



SMART CARDS & SMART CARD OPERATING SYSTEMS

CryptoMate EVO

ACOS5-EVO Cryptographic USB Token with ECC & RSA Support

The CryptoMate EVO is a cryptographic USB token that contains the ACOS5-EVO module, a smart card that has ECC and RSA support. It is the latest addition to the CryptoMate Series.

Similar to its predecessor, the CryptoMate EVO is small and light, making it incredibly portable. Once it is inserted to a USB slot, the CryptoMate EVO uses a green LED to help users distinguish it easily.

ACS also offers the middleware needed to use the CryptoMate EVO in PKI applications such as digital signature, online login, and document and email encryption. For more information, contact your ACS representative or email us at info@acs.com.hk.



Smart Card Features

- ✓ Module: ACOS5-EVO
- ✓ Memory: 192 KB

Middleware Support

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

Cryptographic Capabilities

- ✓ ECC: P-224/P-256/P-384/P-521
- ✓ 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
- ✓ Common Criteria EAL5+ Certified (Chip Level)
- ✓ FIPS 140-2 Level 3-Compliant
- ✓ CE, FCC
- ✓ RoHS, REACH
- ✓ Microsoft® WHQL

Token Features

- ✓ LED Indicator: Green
- ✓ USB Interface: USB Type A
- ✓ Dimension: 29.25 mm (L) × 14.8 mm (W) × 10.28 mm (H)
- ✓ Weight: 4.61 g

Common Applications

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

