

# ID06 Standard: Product sheet

## About

The ID06 LoA 2 card is an identity and access smart card with a contactless interface RFID interface. The card is a trusted and secure identity credential for users that are registered in conformance with the European eIDAS Regulation with Level of Assurance *Substantial*, and technically based on the FIPS 201 standard. The card is personalized with identity and employer information for the individual to whom the card is issued to perform identity verification both by humans and automated systems. Humans can use the physical card for visual comparisons, whereas automated systems can use the electronically stored data on the card to conduct automated identity verification.

The ID06 LoA 2 card is designed for the various compliance tasks that users and organisations are mandated to perform under different national laws related to VAT obligations, social security and work safety legislation, and other regulatory requirements in a European cross-border context.

The ID06 LoA 2 card contains two certificates: (1) a card holder certificate for in-person identity verification and (2) a card authentication certificate that can be used to retrieve the User data from the backend and for physical access systems that support PKI authentication. Both certificates and outside the card contain a 4 byte UID (ISO 14443) for other use cases.

Contactless card readers shall conform to ISO/IEC 14443 standard for the card-to-reader interface and data transmitted over the ISO /IEC 14443 link shall conform to ISO/IEC 7816.

## Technology

### Elements

- ISO/IEC 7816 with ISO/IEC 14443A Contactless chip
- Java Card 3.0 Card Operating System (COS)
- Global Platform 2.1.1 (SCP 3) Key Manager
- PIV 800-73-4 part 2 compatible Java Card Applet
- RSA 2048 Key Pair on PIV - X.509 Certificate for PIV Authentication (9A Key)
- RSA 2048 Key Pair on PIV - X.509 Certificate for Card Authentication (9E Key)
- Cardholder Facial on PIV - SP800-76

### Applications

- PKI App: storing the Primary Credentials

## Key features

The ID06 LoA 2 card is an ideal fit for end-users and organizations looking for a multi-function smart card for identity verification and access solutions. The card supports, but is not limited to, the following features:

- Identity verification of companies and individuals with Level of Assurance *Substantial*
- Access Control of worksites
- Check-in and check-out of personal ledgers
- Access control of machines and vehicles (check that the right individual starts the machine / vehicle with the right authorization)
- Control of the individual's right to work in Sweden
- Control of education, qualifications and competences
- Start copiers, printers, and coffee makers etc.
- Use in staff dining room with connection to HR system
- Access control of vehicles
- Tailor made security solutions

