A man in a dark blue pinstripe suit and glasses is standing at an airport kiosk, holding a yellow smart card to the reader. He is also holding a black suitcase. The background shows a busy airport terminal with other people and large windows.

SELP MultiApp Operating System

Versatile Platform solution for smart cards issuers

SELP R&D team created a multi-applicative Operating System, secure, versatile and cost efficient.

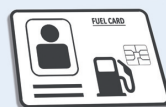
The Saeta Millenium smart card with Contactless functionality is a card with last generation microprocessor perfectly compliant with ISO standard and suitable for all types of applications.

The Saeta Millenium OS provides two possibilities: the capacity to store the identity of the card bearer and the functionality to manage an account with credit/debit operations.

This mix of ID and dynamic account is perfectly suitable for a large range of smart cards, which require the management of benefits.

SELP SOLUTIONS

SELP MultiApp Operating System



As such, Saeta Millenium OS has been very popular for corporate ID cards combining access control and eWallet, it was also chosen for fuel cards, health cards and for several transportation cards programs.

After the enrolment of the bearer and the personalization of the card, any information could be securely stored in the dynamic account.

SELP Solutions has developed a range of applications compatible with the Saeta Millenium Operating System and our R&D team is ready to develop new ones to match specific needs.

Saeta Millenium is a very useful and versatile Operating System with immense capabilities at a very low price.

Software features of the product

ROM Application

- Electronic purse
- Contact/Contactless Application
- General Purpose Application
- ISO 7816 File system

Cryptographic features

- 3DES

Protocol

- Contact ISO 7816 T=0
- Transfer rate 9.600 bit/s
- Contactless ISO 14443 Type B

Specification supported

- Electronic purse specifications
- ISO/IEC 1545
- ISO/IEC 7816 Version: V2.0
- ISO/IEC 14443 Type B

Electrical Characteristics

- Supply Voltage Range 3V and 5V
- Frequency Ranges (External clock) 1-5Mhz

Memory Sizes

- EEPROM from 4Kb to 64Kb

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SELP SOLUTIONS

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