# Perico AS

## Authentication USB Key
## Product Brochure

HIGH SECURITY PERFORMANCE * INCREDIBLE LOW COST * TRY EPASS FAMILY USB KEY * THE EARLIER YOU START * THE MORE YOU SAVE *

ePass

# Perico AS

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# About

## ❓What is ePass

- A sort of PKI based dual-factor authentication security devices, either with USB interface for PC host connection or with ISO7816 interface to communicate via Smart Card reader or ISO7816-12 USB Smart Card connector, providing strong authentication and identification, for networking logon, secure online transaction, digital data signature, sensitive data protection, and more.

The ePass family offers full-range-solution from cost-effective secure chip device to latest 32-bit high performance smart card chip device. The industrial innovative biometric USB key, user-interactive USB key with audio function or display function, USB Flash - PKI Combo, PKI - OTP Combo USB key are also available.

## ❓Where to use

- Anywhere in the world there is a strong authentication requirement for information security control, such as enterprise networking access control, VPN remote access, email encryption, sensitive data file exchange protection, single-sign-on, online banking, online shopping... No matter which PC OS you are using, no matter whatever you need, there is one kind of ePass solution right for you.

## ❓Why ePass

- Being an industrial leader and innovator in the field of information technology security applications and devices, Feitian Technologies, the provider of ePass, offered millions of ePass products to the market, and is currently the number one provider of USB Key devices to Chinese banking sector. With a strong technical team of hundred developers and support engineers, Feitian offers top-ranking ePass products and services to its valuable customers. We understand that customer requirements varies from filed to field, Feitian provides more flexible and fast-response customization services to satisfy different clients.

With the Attic faith of **offering customers with high performance products and services at the lowest cost**, our customers can always save a lot with ePass.

# content

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# ePass 2000

## Headline

high performance smart card chip
- onboard DES 3DES SHA-1 RSA
- onboard 1024-bit RSA key pair generation
- onboard digital signature, private key never exports
- onboard random number generator (RNG)
- global unique 64-bit hardware id
- up to 32K bytes secure memory
- standard USB 1.1/2.0 interfaced

driverless or plug-and-play devices available

full support of PKI applications
- PKCS #11 library and CSP ready
- support standard cryptographic APIs of MS CAPI and PKCS #11
- multiple key and certificate storage
- secure storage of X.509 v3 digital certificates
- works seamlessly with standard PKI systems

full OS solutions for Windows 98SE/Me/2000/XP/Vista
Windows Server 2003/Server 2008 Linux and MacOS
*( OS compatibility varies with individual models)*

| MODEL | MEMORY | FEATURES | MIDDLEWARE |
|---|---|---|---|
| ePass2000_FT11 | | Driverless for Windows98SE and Later Versions | ePassNG Multi-Platform Middleware for MS CSP & PKCS#11 v2.11 |
| ePass2000_FT12 | 32K | Standard PC/SC Driver Ready for Windows Smart Card Logon Windows Vista Certified | |
| ePass2001 | | Driverless for Windows98SE and Later versions | EnterSafe Shuttle High Speed Middleware for MS CSP & PKCS#11 v2.2 |
| ePass2000 Auto | | Driverless with Auto Run, Plug and Play for Windows 2000 and Later Versions | |
| ePass2000 Auto LE | 24K | | EnterSafe Shuttle Mini High Speed Middleware for MS CSP |
| ePass2000MD | 32K | Standard PC/SC Driver Ready for Windows Smart Card Logon Windows Vista Certified | MS SCM Minidriver Interfaced, Ready for Smart Card Based CSP, Support CNG,CLM and Vista EFS |

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# the flagship

## Sample Applications

### Internet Banking

web logon and identification

digital signature for online transactions

enhanced protection for e-shopping

### Enterprise

network logon and identification

sensitive data access control

VPN remote access control

enhanced protection for secure e-commerce

### Others

anywhere there is a PKI based authentication system

e-government online services

certificate-based email encryption

digital signature for documents

university stundent identification and access control

and more ...

