

DERMALOG

Biometric ID Cards

Unmatched security for
identity documents





DERMALOG ID Cards – Multi-Biometric Solutions Made in Germany

Maximum document security for a wide range of applications

DERMALOG provides multi-purpose biometric ID cards for government and commercial applications, such as civil servant ID cards, health cards, driver's licenses, or seafarers' cards. Several countries rely on DERMALOG's solutions for registering foreign workers to issue biometric permanent residence cards. DERMALOG has a track record of successful implementations worldwide, all tailored to individual customer requirements.

DERMALOG – the pioneer for multi-purpose biometric national IDs

DERMALOG has successfully delivered enrollment systems, central AFIS/ABIS databases and biometric ID cards to numerous national registration authorities. The world's first multi-purpose biometric ID card was supplied by DERMALOG to the State of Brunei in 1998.

Single source for all components

DERMALOG also offers state-of-the-art hardware, such as document readers, chip and RFID card readers, 2D barcode readers and fingerprint scanners to meet specific application requirements.

Biometric Document Protection

DERMALOG ID cards have a wide range of features to meet individual requirements. The card chip can be configured with different encryption methods, such as RSA & DES encryption, private and public key and challenge response. Biometric features such as chip personalization, live fingerprint comparison, encrypted fingerprint, face and iris images (optionally chip or barcode) and additional database matching can also be integrated.

How DERMALOG ID cards are processed



Enrollment

A national ID card system supplied by DERMALOG involves a digital enrollment process. This includes capturing biometric data, which is supplemented by country-specific information. Relevant demographic and biometric data obtained from fingerprints, face and iris, a digital photo or signature can be captured and stored.

Single identity check

To prevent duplicate identities, the captured biometric data is checked against all database entries registered in the AFIS/ABIS system. A watch list check can also be implemented.

Personalization

Following initial identity verification, the biometric and demographic data is written onto the chip and the card. DERMALOG offers customized laser and inkjet systems for fast and durable personalization of ID documents.

Quality check

After personalization, a fully automated process ensures the quality of the cards. The data on the chip is checked and the data and security information on the card are verified using state-of-the-art vision technology.

Authentication

The biometric data stored on the card enables fast and accurate document authentication across various applications.

Available Security Features for DERMALOG ID Cards

In addition to biometric protection, DERMALOG ID cards can be enhanced with numerous optical and tactile security features that meet the latest security printing standards. The design of all features is fully customizable.

Design fully customizable

UV printing

UV printing secures documents by embedding invisible marks only detectable under UV light.

Transparent holograms

A hologram image can only be viewed from certain angles, making the information under the hologram visible.

Rainbow printing

Rainbow-printed patterns protect ID documents from counterfeiting attempts by copying, scanning or printing.

Relief embossing

Tactile elements in the form of individual characters can be embossed on the card as a security feature.

OVI

Optical variable ink (OVI), or color-shifting ink, displays different colors depending on the viewing angle.

Metallic ink

Metallic ink is anti-copy ink and contains metallic pigments that reflect the light, creating a metallic sheen.

Microprinting

Microprinting consists of printing characters at such a small scale that they can only be recognized by magnification.

MLI

A multiple laser image (MLI) consists of several initial images, each visible depending on the viewing angle.

Guilloche

Guilloche is a complex set of fine lines and patterns based on mathematical algorithms..



ID Cards for Multiple Purposes

Social Welfare Card

A cashless social welfare card facilitates access to government services and prevents applications for benefits under a false identity.

Civil Servant Card

DERMALOG's identity cards for civil servants are used with DERMALOG AFIS. This ensures the accurate identification of civil servants and prevents individuals from receiving multiple salaries.

Pensioner Card

Biometric ID cards provide pensioners and other beneficiaries with secure and reliable access to the services they are entitled to.

Drivers' License

Another application for biometric cards is driver's licenses and vehicle registration.

Seafarer's Card

DERMALOG has supplied complete systems for the biometric registration of seafarers, including seafarers' identity cards, e.g., those for Malaysia and Bangladesh. DERMALOG is one of the few ILO-certified companies able to print a biometric barcode that is readable in any international port.

Payment Card

Biometric payment cards provide a superior level of security for financial transactions. The solution ensures accurate verification and increases the card's protection against counterfeiting.

eID Card

DERMALOG has successfully supplied enrollment systems, central AFIS/ABIS databases and biometric ID cards to numerous national registration authorities.

Foreign Workers' Card

For the registration of foreign workers and the issuance of biometric permanent residence cards, several countries use DERMALOG's sophisticated solutions.

Health Insurance Card

DERMALOG has been a supplier of complete biometric health card systems. Customers include insurance companies and ministries of health.

Voter Registration Card

In some countries, citizens are required to register for a voter ID card to participate in elections at the city, county, state, or federal level.

Loyalty Card

Biometric loyalty cards speed up payment verification. They can also be used to grant privileges, such as access to airport lounges restricted to specific individuals.



* applications adapted to customers' requirements.

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