Cyberflex Access

The Java card
for information
security

axalto
your future in hand

Cyberflex Access
The Java card for information security

- Compliant with the latest Java Card™ and Open Platform specifications
- Built on the powerful and secure Cyberflex* engine
- Easily deployable into existing or new infrastructure

Data security and confidentiality are paramount concerns of the information age. With the advantages of the on-line world come challenges for protecting confidential information.
As business becomes increasingly global, corporations face unprecedented needs to protect data. Secure access to insecure networks, such as the Internet, becomes a primary requirement. Building consumer trust in the security and privacy of on-line financial transactions, and ensuring their non-repudiation, remains a major challenge to realizing the tremendous potential of electronic commerce. Cyberflex Access* unites the pioneering Java Card technology of Axalto with the Open Platform system architecture. The benefits of using an open, widely used language –Java™ – are amplified when integrated into a secure, flexible architecture specifically tailored to the IT community. Cyberflex Access offers a unique range of first FIPS 140-2 level 3 certified Java Cards, which in addition to high levels of cryptographic security ensures the physical security of the card itself. Now government agencies and corporations can combine on one card physical access systems along with logical access systems for obtaining user logon to Windows™ clients, providing secure e-mail and access to remote secure web services by using the digital credentials stored within Cyberflex Access.

Cyberflex Java Card technology

The award-winning Cyberflex card from Axalto brings Java's development and security benefits to the smart card platform, including:
- full compliance with the latest Java Card and Open Platform specifications
- secure multi-application and post-issuance support
- interoperability
- fast and secured transaction cycle
- powerful firewalls between applications
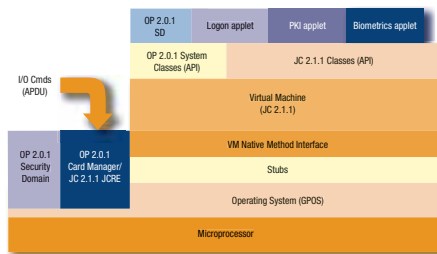
Post-issuance services

Post-issuance services must be offset by strict security controls for loading and personalizing card applets.
The Cyberflex Access loading mechanism includes state-of-the-art security features, such as:
- multi-stage update/load/install register for enhanced security
- secure channel for application dynamic loading and deletion, data update and card life cycle management

Development Kit

A comprehensive PC/SC based Software Development Kit is also available to allow developers to fully integrate Cyberflex Access into Windows operating systems and into standard desktop applications such as Internet Explorer™ (Crypto API) and Netscape Communicator™ (PKCS #11) for providing smart card enhanced secure e-mail and secure web site access.

Standards Compliance
- ISO 7816
- Java Card 2.1.1
- Open Platform 2.0.1'
- PKCS#11
- Crypto API

Certifications
- FIPS 140-2 level 3
- Java Card
- Entrust

Main features
- Multi-application capacity: 32K and 64K versions
- Global PIN capability & PIN sharing by application booklet
- Interoperability thanks to Java Card 2.1.1
- Single power supply from 2.7V to 5.5 V
- Temperature range from -25 to 75°C

Security
- Advanced crypto support: 3-DES, RSA, SHA-1, AES
- Encryption and signature support
- Delegated Management
- On-board key generation RSA up to 2048 bit
- State-of-the-art built-in security features
- Highly secured Cyberflex Java based engine
- Powerful applet firewalling

Card body
- Tamper-resistant card body
- PVC
- Embossable with overlay
- Magnetic stripe, hologram, and signature panel options available
- MiFare and HID options available

Readerless technology offered with e-gate* smart cards
- USB v1.1 compliant

Technical support
Comprehensive technical support and documentation available on the web at: www.cyberflex.com

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* Mark of Axalto

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