



SMART CARDS & SMART CARD OPERATING SYSTEMS

# CryptoMate Nano

## ACOS5-64 Cryptographic USB Token

The ACOS5-64 Cryptographic USB Token, also known as CryptoMate Nano, contains the FIPS 140-2 Level 3-certified ACOS5-64 v3.00 module, making it one of the most secured and portable cryptographic USB tokens in the market.

A small and portable cryptographic token, the CryptoMate Nano is designed to let users perform digital signature, email encryption, Windows® Logon, and other Public Key Infrastructure (PKI) applications.

Together with the middleware that ACS provides, the CryptoMate Nano can be used with PKI applications running in different operating systems such as Windows®, Linux® and Mac OS®.



### Smart Card Features

- ✓ Module: ACOS5-64 (FIPS 140-2 Level 3)
- ✓ Memory: 64 KB

### 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 (FIPS 140-2)

### Certifications / Compliance

- ✓ ISO 7816 Parts 1-4, 8, 9
- ✓ Common Criteria EAL5+ Certified (Chip Level)
- ✓ FIPS 140-2 Level 3-Certified (Module Level)
- ✓ CE, FCC
- ✓ RoHS, REACH
- ✓ Microsoft® WHQL

### Token Features

- ✓ LED Indicator: Blue
- ✓ 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

