

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

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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.

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ePass

the family



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Entrust
Ready



CFCA

USB



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securing online transactions for millions of users

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			
ePass2000 Auto LE	24K	Driverless with Auto Run, Plug and Play for Windows 2000 and Later Versions	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



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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 student 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 authentication system...



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the lowest cost security device you may trust

ePass 1000



Headline

- high performance secure MPU
- onboard HMAC-MD5 and TEA
- onboard random number generator (RNG)
- global unique 64-bit hardware id
- up to 32K bytes secure memory
- standard USB 1.1/2.0 interfaced
- secure file system with hardware PIN protection
- 2-level file directory & 3-level file access control
- driverless 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
 - RSA(512/1024) DES 3DES SHA-1 MD5 RC2 RC4
- Challenge/Response ready
 - development lib and ActiveX support accessible via ActiveX Control or Java Applet
- full OS solutions for Windows 98SE/Me/2000/XP/Vista /Server 2003/Server 2008 Linux and MacOS
(OS compatibility varies with individual models)



a money saver you must know

Model

MODEL	MEMORY	FEATURES	MIDDLEWARE
ePass1000ND-8K	8K	Driverless for Windows98SE and Later Versions	ePassNG Multi-Platform Middleware for MS CSP & PKCS#11 v2.11
ePass1000ND-32K	32K	Onboard HMAC-MD5 and TEA	API Function Provided Challenge/Response 2-Factor Authentication
ePass1000-8K	8K	Standard PC/SC Driver Ready for Windows Smart Card Logon Windows Vista Certified	ePass1000 Middleware for MS CSP & PKCS#11 v2.11
ePass1000-32K	32K	Onboard HMAC-MD5	API Function Provided Challenge/Response 2-Factor Authentication
ePassND	1.4K	Driverless for Windows98SE and Later Versions Onboard HMAC-MD5 and TEA	API Function Provided for Challenge/Response 2-Factor Authentication

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pass with a touch of your fingers

BioPass

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 Up to 8 Fingerprint Templates Standard PC/SC Driver Ready for Windows Smart Card Logon 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
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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		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	64K	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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ePass USB key with USB Flash memory add-on

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
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Secure with storage

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

Model

MODEL	MEMORY	FEATURES	MIDDLEWARE
StorePass2000_FT11		Driverless for Windows98SE and Later Versions	ePassNG Multi-Platform Middleware for MS CSP & PKCS#11 v2.11
StorePass2000_FT12	32K	Standard PC/SC Driver Ready for Windows Smart Card Logon Windows Vista Certified	
StorePass2001	Secure Memory	Driverless for Windows98SE and Later Versions	EnterSafe Shuttle High Speed Middleware for MS CSP & PKCS#11 v2.2
StorePass2000MD	1G to 4G USB Flash	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.

Two-in-one

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

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 category, for more information on Feitian OTP, please visit our website for latest updates.

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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