



AVENTRA
SIMPLY SECURE

OUR PRODUCTS
03 / 2026

MyEID PKI Smart Card

MyEID

Secure authentication and data security,
all in one compact package.

Introduction

Today, a significant share of critical data resides in the cloud, making strong authentication more important than ever. Usernames and passwords alone are no longer secure enough.

Without multi-factor authentication, a single successful phishing attack can compromise an entire system.

MyEID PKI Smart Card

MyEID is a secure and reliable solution designed for strong authentication and digital signing, suitable for individuals and IoT devices. A digital signature ensures the authenticity, integrity, and non-repudiation of information, as it generates indisputable proof of the signature or message transmission.

The smart card utilises Public Key Infrastructure (PKI) and operates in compliance with international standards, allowing seamless integration into our customers' existing systems when needed.

MyEID 5.0 is currently the only Nordic smart card that has received the renowned CC EAL4+ and eIDAS certifications.



Certified security

MyEID is CC EAL4+ and eIDAS certified, ensuring it meets the highest security standards.



International standards

The MyEID smart card complies with key international standards, ensuring its compatibility with systems and devices.



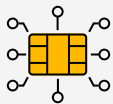
Strong authentication and login

MyEID is an efficient solution for strong two-factor authentication. It can be used for logging into workstations, websites, and other systems with high security requirements. It is also suitable for securing IoT devices.



Digital signing

The card can also be used for secure digital signing. A digital signature ensures the authenticity and integrity of the information.



Public Key Infrastructure

MyEID utilizes PKI (Public Key Infrastructure), a widely used and flexible method for managing electronic security.



Customized design

MyEID is available as a contact, hybrid, or dual-interface smart card, as well as in a SIM form factor. The card's design can be tailored to match your brand identity.

MyEID is currently the only Nordic smart card to earn the prestigious CC EAL4+ and eIDAS certifications. This ensures that we meet top-level security requirements both today and in the future.

Key features

MyEID keeps your private keys safe with advanced protection mechanisms. This makes it a secure solution for authentication, encryption and digital signing.

MyEID includes all the basic functionality of a Public Key Infrastructure (PKI) token specified in the most common international PKI standards, such as ISO 7816-15. The key features of MyEID are RSA and Elliptic Curve Cryptography, symmetric encryption with AES, advanced file system and command interface. MyEID supports the PIV command interface. When activated, the card appears as a PIV card. MyEID native interface and the PIV interface share the same data and file structure.

MyEID supports secure messaging as defined in the PIV Card Specification. PIN codes can be transmitted and private keys imported using a secure channel. Besides normal alphanumeric PIN codes, MyEID supports challenge/response PINs.

Java Card technology

MyEID is based on Java Card technology. The Java Card operating system runs on a security microcontroller designed for tamper-resistance and efficient execution of cryptographic algorithms. The MyEID applet, developed by Aventra, provides the interface for applications to use the cryptographic functions and implements a file system compliant with ISO 7816 standards.

Certified for Windows

MyEID PKI Smart Card and MyEID Minidriver have been certified by Microsoft as compatible with Windows 11. The minidriver is available in Windows Update and at Aventra's web site.

Card body

MyEID cards are available in two form factors: standard and SIM sized. The card material is PVC, making it suitable for visual personalisation using thermal transfer or dye sublimation printers. Other materials are available on request. Customer specific layouts can be delivered in offset and silk screen printing. Optional features include magnetic stripe, signature panel, holograms, security printing, etc.

Contact our experts for more
information about MyEID

Sales

Tel. +358 9 4251 1251
sales@aventra.fi