the PKCS#15 standard.

This applet forms the core of the **Common Criteria (CC) evaluation scope**. Within this scope, the applet has been independently evaluated and certified to meet the requirements for:

- a **Qualified Signature Creation Device (QSCD)** as defined under Article 29 of the eIDAS Regulation, and
- a **Qualified Seal Creation Device** in accordance with Article 39.

The solution ensures secure generation, storage, and use of private key material and qualified certificates — as required by the eIDAS framework.

In addition to the applet, the second key component of the solution is the SafeSign IC middleware, which is essential for enabling systems and applications to communicate with the smart card.

It ensures seamless integration and access to the PKI functionalities provided by the applet. Together, the applet and middleware form the complete SafeSign IC solution.

See SafeSign in action

For more information, please contact us at sales@aeteurope.com or call +31 26 365 33 50

◆ trust
accelerates
growth ◆