



## eToken Devices

### Features:

- ✓ Secure storage of private credentials
- ✓ RSA 1024/2048 / 3-DES / SHA-1 (onboard RSA 1024/2048 operations)
- ✓ Multiple authentication methods
- ✓ Standard USB connectivity
- ✓ Support for multiple business applications (CAPI, PKCS#11)
- ✓ Onboard Key generation
- ✓ PIN protection

Powered by:



## eToken for CertifyID BlackBox™

Your Key to Security:

Authentication for Electronic Transaction Security.

### Benefits

- **High-level security for users private credentials & digital certificates.** Users can authenticate, encrypt, decrypt & sign electronic transactions with full confidence.
- **Two-factor authentication** for a variety of network security applications, ensuring a high level of security through reliance on a superior hardware based USB device.
- **Private keys and certificates**, stored on the eToken, operate transparently with any standard browser and any Microsoft CAPI supported application such as eMail, VPN clients or network logon clients.
- **Ease of use and mobility** for roaming users.

The WIS@key CertifyID BlackBox™ is a distinctive product offering a complete and affordable out-of-the-box solution for the rapid deployment of a Trusted Identity Infrastructure dedicated to your organisation. Digital Identities are used widely for various applications including two-factor authentication, Digital Signature, application code signing, authentication for remote login as well as protecting sessions between Browsers and Servers.

The CertifyID BlackBox™ enables easy and effective digital identity deployment and management within your organisation by leveraging the integrated Digital Certification Technology in the Microsoft Windows Server platform, protecting current investment.

The Aladdin eToken adds a crucial component and enhances the security of the CertifyID BlackBox™ by providing secure storage for private keys. Typically the key pair is generated directly on the eToken, ensuring that the user's keys cannot be compromised as they are never exposed in the PC environment and cannot be extracted, duplicated or tampered with.

This premium combination extends a trust system which was previously reserved for a few, to any organisation. Globally trusted user certificates are issued by your own Windows Certification Authority (CA), enabled by the link to the OISTE WIS@key Root CA.



Blackbox™



## CertifyID BlackBox™

### Features:

- ✓ S/MIME email signing and encryption
- ✓ User authentication (Web Sites, Virtual Private Networks ([VPN])
- ✓ Document signing and encryption
- ✓ Server authentication and encrypted communications for e-business
- ✓ Exchange address book synchronisation with Active Directory
- ✓ Strong authentication to Windows Workstations and Servers using token/smartcard Logon

### The CertifyID BlackBox™ assists you with the following tasks:

- **Creation of the key pair** on the relevant token/smartcard and obtaining your Administrator Certificate;
- **Setting-up of your CA**, including generation of the CA key pair and online certificate request procedure for joining the OISTE WIS@Key Trust Network;
- **Managing your CA status and CertifyID service settings** via secure online access to the web management console using your administrator certificate;
- **Managing your digital certificates and users** via the included Web Services API;
- **Developing your Certificate Practices Statement (CPS)** using licensed templates;
- **Publishing your certificates and CRLs** via the included publishing software;
- **Safeguarding your CA and enabling recovery** in case of a disaster, using the included data persistence and high availability module (CertifyID Guardian XM).



### The CertifyID BlackBox™ 2007 Edition includes the following components:



#### WIS@Key Trust Service

WIS@Key verifies and certifies your organisation's identity so that your users and devices electronic identities can be trusted and recognized globally.



#### CertifyID Guardian XM

The CertifyID Guardian XM offers professional grade database redundancy and high availability services for Certification Authorities (CAs) on the Microsoft Windows Server platform.



#### CertifyID CA Web Services

A web service API that can be integrated with enterprise applications, or used by CA administrators to issue, manage, and diagnose eIDs on the CertifyID Platform.



#### CertifyID CRL Manager

Reliable publication and monitoring of Certificate Revocation List (CRL) to check a Digital Identity status at any-time.

More information on eToken can be found on: [www.aladdin.de](http://www.aladdin.de)

More information on the WIS@Key CertifyID BlackBox™ can be found on: [www.wisekey.com](http://www.wisekey.com)