

## Benefits

### Compact and Convenient

Although iKey 1000 is smaller than a stick of gum, it offers big security features. Its small size and rugged, tamper-resistant construction make it easy to carry so users can always have their unique digital identities with them.

### Easy to Deploy USB Connectivity

iKey 1000 offers the security of a smart card without the need for a smart card reader. It features a built-in USB 1.1/2.0 port to easily connect to virtually any computer. There is no need to deploy and maintain costly smart card readers or special biometric devices to enhance your security applications — iKey offers plug-and-play security without the headache.

### Onboard Cryptographic Processing

Unlike other smart card or token-based authentication systems, iKey 1000 offers onboard key generation and cryptographic processing to ensure that cryptographic keys remain secure at all times.

# iKey 1000

## Workstation Security and Secure Remote Access

*With the proliferation of remote communications capabilities, unauthorized system access, and theft of digital data are on the rise, mobile workers accessing their corporation's VPN, a business partner accessing an extranet, or a home user shopping on-line are all vulnerable. But unauthorized access isn't just a remote access problem; it is also prevalent at the desktop.*



### Security through Authentication

Most computers and networks use simple user names and passwords to protect themselves. But passwords alone do not provide adequate protection—they are easily shared or guessed. SafeNet's iKey™ 1000 was designed specifically as a portable and secure authentication token addressing the password replacement needs of both users and systems administrators. For users, the iKey 1000 is convenient and easy-to-use; simply plug it into an open USB port and enter the iKey's PIN. For systems administrators, the iKey 1000 is a powerful authentication device incorporating random challenges and real-time calculated responses, while shielding the user from the underlying process. The iKey 1000 is a powerful, portable two-factor authentication device ideally suited for eMail security, file encryption and desktop security through Windows 2000 smart card logon, and iKey partner solutions.

### The iKey

SafeNet's iKey 1000 was originally designed with the developer in mind. As a result, the iKey 1000 has a robust and well-documented Software

Developer's Kit appropriate for integrating the iKey into client/server and browser-enabled applications.

The iKey 1000's drivers and support software are modular in design allowing for no-hassle post-sales support.

### What is an iKey?

The iKey is a USB device utilizing a standardized interface included on all personal computers built since 1997.

### Solutions:

- Workstation
- File and Disk Encryption
- Web Access
- VPN
- PKI
- Network
- Email

For more information on how a SafeNet's iKey solution can benefit your business, visit our Web site at [www.safenet-inc.com](http://www.safenet-inc.com), or contact a SafeNet office near you.

## Technical Specifications

- iKey 1000 8K memory
- iKey 1032 32K memory
- PKCS #11 middleware (v2.01)
- Microsoft CAPI/CSP middleware
- Browser-based access to the iKey via Active X and Java components
- 1024-bit RSA (software)
- X.509 digital certificate storage
- MD5 hashing algorithm (hardware)
- Three security levels of file access
- Two-level file directory
- 64-bit unique serial number
- Application controllable LED
- USB 1.1/2.0 compliant
- USB communication speed at 1.5 Mbits
- Maximum power consumption at 28mA
- Write time for a 4Kb file in 3 seconds
- ISO 7816-4 compliant
- FCC/CE certified
- Microsoft PC/SC compliant
- Approved for Windows 2000
- One year limited warranty

## Applications

- Workstation security through Windows 2000 Smart Card
- Integrated with Check Point™ VPN-1 Logon, partner solutions SecuRemote Software (iKey VPN solution series)
- email signing and encryption through Netscape Messenger and Microsoft Outlook Express
- PKI compatibility with Windows 2000, Netscape Navigator and Microsoft Internet Explorer

## Software Interfaces

- Windows 95, 98, 2000, NT 4.0 with Service Pack 4 or later, XP Professional version
- Delivered as Win32 DLL and ActiveX components for easy integration and post sales support
- Supports Visual Basic, C++, Java
- Component installer included
- API: PKCS #11, MS-CAPI/CSP, Microsoft PC/SC and iKey native CAPI
- Royalty-free distribution license



## System Requirements

### Operating Systems Supported

Microsoft Windows 95, Windows 98, Windows NT (SP4), Windows 2000, and Windows XP

## PKI Systems and Applications

iKey is supported by a wide range of security applications from many vendors, including:

Alcatel	iPlanet
Baltimore	Microsoft
Computer Associates	Netscape
Digital Signature Trust	RSA Keon and Xcert
Entrust	Secure Computing
GlobalSign	Thawte
IDCertify	VeriSign
Kyberpass	



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