



jTOP® ID



TELECOM

TRANSPORT & IDENTITY

BANKING

jTOP® CARDS

Performance & security for Java Card™ certified ID applications

Trusted Logic's jTOP® platform - designed to **serve the future e-Passport & Personal Identification markets**, with either pure contactless or dual-interface protocols - **provides high security and the best performances** to offer a truly flexible platform with its Java™ engine.

The jTOP® e-Passport and e-ID solution also provides the unique selling proposition to convince secure printers & governments to turn to the Java™ world. jTOP® e-Pass and e-ID is synonymous of high...

... Flexibility

- **Dynamic download**
Trusted Logic's jTOP® platform features the latest combination of standards, namely **Java Card™ 2.2.1 / Visa GlobalPlatform 2.1.1**. New applications may be downloaded post-issuance without jeopardizing the platform and application certificates.
With ICAO LDS loaded in ROM, the platform also addresses personal identification and e-Passport needs, **supporting both elliptic curves and RSA for EAC** (Extended Access Control).

... Security

- **Common Criteria EAL5+**
The jTOP® platform (reference JCLX80jTOP20ID) is now compliant with the Common Criteria evaluation EAL5+ level. Trusted Logic continues to pioneer the evaluation of Java Card™ open platforms, after a first CC EAL4+ certificate in December 2005 (Ref. DCSSI//2005-52).
- **Common Criteria EAL4+**
The LDS application loaded in ROM will be certified under the CC composition scheme at EAL4+ level, both for BAC (Basic Access Control) & EAC (Extended Access Control), by Q2 2009. These certificates will reinforce the penetration of JCLX80jTOP20ID in the Java Card™ e-Passport market, currently addressed by native solutions.

... Performance

- **Basic Access Control (BAC)**
The BAC mode consists of reading the picture stored on the e-Passport, encrypted with a DES key derived from the MRZ (Machine Readable Zone). With a 20Kbyte photograph, **jTOP® e-Passport performs the display in less than 3 seconds!**
- **Extended Access Control (EAC)**
The EAC mode adds highly secured performances to the Basic Access Control (BAC) by incorporating biometrics protection based on elliptic curve & RSA. Moreover, EAC makes it possible to add more sophisticated methods of citizen identification, such as **fingerprint and iris**. **jTOP® performs the photograph and fingerprint display typically in 10 seconds!**

To adopt jTOP® e-Pass & e-ID solution means to choose:

- A **Defensive Virtual Machine**
- Built-in **Integrity & Confidentiality**
- Dynamic ROMizing Capability
- On-Card **Debugger** (optional)
- High **performance** with LDS API
- CC **EAL5+ certified** solution



Transportation – Contactless application ready

Trusted Logic contributed to the development of the e-transit application program on a jTOP® architecture. The French transportation leader, RATP, is already benefiting from this solution by incorporating it into the Navigo system.

Edition : October 2008



© 2008 Trusted Logic S.A.
www.trusted-logic.com
All rights reserved
The names of companies & products mentioned herein may be the trademarks of their respective owners



