

eToken R2 Specifications

Operating systems	Windows 95/98/98SE/Me/2000/XP , Windows NT4.0 SP4 & later
Certifications & standards	PKCS#11 v2.01, CAPI (Microsoft Crypto API), APDU commands, PC/SC, X.509 v3 certificate storage, SSL v3, IPSec/IKE
Models (by memory size)	16K & 32K
On board security algorithms	DES-X 120-bit *
Chip security level	Secured and encrypted EEPROM memory chip
Dimensions	47 x 16 x 8 mm (1.85 x 0.63 x 0.31 inches)
Weight	5g
Power dissipation	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 100,000

* DES based algorithm enhanced to offer similar level of security as 3DES (Triple DES). Microsoft also uses this strong and fast algorithm in its EFS system.



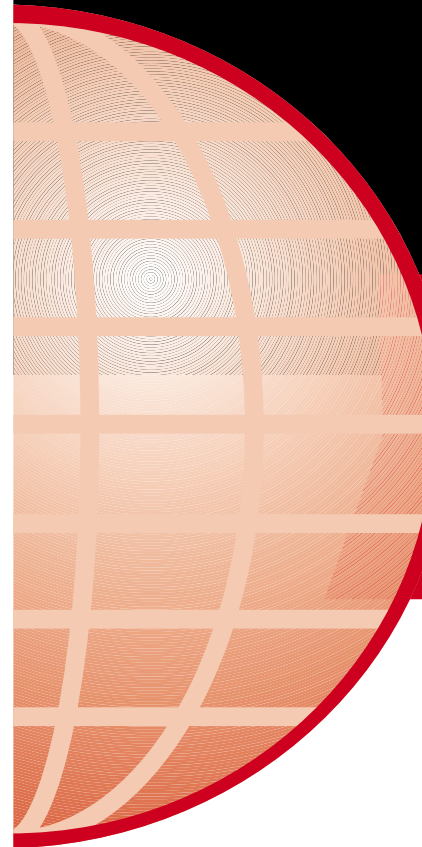
For more information on eToken please go to:
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R2



eToken™

YOUR KEY TO eSECURITY

Portable USB Security Device using Advanced Cryptographic Technology



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eToken R2 - The ultimate solution for securing access to your network, web services and eBusiness applications.

The eToken R2 is a USB device the size of a small house key that offers robust and powerful onboard 120-bit DES-X, two-factor authentication.

Cost-effective and easy to use, eToken R2 combines high security with simple implementation for enhanced user authentication, access control, data confidentiality and integrity.

As an authentication device, eToken R2 stores and encrypts credentials such as private keys, passwords and digital certificates, allowing corporations to trust the identity of users requesting access to protected content.

eToken provides security for applications such as eCommerce, eBanking, eMail communications, and financial transactions, and controls access to any multi-user LAN, WAN, or VPN. Carried on a key ring or in a pocket, eToken can be taken from one workstation to another and does not need a separate reader.

Features

- Onboard symmetric DES-X challenge-response authentication.
- Secure and encrypted EEPROM memory chip.
- Standard Crypto API connectivity.
- Secure & protected storage of users' private credentials and PKI keys.
- Hardened tamper-evident and water-resistant shell.
- Multiple color options, security coding and third-party branding.
- Compatible implementation with smartcards.
- Protected chip serial ID (32-bit length).
- Standard USB interface.

Benefits

- No need for special development or integration work.
- Flexible development tools for seamless integration with third-party applications.
- Portable USB design: no special reader necessary.
- Two-factor authentication: requires the eToken itself, together with the eToken password.
- Secure storage of users' credentials, digital certificates, PKI private keys and sensitive information for advanced authentication, confidentiality and non-repudiation.
- Private labeling and color options for brand enhancement.

Enabled Security Services & Applications

- Online financial services: banking and stock trading authentication.
- Extranet/Intranet access authentication.
- Online government services: citizens' information, vehicle registration, tax returns and healthcare.
- eCommerce B2B & B2C services.
- VPN authentication.
- Secure Remote Access Server (RAS) authentication.
- Secure network logon.
- eMail communications, encryption & signing.
- PC Security: boot protection and file encryption.

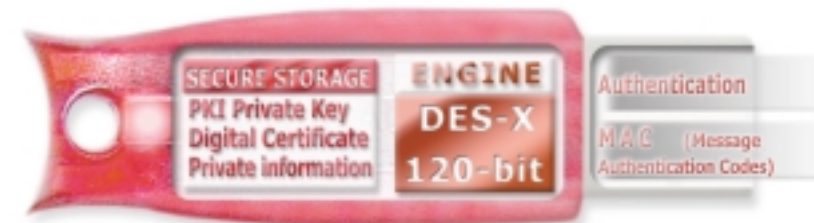
A password is not enough

Relying on one-factor authentication - a memorized password alone - seriously weakens the security of a VPN system.


Passwords entered into your PC can easily be copied and/or hacked.


eToken R2 is designed to prevent access even if the password is compromised in the PC environment.


By performing all sensitive operations inside the token, the user's secret keys are never exposed in the PC environment. The password is not enough to gain access.




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.

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

 **eMail Clients:** Microsoft Outlook/Outlook Express & Internet Explorer, Netscape Messenger.

 **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.

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

