

eToken PRO

eToken™
YOUR KEY TO eSECURITY

***Portable USB Token
With Advanced
Smartcard Technology***



Aladdin®
SECURING THE GLOBAL VILLAGE

Aladdin.com/eToken

eToken PRO - The ultimate solution for securing your networks and eBusiness solutions.

eToken PRO offers strong authentication and guaranteed non-repudiation for sensitive applications such as eBanking, stock trading, eCommerce and financial transactions.

eToken PRO's secure, on-board RSA 1024-bit and 2048-bit key operations enable seamless integration into Public Key Infrastructure (PKI) architectures. eToken PRO can generate and store users' personal credentials, such as private keys, passwords and digital certificates, inside the protected environment of the smartcard chip itself. Users' private keys never leave the token.

Cost-effective and easy to use, eToken PRO is a true reader-less smartcard that can be easily taken from one workstation to another on a key ring or in your pocket.

eToken PRO offers both two-factor and two-way authentication, using advanced cryptographic smartcard technology. With its advanced onboard cryptographic processors, ITSEC LE4 level security certification and physical tamper-evident and water-resistant casing, the eToken is ideal for your corporate network and eBusiness security needs.

+ Features

- Public key (PKI) technology support, with on-board 1024-bit and 2048-bit PKI key generation.
- On-board RSA 1024-bit and 2048-bit authentication & digital signing.
- Highly secure, logical & physical smartcard level security, ITSEC LE4 Certified.
- Standard Crypto API and PKCS#11 connectivity.
- Secure storage and robust file system.
- Hardened tamper-evident and water-resistant shell.
- Multiple color options, security coding and third party branding.
- Robust Plug-and-Play connectivity to mainstream PKI and security clients.
- Standard USB interface.

+ Benefits

- Non-repudiation using advanced PKI digital signing technology: data is signed on the smartcard chip inside the eToken, away from the hostile PC environment.
- On-board PKI generation: private keys are never exposed outside the eToken.
- No need for special development or integration work: eToken Enterprise supports standard security interfaces and a wide range of security clients.
- Flexible development tools for seamless integration with third party applications.
- Portable USB design: no special reader needed.
- Two-factor authentication: requires the eToken itself, together with the eToken password.
- Secure storage of users' credentials, keys and sensitive information.
- Private labeling and color options for brand enhancement.

+ Enabled Security Services & Applications

- Online financial services: authentication and transaction signing for eBanking and stock trading applications.
- Extranet/Intranet access.
- Online government services: citizens' information, vehicle registration, tax returns and healthcare.
- eCommerce B2B & B2C services: authentication and transaction signing for eCommerce applications.
- VPN solutions: two-factor authentication.
- Remote Access Server (RAS) authentication.
- Secured network logon.
- Secured email communications; encryption & signing.
- PC Security: boot protection & file encryption.

+ How credible is your digital signature?

Authentication - particularly digital signatures created with a software-based private key - can potentially be compromised.

Relying on a digital signature created in a software environment does not guarantee that the signature was created by the legitimate owner.

eToken PRO is designed to prevent any unauthorized access or copying of users' private keys even if the password is compromised in the PC environment. More importantly, the actual signature is created inside the eToken - a fully secure environment.

eToken PRO is the ideal device for signing valued transactions requiring absolute proof and guaranteed non-repudiation.



+ Key Application Support



Network Security Clients:
Windows 2000 Smartcard and NT network logon, Check Point VPN client, Cisco VPN client, RAS Dialup / RADIUS.
Also support for various PC security and file encryption applications.



eMail Clients: Microsoft Outlook/Outlook Express & Internet Explorer, Netscape Messenger, Lotus Notes, Mozilla.



eBusiness Security Clients:
Web Browser SSL v3 interoperability: Microsoft Internet Explorer public key authentication. Netscape Navigator public key authentication and signing. WAC authentication. Support for various Solution Partners' communication & encryption applications.



PKI and CA Support:
Baltimore, Entrust, Microsoft, Verisign, DST, RSA Keon, and others.

For a full list of eToken Solution Partners, go to: <http://www.Aladdin.com/partners>

For more information regarding eToken solutions, please go to: <http://www.Aladdin.com/eToken/solutions.asp>

⊕ eToken PRO USB Specifications

Operating systems	Windows 98/98SE/Me/2000/XP, and Windows NT4.0 SP6 and later
API & standards support	PKCS#11 v2.01, CAPI (Microsoft Crypto API), Siemens/Infineon APDU commands, PC/SC, X.509 v3 certificate storage, SSL v3, IPSec/IKE
Models (by memory size)	32k, 64k
On board security algorithms	RSA 1024-bit / 2048-bit*, DES, 3DES (Triple DES), SHA1 (*)Available with 64K model
Smartcard chip security level	ITSEC LE4 (Infineon and Siemens); FIPS 140-1 level 2 & 3 (32K model)
Dimensions	47 x 16 x 8 mm (1.85 x 0.63 x 0.31 inches)
ISO specification support	Support for ISO 7816-1 to 4 specifications
Weight	5g
Power consumption	120mW
Operating temperature	0 C to 70 C (32 F to 158 F)
Storage temperature	-40 C to 85 C (-40 F to 185 F)
Humidity rating	0-100% without condensation
Water resistance certification	IP X8 – IEC 529
Connector	USB type A (Universal Serial Bus)
Casing	Hard molded plastic, tamper evident
Memory data retention	At least 10 years
Memory cell rewrites	At least 500,000



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