



E-BUSINESS SOLUTIONS  
WEB ACCESS CONTROL

# eToken™

YOUR KEY TO eSECURITY

## Securing OnLine Web Services with Thin Client Technology Active-X Control

Modern browsers allow organizations to expand their business model securely to include online commerce and security-related services. Organizations can now rely on the existing browser security infrastructure to provide strong authentication, without the need to install additional dedicated software clients.

By implementing strong user authentication and access control systems, companies can insure that only authorized users access this online information. Practical examples of secure Web services applications might include:

- Online banking transactions
- eCommerce transactions
- Support for online payment schemes such as 3-DSET, 3 DSSL, and OTN (One time number)
- Online access to medical records and information
- Remote access to network resources
- Online student registration
- Database access
- Business-to-Business portals
- Customized reseller Web sites

### Features

#### eToken

- eToken R2 - DESX 120-bit
- eToken PRO - RSA 1024 / 3-DES / SHA-1
- Secure Storage of Keys
- On-Board Cryptographic Processing
- Strong Two-Factor Authentication
- Standard USB Connectivity

#### AKS - Active-X

- Active-X Control (symmetric key eToken module) (DES-X)
- Secure Web Logon
- Server/Client Two-Way Authentication
- Strong Challenge-Response Authentication
- Support for Internet Explorer Browser

### Benefits

- High-level security for users' keys. Users can now **authenticate** with full confidence.
- Two-factor authentication is enabled for a variety of eCommerce and banking applications, ensuring a high level of security through reliance on a hardware based USB device.

# eToken Ensures Two-Way Authentication

## User Authentication

Using strong 120-bit DESX challenge-response technology, users can be authenticated to a Web server. For example, as an online bank customer, you are allowed access only to your own account data, and not to other customers' accounts. No other customer, Web surfer or hacker should be able to enter your account site and access your confidential data.

## Server Authentication

Verifies that the Web site you are accessing is who and what it is supposed to be using strong DESX challenge-response. Challenge is performed inside the eToken in a fully secure environment.

## Active-X Control.

Thin Client applications incorporate a signed Active-X control to implement a secure challenge-response mechanism. Incorporating an Active-X control into an application is a relatively simple way to implement predefined functionality with a minimum of programming. The eToken Active-X allows developers to add strong 120-bit DESX challenge-response authentication to their applications. Specifically, applications can:

- Request and validate the user's eToken
- Validate the personalized eToken password
- Generate an authentication secret on the user's eToken
- Use the stored secret with a received challenge and the DES-X encryption algorithm to produce a secure response for authentication by the server

The eToken includes instructions, implementation advice, VB script and several code samples. Active-X supports Internet Explorer Web Browser only.

For more information about eToken, visit: [www.eAladdin.com/eToken](http://www.eAladdin.com/eToken).



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