## The flagship

there are millions of ePass2000 users worldwide, from banking to governmental sectors, from education organizations to enterprises, and many more wherever there is a PKI authenticaiton system...

ePass

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**the best performance 32-bit smart card inside USB key**

# ePass3000

## Headline

32-bit high performance smart card chip
    onboard RSA DES 3DES SHA-1 RSA
    onboard 1024-bit/2048-bit RSA key pair generation
    onboard digital signature, private key never exports
    onboard random number generator (RNG)
    global unique 64-bit hardware id
    up to 64K bytes secure memory
    standard USB 1.1/2.0 interfaced
driverless or plug-and-play devices available
full support of PKI applications
    PKCS #11 library and CSP ready
    support standard cryptographic APIs of MS CAPI and PKCS #11
    multiple key and certificate storage
    secure storage of X.509 v3 digital certificates
    works seamlessly with standard PKI systems
full OS solutions for Windows 98SE/Me/2000/XP/Vista/
    Server 2003/Server 2008  Linux and MacOS  ( *OS compatibility varies with individual models*)

*32-bit smartcard more powerful*

## Model

| MODEL | MEMORY | FEATURES | MIDDLEWARE |
|---|---|---|---|
| ePass3000 | | Standard PC/SC Driver Ready for Windows Smart Card Logon Windows Vista Certified | ePassNG Multi-Platform Middleware for MS CSP & PKCS#11 v2.11 |
| ePass3000ND | | Driverless for Windows98SE and Later Versions | |
| ePass3003 | 64K | | EnterSafe Shuttle High Speed Middleware for MS CSP & PKCS#11 v2.2 |
| ePass3003 Auto | | Driverless with Auto Run, Plug and Play for Windows 2000 and Later Versions | |
| ePass3000MD | | Standard PC/SC Driver Ready for Windows Smart Card Logon Windows Vista Certified | MS SCM Minidriver Interfaced, Ready for Smart Card Based CSP, Support CNG,CLM and Vista EFS |

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# BioPass

**pass with a touch of your fingers**

## Headline

- onboard fingerprint sensor for higher security protection
  - live scan fingerprint sensor for swipe more than 1 million times
  - internal fingerprint capture/storage/verification
  - up to 8 fingerprint templates
- 32-bit smart card chip with Feitian COS (FT-COS)
  - onboard RSA DES 3DES SHA-1
  - onboard 1024-bit/2048-bit RSA key pair generation
  - onboard digital signature, private key never exports
  - onboard random number generator (RNG)
  - global unique 64-bit hardware id
  - 64K bytes secure memory
  - standard USB 1.1/2.0 interfaced
- full support of PKI applications
  - PKCS #11 library and CSP ready
  - support standard cryptographic APIs of MS CAPI and PKCS #11
  - multiple key and certificate storage
  - secure storage of X.509 v3 digital certificates
  - works seamlessly with standard PKI systems
- full OS solutions for Windows 98SE/Me/2000/XP/Vista
  - Windows Server 2003/Server 2008  Linux and MacOS ( OS compatibility varies with individual models)

## Biometric enhance the security

one of the most reliable biometric USB Key in the market, equipped with a powerful heart, a 32-bit smart card processor onboard

## Model

| MODEL | MEMORY | FEATURES | MIDDLEWARE |
|---|---|---|---|
| BioPass3000 | 64K | Onboard Anti-Fraud Fingerprint Sensor<br>Up to 8 Fingerprint Templates<br>Standard PC/SC Driver Ready for Windows<br>Smart Card Logon<br>Windows Vista Certified | EnterSafe Shuttle High Speed Middleware for MS CSP & PKCS#11 v2.2 |

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**globally first user-interactive USB key with audio or display**

# InterPass

## Headline

audio or display features with confirmation button
- read or display transaction details
- no action until user confirm the transaction by pressing button
- available for customized audio and display information

high performance smart card chip
- 8-bit / 32-bit smart card platform
- onboard DES 3DES SHA-1 RSA
- onboard 1024-bit/2048-bit RSA key pair generation
- onboard digital signature, private key never exports
- onboard random number generator (RNG)
- global unique 64-bit hardware id
- up to 64K bytes secure memory
- standard USB 1.1/2.0 interfaced

driverless or plug-and-play devices available

full support of PKI applications
- PKCS #11 library and CSP ready
- support standard cryptographic APIs of MS CAPI and PKCS #11
- multiple key and certificate storage
- secure storage of X.509 v3 digital certificates
- works seamlessly with standard PKI systems

full OS solutions for Windows 98SE/Me/2000/XP/Vista
Windows Server 2003/Server 2008  Linux and MacOS
*( OS compatibility varies with individual models)*

*Your computer may be hacked*
*Your eyes, ears and fingers may NOT*
*Only Approve Transactions you confirmed with InterPass*
*A Hacker Terminator*

