

PintarID™

Personalization



In the long battle against forgery, new ID documents are becoming more technologically enhanced and counterfeit-resistant. As a result of potential damage consequences (to public safety and public revenue) of counterfeiting ID documents, it is crucial for the issuing bodies to apply technologies that ensure producing authentic and forgery-resistant identity documents.

Such technologies including physical and electronic security features are to be deployed during the personalization process. Personalization refers to the process of printing, engraving, embossing, encoding and verifying data with the personal identifying details of the applicant. PintarID offers an integrated solution for ID document personalization suite that facilitates the processing and production of travel documents, smart cards and certificates.

Key Features



Demographic printing of data, photo, signature, including optical machine-readable labels i.e. MRZ, barcodes and QR Code



Security printing component during the personalization work



Chip encoding and decoding in storing demographic and biometric data



Digital certification to authenticate and implement multi-entities (public) accesses



Stock control integrated with Document Lifecycle Management Module that covers the entire lifecycle of a secure document



Facilitate tracking of application, document production status and history



Stringent documents quality assurance prior to dispatch

Benefits



PintarID Personalization is independent of security printer and devices, allowing clients to select technologies that best suit their requirements



Although PintarID Personalization is an standalone module, it is seamlessly integrated with other Identity Management functions, covering the entire End to End process of ID issuance



Solution adaptable to different distribution schemes



Active partnership with local players to ensure highest service availability, business continuity and long term support



Flexible business models to ensure total cost of ownership adheres to the client's budget

Distribution Schemes

PintarID Personalization suite is designed based on a flexible architecture that adapts to various distribution schemes which is selected based on available infrastructure, budget and clients preferences :

- ✓ Centralized with single headquarter
- ✓ Semi centralized with a few primary sites
- ✓ Decentralized with a primary site and multiple distributed sites

Standards

Smart Card

- ISO 7816 Parts 1, 2, 3, 4, 8, and 9 (Contact mode)
- ISO 14443 Type A and B protocol (Contactless mode)
- DES/3DES/AES-128/AES-192/AES-256/RSA (up to 4,096 bits)
- SHA-1, SHA-256 hashing algorithm
- FIPS140-2 compatible

Electronic Passport

- ICAO Doc 9303
- ISO/IEC standard for BAC-EAC, and AA
- HSMFIPS140-2 Level 3 Certified
- ISO/IEC 1794 for fingerprint and facial

Document Personalization & Issuance System Flow

Production Manager

Adjustable to various distribution scheme, volume and processing method, the Production Manager handles data preparation, batch processing, sorting orders and overall operations management.

Key Manager

Generates keys, requests certificates from the Certification Authority and handles data encryption.

Stock Control

Enabling 100% tracking and traceability throughout the process, Stock Control manages the secure documents stock from virgin to personalized documents including the reworks and rejected documents.

Device Manager

Independent from the manufacturers, this module manages visual and electronic personalization.

Quality Control

Each personalized document goes through a stringent quality control process where both visual and electronic aspects are checked.

Secure Dispatch

Depending on the distribution scheme, the dispatch process differs. However, at the distribution centre there will be one-to-one verification against applicant's biometric and biographic data.

