Advanced Card Systems Ltd.
Card & Reader Technologies

SMART CARDS & SMART CARD OPERATING SYSTEMS

ACOS3

Microprocessor Smart Card

The ACOS3 Series, a native operating system developed by ACS, enables a single card to support various applications. Featuring an easy to use file system, and security features, the ACOS3 is designed for highly secured applications including payment (e-Purse), identification, as well as loyalty applications.

Additionally, the security provided by ACOS3 may be further enhanced by utilizing the ACOS6-SAM. When used with the ACOS6-SAM, the security features of the ACOS3 for Mutual Authentication, Secure Messaging, Key Diversification and Key Injection are fully maximized.

The ACOS3 is available in Contact, Combi and Contactless Interfaces.

For more information, please contact info@acs.com.hk.

Smart Card Features

☑ **Contact Interface: T=0**
☑ **Contactless Interface: T=CL**
☑ **32 KB / 72 KB (Contact)**
   8KB (Combi/Contactless)
☑ **Anti-Tearing**

Cryptographic Capabilities

☑ **DES/3DES**
☑ **AES**
☑ **MAC**
☑ **Secure Messaging**
☑ **Random Number Generator**

Certifications / Compliance

☑ **ISO 7816 – 1/2/3 (T=0 Only)**
☑ **ISO 14443 – Type A Only**

Customization

☑ **Hi-co/Lo-co Magnetic Stripe**
☑ **Color Printing**
☑ **Signature Panel/Barcode**

Common Applications

e-Government
e-Healthcare
Access Control
Network Security
e-Purse & Loyalty

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