

# iKey 2000 Series

Digital Signatures, PKI and Network Security



Online stock trading.



Store user's credentials to perform secure business transactions over the Internet.

100% Compatibility between USB tokens and smart cards

- Reduction in cost of ownership
- Single vendor support
- Single software integration
- Single user interface



## Security Through PKI

The iKey™ 2000 series by Rainbow Technologies are powerful and portable two-factor authentication devices ideally suited for applications demanding high-security. The iKey 2000 series specifically supports Public Key Infrastructure (PKI) needs by providing on-board cryptographic key generation; secure storage of key pairs and X.509 digital certificates; and performing digital signature signing operations on-board. The iKey 2000 series consists of USB-tokens and smart cards that are 100% compatible with each other.

## Security Through Authentication

B2B, B2C, ASPs, HIPPA, and other Internet based technologies are enabling the electronic automation of business transactions and processes.

However, many of these infrastructures are vulnerable – the security is based on traditional user name and passwords (weak security and expensive to maintain), or they store a digital identity on a computer's hard drive (non-portable and susceptible to viruses). Rainbow Technologies specifically designed the iKey 2000 series to be a secure, portable, two-factor authentication token. With two-factor authentication, the user requires two elements of identification – the iKey 2000 itself and the iKey's PIN.



For more information on how a Rainbow Technologies' iKey solution can benefit your business, visit our corporate Web site at [www.rainbow.com/ikey2000](http://www.rainbow.com/ikey2000), or contact a Rainbow office nearest you.



<http://www.rainbow.com/ikey2000>

# iKey 2000 Series Products

- iKey 2000: USB token, 8K memory
- iKey 2000SC: Smart Card, 8K memory
- iKey 2032: USB token, 32k memory
- iKey 2032SC: Smart Card, 32k memory

## SPECIFICATIONS

### Basic specifications:

- 8K or 32K secured storage, physical security at ASIC level
- iKey 2032SC is FIPS 140-1 level 2 certified. iKey 2032 USB contains FIPS 140-1 level 2 certified ASIC & firmware
- 8-bit processor
- PKCS #11 middleware (v2.01)
- Microsoft CAPI middleware
- Application controllable LED
- USB 1.1 compliant
- On-board 1024-bit RSA algorithm (iKey 2032SC also supports 2048-bit RSA)
- X.509 certificate storage
- On-board key signing – sub one second
- High quality on-board cryptographic key generation – under 90s
- Windows 95/98/2000/NT4, Service Pack 4.0 or later
- ISO 7816-3 and 4 compliant
- FCC/CE certified
- Windows 2000 PC/SC compliant

### PKI Solution Partners:

- Alcatel • Ashley Laurant • Baltimore • Celo • Cybertrust • Digital Signature Trust • GlobalSign • IDCertify
- Kyberpass • Netscape • RSA Keon CA • Secure Computing • Shym • Thawte • Verisign • WISEkey\* • Xcert

### Applications:

- Netscape Navigator and Communicator, Microsoft Internet Explorer and Outlook

### Cryptographic Algorithms:

- RSA • DSA • DES • 3 DES • RC2 • RC4 • SHA-1 • MD5

Expandable to support additional algorithms



\*Founding member of WISEkey Expert Group



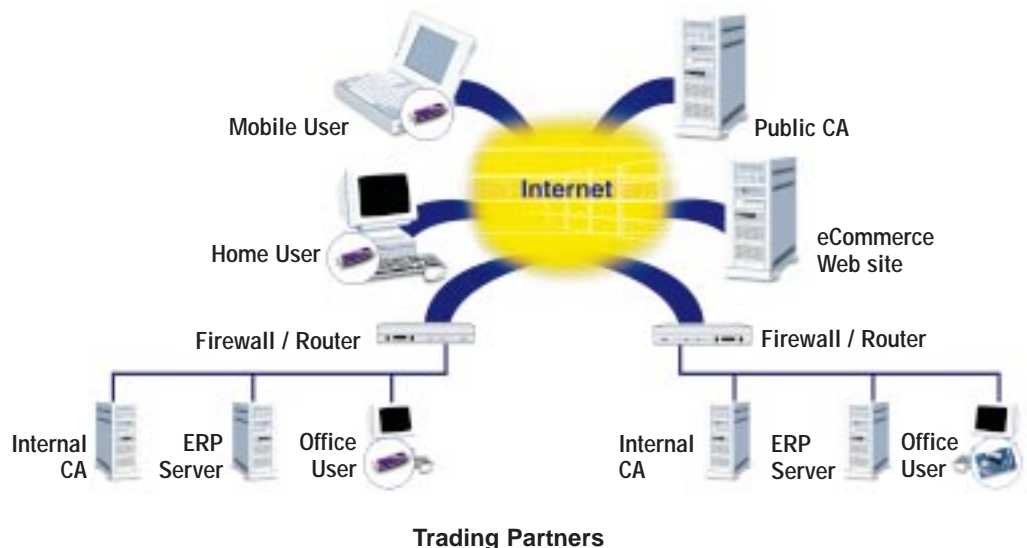
## Network environment utilizing iKey tokens and smart cards



The iKey 2000 is a portable and secure PKI token

designed specifically to enable online digital signatures, whether it is a B2C eTailer purchase, a B2B business partner transaction, or secure remote access.

The USB token is more appropriate for mobile and home users, whereas the smart card is ideally suited for office environments.



<http://www.rainbow.com/ikey2000>

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