

id-one™ Citizen Card

ID CARDS

ID-One™ Citizen Card, based on Oberthur Technologies' ID-One smart card range, is the essential brick to help governments face the new challenges of the electronic age: secure identification of citizens, digital identity and the ability to travel more easily.



The Identity market

Identity is unique and personal. Being able to identify their citizens in order to know their rights and provide them with services accordingly is a fundamental need of every government around the world. Identification of each citizen is considered as a major priority for authorities.


With its unique expertise in the field of security printing combined with innovative technologies that it has developed in recent years, Oberthur Technologies has taken pole position in this emerging segment.


Identifying individuals and protecting their identity, fighting fraud and offering new administration services, ID-One Citizen Card is an adaptable solution which can be customized to every customer's specific needs.


The benefits of implementing a national eID system are shared by everybody in terms of security, service and reliability:

- Governments: improve security to combat counterfeit public documents, deploy new eGovernment services, improve the quality of service, reduce operational costs and be closer to citizens.
- Citizens: The eID card reinforces security to prevent identity theft, provides security functions for multiple applications in both real and virtual world in one single card, allows reliable and convenient access to online and eGovernment services.
- Businesses: Electronic services like administrative procedures can be handled electronically in a secure manner, saving time and money by reducing paper handling and physical visits to government offices.

Citizen card benefits

 **Strong identification of citizens:** eNational ID introduces electronic features in addition to security printing techniques on the card body to prove the authenticity of the card.

 **Digital ID:** eNational ID provides citizens with a digital identity, thereby enabling eGovernment operations (for example, online tax declaration) as well as private uses (for example, eCommerce, secure email).

 **Travel documents:** eNational ID can be used as a travel document in certain countries.



Oberthur Technologies offer

ID-One Citizen Card features:

Embedded cryptography

- DES, 3DES
- AES 128, 192, 256 bits
- RSA up to 2048 bits
- Elliptic curves GF(p) 161 > 384 bits
- RSA & ECC key generation onboard or off-board in Oberthur Technologies personalization centers
- SHA-1, SHA-256, SHA-384

Memory capacity

- Up to 128Kb

Main implemented functions

- Electronic qualified signature
- Authentication (user, role, device)
- Identification
- Encryption/decryption
- Data storage
- Biometry, Match-on-Card

Security evaluations

- The ID-One Citizen range includes products based on Java Card™ certified Common Criteria EAL4+/EAL5+ according to the Secure Signature Creation Device protection profile.
- The ID-One Citizen range also includes products certified FIPS 140-2 level 3 to meet government security standards.

Physical features

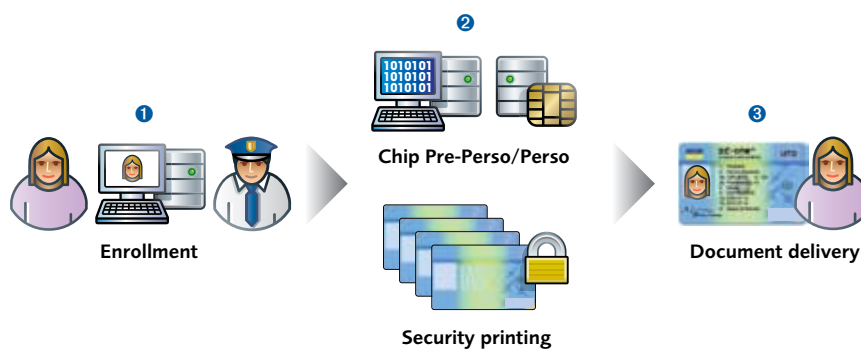
- ID-One Citizen Card employs tamper-proof printing methods on the card body to prove its authenticity. These methods include: guilloche pattern, rainbow printing, microtext/micro-lines printing, relief design (medallion), ultraviolet printing (UV), optical variable ink (OVI), hologram, antiphotocopy grill, embossing.
- As an option, ID-One Citizen Card also supports biometry in order to establish a link between a citizen and his ID card. Biometry consists in using a citizen's physical characteristics (fingerprint, iris image, etc) to prove his identity.

Long-lasting plastics

- A typical ID-One card body is based on special plastics such as Polyethylene Terephthalate (PET) or Polycarbonate (PC), both of which are highly resistant and durable, and support security printing and personalization.
- More complex plastic assemblages for ID-One card bodies can include multiple layers of different materials, films and specific surface treatments, in order to achieve special visual effects or an even higher level of security.
- Oberthur Technologies has a complete range of products, solutions & services.

Standards compliancy

- ID-One Citizen is compliant with major standards such as ISO 7816, IAS v1.01 Premium, IAS-ECC, E-Sign, PKCS#15, European Citizen Card, ICAO LDS-BAC & EAC.



Oberthur Technologies' in-depth expertise of card development, manufacturing and personalization, and the installation of complete systems for passport data collection management makes it the best partner for governmental ID projects. On project basis, Oberthur Technologies is able to propose a turnkey solution.

- ① Secure enrollment of each citizen with their private data (fingerprint, photo, signature, personal data);
- ② Personalization (electronic and graphic) of ID documents; Oberthur Technologies is able to deploy a full data management system, ranging from enrollment and issuance stations up to a complete perso center in any country;
- ③ Delivery of the document to the citizen. All the procedures to guarantee security and identity can be carried out (for example, biometry verification, PIN code verification).