



THE SMART OPTION

Electronic Commerce Enabled by Smartcards

E Passports: Product Technical Note

Increased security for international travel is in the forefront of policy for many nations. One fundamental measure being adopted is that International Passports are "going electronic". Contactless smartcard technology is being embedded into the back covers of Passports.

Standard specifications for E Passports have been issued by the International Civil Aviation Organisation (ICAO). This initiative facilitates more stringent automated border controls based on electronically secured identity and biometrics. Ecebs' Multefile™ technology enables this complex high security functionality to be implemented with key benefits to customers.

Multefile-E Passports application software

A contactless smart card chip is laminated into the Passport's back cover.

Ecebs' ICAO compliant software runs on all popular Smartcard Operating Systems, specifically: MULTOS, Java Card or native O/S

Multefile-E Passport
Smart Card O/S
Silicon Chip



Features of Multefile-E Passports:

Supports Mandatory and Optional Logical Data Structures, Basic Access Control, Passive and Active Authentication. Optionally supports Extended Access Control.

Personalisation can be quickly and simply set up to meet specific requirements. The same personalisation approach can be used for different underlying operating system platforms.

Can be supplied within ROM or EEPROM with compact memory footprints.

Designed to meet stringent national Security Assurance requirements.



multe-file

Multefile™, Ecebs' core technology, brings smart card based applications within far easier reach and control for issuers.

Benefits of Multefile-E Passports

Multefile based E Passports:

- Enables multiple sourcing of underlying platforms to facilitate supply continuity.
- Allows for simple integration into production processes.
- Supports robust secure Personalisation for both centralised and distributed Passport issuance.
- Can be securely upgraded as the passport is issued for evolving market requirements without compromise.
- Cost effective with a fast time to market.

For more information, please contact:

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