

### HF | NFC - Cryptographic Smart Card ACS - ACOS5-EVO

- ISO/IEC 7816 Parts 1-4, 8, 9
- ISO/IEC 14443 Parts 1-4 Type A
- High-security certification and compliance
- Advanced cryptographic support
- Middleware support



### HF | NFC - Cryptographic Smart Card PKI and Digital Identity

The ACOS5-EVO from Advanced Card Systems Ltd. is a high-security cryptographic smart card designed for public key infrastructure and secure identity applications. Supporting both contact and contactless interfaces compliant with ISO/IEC 7816 and ISO/IEC 14443, the card provides flexible integration into modern authentication systems.

With advanced cryptographic capabilities including ECC, RSA up to 4096-bit and AES encryption, the ACOS5-EVO enables secure digital signatures, authentication and data protection. Certified to Common Criteria EAL5+ and compliant with FIPS 140-2 Level 3, the card meets strict international security requirements.

Its large memory capacity, secure messaging and middleware compatibility allow seamless deployment across enterprise, government and high-security environments requiring strong cryptographic protection.

### Common Applications

- Public Key Infrastructure (PKI)
- e-Government ID programs
- Transportation and ticketing
- Network and system authentication
- Physical and logical access control
- Blockchain and secure identity applications



## TECHNICAL SPECIFICATIONS

### Smart Card Features

Contact Interface	T=0, T=1
Contactless Interface	T=CL
Extended APDU, 192 KB Memory, Anti-Tearing	

### Middleware Support

PKCS#11, MS CAPI/CNG, MS Smart Card Minidriver
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### Customization

PVC/PET/ABS, Hi-co/Lo-co Magnetic Stripe, Color Printing, Signature Panel/Barcode
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### Cryptographic Capabilities

ECC: P-224/P-256/P-384/P-521 Customization
RSA: up to 4096 bits
DES/3DES: 56/112/168-bits (ECB, CBC)
AES: 128/192/256 bits (ECB, CBC)
Hash: SHA1, SHA224, SHA256, SHA384, SHA512
MAC: CMAC (3DES, AES), CBC-MAC (DES/3DES, AES)
Secure Messaging, Mutual Authentication, Random Number Generator

### Certifications / Compliance

ISO 7816 Parts 1-4, 8, 9, ISO 14443 Parts 1-4, Type A, Common Criteria EAL5+ Certified (Chip Level), FIPS 140-2 Level 3 Compliant
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