

FEITIAN
WE BUILD SECURITY



FEITIAN PKI Authentication Token

ePass2003 with FIPS 140-2 Certification

- ▶ Document Digital Signature
- ▶ Email Signature and Encryption
- ▶ Windows Smart Card Logon
- ▶ Remote VPN Access
- ▶ Secure Online Transaction
- ▶ Disk and File Encryption



FEITIAN ePass2003 is a high security PKI based USB token incorporating the most powerful cryptographic technology and standards available today. It is designed for all Public Key Infrastructure environments and brings two-factor cryptographic authentications to applications where security is critical. FIPS 140-2 validated card operating system and on-board key management mechanism enable a higher level of security assurance to a wide range of sensitive applications. With the combined compatibility of Microsoft Minidriver and OpenSC, the ePass2003 is compatible with applications running on Windows, Linux and Mac and therefore is the ideal choice for all industries requiring high level protection such as government, enterprise, financial institutions and media companies.

E-Government



The ePass2003 is a token of high standards. Compliant with FIPS 140-2 and Common Criteria EAL 5+ (chip level), ePass2003 is perfect for government solutions such as the declaring of taxes and judiciaries. In today's digital age where governments are moving towards a paperless workflow in order to reduce costs, help protect the environment and increase efficiency, the ePass2003 is the perfect replacement for written signatures.

Finance



In finance trust is king. In order to secure the finances of millions of customers around the world, using a token that boasts the highest security on the market is key. With RSA 2048-bit, AES 256 and SHA-2 high security algorithms the customer's online transfers can be secured. With support also for SSL connections, the industry standard in secure online connections, there is always a secure connection every time. The ePass2003 is flexible due to its large memory, which allows the token to store many certificates and therefore be used with multiple accounts and applications.

Enterprise



Corporations need not only keep networks secure but also digitally sign documents and emails. Instead of using several devices the ePass2003 does it all. The ePass2003 works with Microsoft Office for signing documents and also smart card logon and a range of VPN vendors such as CheckPoint VPN to ensure your network is safe and secure. With support for both CSP and PKCS#11 interfaces you can be sure that ePass2003 works with your application.

Publishing and Media



In the world of publishing and media, getting media delivered to customers securely is key in order to safeguard ROI. With support for Windows EFS, PGP and other major file encryption formats media can be distributed quickly and easily online and offline without worrying about copyright theft. The ePass2003 also supports all major Internet browsers such as Firefox, Chrome, Safari and Internet Explorer to ensure your media reaches the widest possible audience.

Technical Specification

Supported Operating Systems

- Windows 2000/XP/2003/Vista/2008/7
- Linux
- Mac OS X

Hardware Interface

- ISO 7816
- CCID

API Standards

- PKCS#11
- Cryptographic Service Provider (CSP)
- Microsoft Smart Card Minidriver (Card Module)

Certification

- FIPS 140-2 Level 2
- Common Criteria EAL 5+ (chip level)

Cryptographic Algorithm

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

Physical Parameters

- Memory Space : 64 KB
- Connectivity : USB 1.1/2.0 compliant
- Standards : CE, FCC, RoHS
- Data retention : at least 10 years

