Sm@rtCafé Expert 8.0

Veridos's Chip Operating System & eID Application

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Veridos's chip operating system, Sm@rtCafé Expert 8.0, is a powerful and flexible solution for all sorts of identity documents. It is based on a well-proven Veridos crypto library, which provides strong cryptographic security features to prohibit unauthorized access.

Sm@rtCafé Expert 8.0 has been designed with the highest security requirements in mind and supports the highest level of security certification in addition to the Common Criteria for ID documents, including the highest cryptographic security level: EAL 6+.

Sm@rtCafé Expert 8.0 is a complete product line of Java Card and Open Platform implementations, which comply with Oracle's Java Card Specification 3.1 and Global Platform Card Specification 2.3.1.

The family concept comprises the Veridos ePass Applet and the Applet Suite 4.0. While the ePass Applet is a compact, off-the-shelf-solution for standard government document applications, such as ePassports, eIDs, and electronic residence permits, the Applet Suite 4.0 goes even further. It's the ultimate combination of customization and convenience. With Applet Suite 4.0, you can combine typical ID applications with your individualized applets, giving you the freedom to create an eID solution that is truly unique to your requirements.

| BENEFITS AT A GLANCE

- **Cost-effective personalization**
  for all types of documents that run on the same OS

- **Flexible and easy integration**
  structure and content management – applets can be easily added

- **Highest security levels**
  state-of-the-art security features to prohibit unauthorized access

- **Family concept**
  for multiple kinds of identity documents

| VERIDOS'S eID APPLET OFFERING – THE RIGHT OPTION FOR YOUR REQUIREMENTS

Applet variants	ePass Applet	Applet Suite 4.0
Key features	open Java platform, compact, off-the-shelf-solution	flexible, interoperable, multiple purpose solution
Product description	solution for standard government document applications	high-end open Java Card™ platform that supports standard and individual requirements. It can also be used to develop multi-application solutions.
Typical use cases	ePassport, eID, EU electronic residence permit	driving license, EU electronic health insurance, EU electronic vehicle registration, customizable eID based on the eIDAS token specification, EU electronic residence permit

| KEY FEATURES

- Methodology: Java Card

- Security certification: CC EAL6+

- Personalization keys:
  card individual keys

- Specification Java Card spec 3.1 and Global Platform 2.3.1

- Interface:
  T=1, T=0 and T=CL Type A/B

- Asymmetric cryptography:
  RSA, RSA-CRT and ECC

- Symmetric cryptography:
  AES, TDES and SHA

- User space: Up to 220k

- Fingerprint matcher:
  NeuroTechnology (optional)

- Optional application:
  ICAO traveler application,
  eRP, eID, eDL, eVRc, ePKI,
  ISO Files system