

e-Visa



ELECTRONIA



e - V I S A

In a more congested and dangerous world, the need to enhance the security of travel documents persists more than ever, to reduce document fraud and to prevent documents from being used by fraudsters. A continued growth in the number of business and general travellers necessitates state-of-the-art systems to enhance the security and speed of operation. The answer to the challenge of facilitating speedier passenger clearance without compromising security lies in the biometric enhancement of MRTDs, particularly machine readable e-VISA and other travel documents.

The e-VISA solution from ELECTRONIA covers all elements of personalization and issuance of secure VISA, such as enrollment, biometric data capture, work flow management, both physical and electronic personalization and quality assurance.

e-VISA solution reduces document fraud and prevents documents from being used by fraudsters, while conferring data security and privacy for the travellers. Changing of data in the chip after personalization, reading during passing by or listing of data transfer between chip and reader are prevented by cryptographic mechanisms. Our products and services will facilitate easier person identification as well as speedier passenger clearance at border control without compromising security.

Smart electronic VISA

Contactless chip card technology has emerged as the optimal solution for providing both physical and electronic identification of travellers in a reliable manner. The ability to store, protect and manage identity credentials, such as biometrics, picture ID, digital certificates etc., makes microprocessor chips an ideal platform for the secure application.

e-VISA solution provides a platform that enables secure and flexible management of traveller details on the chip, such as name, address, nationality, passport number, VISA type, expiry, history, etc., as well as a set of biometric data (fingerprint, etc) for strong authentication features.

Secure

Built based on secure contactless Smart card technology and using data encryption, the information in the card is protected. Incorporation of biometrics will provide a secure and positive authentication of the traveller. The information in the card is protected with secure read/write keys to prevent alteration and abuse.

Future proof

Based on a modular and open Smart card management system Architecture provides interoperability between multiple platforms, and also enables post- issuance functionalities in order to add, update or remove applications on an already issued e-VISA (e.g. Epurse, country specific applications).

Fast

Contactless Technology allows faster data transfer at a speed of upto 424Kb per second. ElSmart readers are based on state-of-the-art embedded microprocessor design to provide a faster communication speed between the e-VISA chip and the reader.

Multiple data carrier options

The e-VISA can be implemented either as a smart label of size 50mm x 50mm to stick to the Passport or issued in a ISO ID1 card. The reader and issuance system and the application are the same irrespective of the carrier format. For the ID1 card, card printers will be included as part of the Issuance system for physical personalization.



The E-Visa technology securely integrates a contactless chip into a smart sticker in accordance with International Civil Aviation Organization's (ICAO) recommendations.



Verifying personal information and VISA details

Integrated solution

Electronia possesses years of experience in the contactless Smart card technology and has been an innovator of multiple smart card based applications for Access Control, Loyalty, Attendance, Mass Transit, Business automation and card management. With these experience Electronia provides an integrated end to end solution for e-VISA from card issuance to verification Terminal and back end processing. This includes Card Management system, Card issuance Systems, Programming stations, Interface to diverse Database platforms, Indoor/Outdoor Reader Terminals, electronic Gates, Hand held Terminals, Biometric verification terminals, POS Terminals, seamless interfaces to customer applications, etc.