



Advanced Card Systems Ltd.

Card & Reader Technologies

SMART CARDS & SMART CARD OPERATING SYSTEMS

ACOS5⁶⁴

FIPS 140-2 Level 3 - Certified Cryptographic Smart Card

The ACOS5-64 is a cryptographic smart card for public key infrastructure (PKI) applications. It is FIPS 140-2 Level 3-certified and fully compliant with ISO 7816 parts 1, 2, 3, 4, 8 and 9.

With its cryptographic capabilities, such as RSA, SHA, AES and 3K3DES, it enhances the security and performance of public key cryptographic operations in a Smart Card PKI Implementation.

Together with the middleware that ACS offers, the ACOS5-64 can be used with PKI applications running in different operating systems such as Windows®, Linux® and Mac OS®. For further details, please contact your ACS representative or email us at info@acs.com.hk.



Smart Card Features

- ✓ Contact Interface: T=0
- ✓ 64 KB Memory
- ✓ Anti-Tearing

Middleware Support

- ✓ PKCS#11
- ✓ MS CAPI/CNG
- ✓ MS Smart Card Minidriver

Cryptographic Capabilities

- ✓ RSA: up to 4096 bits
- ✓ DES/3DES: 56/112/168-bits (ECB, CBC)
- ✓ AES: 128/192/256 bits (ECB, CBC)
- ✓ Hash: SHA1, SHA256
- ✓ MAC: CBC-MAC (DES/3DES)
- ✓ Secure Messaging
- ✓ Mutual Authentication
- ✓ Random Number Generator

Certifications / Compliance

- ✓ ISO 7816 Parts 1-4, 8, 9
- ✓ Common Criteria EAL5+ Certified (Chip Level)
- ✓ FIPS 140-2 Level 3 Compliant

Customization

- ✓ PVC/PET/ABS
- ✓ Hi-co/Lo-co Magnetic Stripe
- ✓ Color Printing
- ✓ Signature Panel/Barcode

Common Applications

Public Key Infrastructure (PKI)
Digital Signature
e-Government
Network Security
Access Control

