

DIGITAL WORLD CARD



NATIONAL ID CARD

Automating and securing the identification process

Governments are responsible of reliably identifying members of the population to ensure public safety, offer services, issue welfare benefits and control immigration. Smart national ID cards can engage all these issues, by storing, protecting and managing citizen identity credentials on a secure chip.

Need for stronger identification

As technology advances, Governments need new and stronger means of identification for their citizens. Traditional paper and conventional identification cards are no longer sufficient to ensure the correct identity of an individual. They can easily become subject to unauthorized reproduction and fraudulent use, resulting in illegal activity, uncollected fees and identity theft. Moreover, they do not enable secure use of e-Government services.

Smart national ID cards bring an answer to these security concerns, using the latest technology to deter counterfeiters. The card body, made from high durable plastic, incorporates advanced visual security features that reduce counterfeiting risks. Furthermore, the chip provides unmatched security to store personal information while protecting privacy, and also enables off-and online identification and digital signatures.

Longer life cycle

The chip in the smart national ID card also offers the opportunity to introduce new online Government services to a population, such as administrative paper requests, tax filing, electronic voting, etc. Manual data entry, redundant paperwork and related operations can be kept to minimum thanks to more automated processes, making better use of the resources available, which ultimately allows Governments to increase the quality of service to its people. Moreover, the smart national ID card's multi-application and post-issuance capabilities allow new applications to be deployed at a later stage, reducing the hurdle to roll out a new program, and the cost of re-issuing ID cards.

Privacy protection

With smart national ID cards, citizens have full control of their data, which are protected by a unique PIN and/or the owner's biometrics (e.g. Fingerprint, iris). Access to identity data is restricted to authorized Government employees (e.g. police, administration), so that online services can be used in confidence. Moreover, all the ID card information does not need to be revealed every time. A smart ID card will show the cardholder's name and address to police officer, while to a retail shop owner selling alcohol or tobacco, it will only present the age.



Card Readers come in various formats for ease of use.

DIGITAL WORLD CARD



NATIONAL ID CARD

Wide array of functions

Several technological options are available for smart national ID cards, depending on the scope of the application. Two main types of interfaces to the card reading equipment are available: contactless cards work for ID verification by police forces using mobile equipment, but contact cards are required for web-based Government services. Both technologies can be embedded in a single card body. A smart national ID card can also be a component of a Public Key Infrastructure (PKI), enabling strong authentication and digital signatures, which are essential for e-Government services. Biometrics recognition can add an extra layer of security, and becomes important for demanding applications such as immigration.

Complete ID infrastructure

A smart national ID card scheme is more than just cards. It is a complete infrastructure: from enrollment of citizens, to card issuance and management of applications after the card is in operation. This requires cards, readers, front and back-end systems, consulting, and support services to ensure a seamless and successful deployment.

Helping our customers succeed

DWC works as a global provider of smart card solutions, Through GEMPLUS technology who have deployed several national ID schemes worldwide, (Oman, UAE, Singapore). Programs also delivered- smart card-based solutions for drivers license, vehicle registration, border control, Healthcare, Social Welfare etc.

DWC, delivers an end-to-end solution based on global standards such as Java Card, Global Platform, Common Criteria, ISO14443 and FIPS. Our main technology supplier is strongly involved in standardization efforts, such as the International Civil Aviation Organization (ICAO) for the electronic passport, and the European Union's Identification, Authentication and Signature (IAS) specification. "ResIDent" capitalizes on unrivaled experience and know-how to deliver solutions that meet the needs of Governments all over the world.

Enrollment Issuance
Certificate Authority Post-Issuance
Card Management
System

