

## OVERVIEW

- High-performance smart card chip with onboard digital signature and verification
- Compliant with ISO/IEC 7816-1, 2, 3, 4, 8, 9
- PKCS#15 compliant for seamless integration with OpenSC applications
- Standard Microsoft CryptoAPI and PKCS#11 support
- Store multiple key pairs with a user memory of up to 64 KB



**Dimensions:** ISO/IEC 7816-4 full size

## OPERATING INFO

### Supported OS

- Windows 2000/XP/Vista/7/8/8.1 x64/x86
- Windows Server 2003/2008 x64/x86
- Linux x64/x86
- Mac OS X
- Android/iOS

### Storage Temperatures

- -20 - 85°C

### Operating Temperatures

- 0 - 70°C

### Hardware Interface

- USB 2.0 Type A Connector

### Middleware

- Microsoft Windows MiniDriver
- HyperPKI CSP for Windows
- HyperPKI PKCS#11 library for Windows, Linux, and Mac

# SPECIFICATIONS

## PHYSICAL PARAMETERS

### User Memory

- 64 KB EEPROM

### Connectivity

- ISO/IEC 7816

### Data Retention

- More than 10 years

## CRYPTOGRAPHIC ALGORITHMS

### Asymmetric Key

- RSA 512/1024/2048-bit

### Symmetric Key

- DES/3DES
- AES 128/192/256-bit

### Digest

- SHA-1/SHA-256

## STANDARDS

### Digital Certificate

- x.509 v3 Certificate Storage
- SSL v3
- IPSec
- ISO/IEC 7815 1-4, 8, 9, 12
- CCID

### API Standards

- Microsoft CryptoAPI (CAPI)
- Cryptography API: Next Generation (CNG)
- Microsoft Smart Card MiniDriver
- PKCS#11
- PC/SC
- OpenSC

## CERTIFICATIONS

- CC EAL5+ (chip)