



# eToken™

YOUR KEY TO eSECURITY

## Using eToken with Microsoft® Windows® 2000/XP VPN

Aladdin's eToken ensures strong authentication when using the generic VPN solution available within Microsoft's Windows 2000 and XP operating systems. The Microsoft VPN utilizes advanced PKI technology for securing mobile and remote user connections to the enterprise network, with sensitive information transmitted in a fully encrypted format.

With eToken, MS VPN users just need to remember a single eToken password, and can take their authentication keys and digital certificates with them wherever they go, on a key chain or in their pocket. Organizations can easily implement eToken two-factor authentication from any computer that runs either Windows 2000 or XP, simply by interfacing with Microsoft's Cryptographic API (CAPI).

Storing or generating users' private keys and certificates on an eToken significantly enhances VPN access security. Microsoft's native PKI support enables full challenge-response authentication.

### Features

#### eToken

- eToken PRO - RSA 1024 / 3-DES / SHA-1 (Onboard RSA 1024 operations)
- eToken R2 - DESX 120-bit (Secure storage of private keys)
- Strong two-factor authentication
- Standard USB connectivity
- Standard connectivity to multiple business applications (CAPI, PKCS#11)
- ITSEC LE4 & FIPS 140-1 compliance

#### Microsoft Windows 2000/XP VPN Client

- Generic VPN support at the OS level, no need to install an external VPN client
- Full 1024-bit RSA PKI authentication support via Microsoft Crypto API
- Supports IPSec/IKE VPN and x.509 digital certificates
- VPN service available on MS Windows 2000 and later

### Benefits

- Enhanced VPN access security through hardware-based two-factor authentication
- Reduced risk of tampering with personal and corporate information
- Full support for other security applications via Aladdin's Enterprise security suite (i.e. secure mail, network logon and more)
- One eToken with a single password for multiple applications

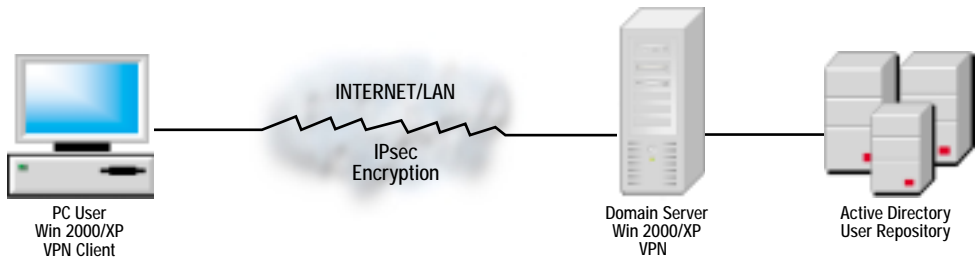
NETWORK SECURITY SOLUTIONS  
REMOTE ACCESS

## What is Microsoft VPN Client?

Microsoft's VPN (Virtual Private Network) is one of the few VPN clients currently available as part of the operating system of the computer. It does not require the installation of an additional application in order to establish IPsec compliant communications with other supported applications. With Microsoft VPN, data is encrypted before it leaves the client computer, offering a highly secure solution for remote connections. eToken Enterprise is currently compatible with Microsoft 2000 and XP VPN clients.

## How safe is a password?

Relying on one-factor authentication (a memorized password) seriously weakens the security of a VPN system – and makes life more difficult for the user. Users are advised to change passwords frequently, and never to write them down. Remembering several passwords for different applications is not easy and as such, users frequently disregard warnings, rarely changing their passwords and often recording them in easily accessible places.



## Enhancing Microsoft VPNs with eToken

Storing or generating users' private keys and certificates on an eToken significantly enhances VPN access security. eToken provides strong two-factor authentication, portability, and convenience in one compact USB device. For remote access to a secured site, users simply insert a personal eToken and enter their unique eToken password. Microsoft's native PKI support enables full challenge-response authentication. The eToken password is set by the user, and enables operations with the user's private keys, held on the eToken.

For more information on Microsoft, visit: [www.microsoft.com](http://www.microsoft.com)

**Aladdin**  
SECURING THE GLOBAL VILLAGE

**Microsoft**  
Security Partner

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