## Model

| MODEL | MEMORY | FEATURES | MIDDLEWARE |
|---|---|---|---|
| InterPass3000 View | 64K | with LCD Display to Show Transaction Details for User Confirmation | EnterSafe Shuttle High Speed Middleware for MS CSP & PKCS#11 v2.2 Transaction Details for Show or Display Can Be Customized per Request |
| InterPass3000 Voice | | with Audio Chip and Speaker to Play Transaction Details for User Confirmation | |
| InterPass3000 Duo | | with LCD Display and Audio Chip/Speaker to Show or Play Transaction Details for User Confirmation | |
| InterPass2000 View | 32K | with LCD Display to Show Transaction Details for User Confirmation | |

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# StorePass

## Headline

USB Flash Plug and Play (1G to 4G) with high speed USB2.0 interface
Auto Run Installation from USB Flash
virtual CD-ROM supported and virus free
high performance smart card chip
- onboard DES 3DES SHA-1 RSA
- onboard 1024-bit RSA key pair generation
- onboard digital signature, private key never exports
- onboard random number generator (RNG)
- global unique 64-bit hardware id
- up to 32K bytes secure memory

driverless or plug-and-play devices available
full support of PKI applications
- PKCS #11 library and CSP ready
- support standard cryptographic APIs of MS CAPI and PKCS #11
- multiple key and certificate storage
- secure storage of X.509 v3 digital certificates
- works seamlessly with standard PKI systems

full OS solutions for Windows 98SE/Me/2000/XP/Vista
- Windows Server 2003/Server 2008  Linux and MacOS *( OS compatibility varies with individual models)*

### Secure with storage

easy to carry digital certificates
and sensitive data with this secure
USB token integration

## Model

| MODEL | MEMORY | FEATURES | MIDDLEWARE |
|---|---|---|---|
| StorePass2000_FT11 | 32K Secure Memory<br>1G to 4G USB Flash | Onboard USB Flash Support Auto Run and Plug & Play for Windows 2000 and Later Versions | Driverless for Windows98SE and Later Versions | ePassNG Multi-Platform Middleware for MS CSP & PKCS#11 v2.11 |
| StorePass2000_FT12 | | | Standard PC/SC Driver Ready for Windows Smart Card Logon Windows Vista Certified | ePassNG Multi-Platform Middleware for MS CSP & PKCS#11 v2.11 |
| StorePass2001 | | | Driverless for Windows98SE and Later Versions | EnterSafe Shuttle High Speed Middleware for MS CSP & PKCS#11 v2.2 |
| StorePass2000MD | | | Standard PC/SC Driver Ready for Windows Smart Card Logon Windows Vista Certified | MS SCM Minidriver Interfaced, Ready for Smart Card Based CSP, Support CNG,CLM and Vista EFS |

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# PKI+OTP Combo
# PKI Card

## OTP C400 - PKI+OTP Combo USB Key

By combining ePass PKI authentication USB Key and dynamic One-Time-Password (OTP) feature, OTP C400 supports both PKI-based digital signature while working in online mode, and two factor user authentication from offline dynamic one-time-password.

OTP C400 offers the enhanced trusted solution binding the well-established PKI and dynamic OTP, it adheres to the OATH standard algorithms.

Feitian offers stand-alone OTP device under different product catagory, for more information on Feitian OTP, please visit our website for latest updates.

### Two-in-one

Integrate PKI and OTP applications in one device, avoid switching or seeking among that many keys or tokens.

### Card fans choice

- 32-bit smart card processor
- 64KB user space
- PKCS #11 and MS CAPI
- ISO 7816 part 1,2,3,4,8,9
- T=0 and T=1
- PC/SC, X.509 v3, SSL v3,
- On-board security algorithm
  - RSA 2048-bit/1024-bit
  - DES, 3DES
  - SHA-1
- Baud rate 9,600 ~ 115,200 bps
- Multi-tier secure access control
- Windows 2000/XP/Server 2003/Server 2008/Vista, Linux, Mac OS

## PKI Card

PKI Card is specially designed for public-key based applications, with it's secure portable storage of keys and sensitive data and excellent performance for RSA cryptographic operations which are quite essential in strong user authentication, secure digital signature and high level data security solutions.

PKI Card provides enhanced support for RSA 2048-bit keys and guarantees all on-board personal credentials will never be exported.

PKI Card supports all Public Key Infrastructure (PKI) applications, also it can be easily integrated with user current infrastructure and secure environment.

PKI Card is the ideal solution for users looking for strong authentication with best security assurance. For more information on Feitian smart card and smart card device, please visit our website for latest updates.

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