PKI Tokens

Authentication, Encryption and Digital Signatures

Hardware PKI Tokens

ePass2003 USB PKI Token

Description

The Feitian ePass2003 is a FIPS 140-2 Level 3 certified token providing secure storage of personal identity information, digital certificates and private keys for authentication, encryption and digital signatures. This industry-standard USB PKI token is highly regarded internationally.

Features

- USB connectivity
- Onboard key generation
- Onboard digital signing and verification
- Onboard data encryption and decryption
- Windows Logon support
- PKCS#15
- X.509 v3 Certificate Storage
- OpenSC compatible

PKI Smart Card

Description

Secure storage of personal identity information, digital certificates and private keys in a ID-1 sized card. Supports on-board encryption/decryption and digital signatures. NFC-enabled for contactless applications. Can be used with any of our smart card readers.

Features

- Contactless NFC operation (ISO/IEC 14443)
- Onboard key generation
- Onboard digital signing and verification
- Onboard data encryption and decryption
- Windows Logon support
- PKCS#15
- X.509 v3 Certificate Storage
- OpenSC compatible

ePass2003 USB PKI Token

Supported APIs & Protocols

- Microsoft CAPI, CNG
- Generic Identity Device Specification (GIDS)
- PKCS#11 v2.40
- Microsoft Smart Card Minidriver
- PC/SC, CCID
- SSL v3
- IPSec/IKE

Algorithms

- RSA 1024/2048 bit (RSAES-OEAP, RSASSA-PSS)
- ECDSA 192/256 bit (Optional)
- DES/3DES
- AES 128/192/256 bit
- SHA-1, SHA-2, MD5

Specification

- ISO-7816 compliant
- Memory: 64 KB
- 10 year+ data retention
- Operating temperature: 0 °C ~ 50 °C
- Storage temperature: -20 °C ~ 60 °C
- Humidity: 0 ~ 100 % RH

PKI Smart Card

Supported APIs & Protocols

- Microsoft CAPI, CNG
- Generic Identity Device Specification (GIDS)
- PKCS#11 v2.40
- Microsoft Smart Card Minidriver
- PC/SC, CCID
- SSL v3
- IPSec/IKE

Algorithms

- RSA 1024/2048 bit
- ECDSA 192/256 bit (Optional)
- DES/3DES
- AES 128/192/256 bit
- SHA-1, SHA-2, MD5

Specification

- Java Card 2.2.2
- Global Platform 2.1.1
- ISO-7816 compliant
- ISO/IEC 14443 compliant
- Chip: Infineon SLE77CLFX2400PM
- Operating voltage: 3 v/5 v
- Memory: 68 KB
- 500,000+ memory rewrites
- 10 year+ data retention

ePass2003 USB PKI Token	PKI Smart Card

OS Compatibility

- Windows PC/Laptop
- macOS
- Linux

OS Compatibility

The PKI Smart Card supports the following operating systems and requires a compatible reader

- Windows PC/Laptop
- macOS
- Linux
- iPhone
- iPad
- Windows tablet
- Android (contactless (NFC), or via compatible reader)

Certifications

- CC EAL 5+ (chip level)
- CE, FCC, RoHS compliant
- FIPS 140-2 Level 3 Certified
- ICP-Brasil Certified

Certifications

- CC EAL 5+ (chip level)
- CE, FCC, RoHS compliant

© 2025 Microcosm Ltd.