Advanced Card Systems Ltd.
Card & Reader Technologies

SMART CARDS & SMART CARD OPERATING SYSTEMS

ACOS6 - SAM
Secure Access Module

ACOS6S is a Security Access Module (SAM) specifically designed for use in mutual authentication, secure messaging and key diversification.

The SAM card securely stores cryptographic keys and uses these keys to inject keys or to compute cryptograms for other applications or smart cards. Both the master keys and diversified keys are securely stored in the card and never leave the card, enhancing the security of the system. These features ensure the ultimate security of a payment system such as e-Purse as well as Identification Systems.

The ACOS6-SAM works with client cards such as ACOS Smart Cards and MIFARE cards, including the latest DESFire cards.

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

Smart Card Features
- ☑ Contact Interface: T=0
- ☑ 64 KB Memory
- ☑ Anti-Tearing

Cryptographic Capabilities
- ☑ DES/3DES: 56/112/168-bits (ECB, CBC)
- ☑ AES: 128/192 bits (ECB, CBC)

Client Card Supported
- ☑ ACOS3
- ☑ ACOS6
- ☑ ACOS7
- ☑ ACOS10
- ☑ MIFARE Ultralight C
- ☑ MIFARE DESFire
- ☑ MIFARE DESFire EV1
- ☑ MIFARE DESFire EV2
- ☑ MIFARE DESFire Light
- ☑ MIFARE Plus

Certifications / Compliance
- ☑ ISO 7816 – 1/2/3/4 (T=0 Only)
- ☑ CC EAL5+ (chip level)

Customization
- ☑ SIM-Sized (Contact)
- ☑ PVC/PET/PC/ABS
- ☑ Hi-co/Lo-co Magnetic Stripe
- ☑ Color Printing
- ☑ Signature Panel/Barcode

Common Applications

Hardware Security Engine
e-Government
Banking & Payment
e-Healthcare
Network Security
Access Control
e-Purse & Loyalty
Transportation

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