



SafeNet iKey® 1000

PRODUCT BRIEF

Benefits

Compact and Convenient

Although the SafeNet iKey 1000 USB Token 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

The SafeNet iKey 1000 USB Token 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, SafeNet iKey 1000 USB Token offers onboard key generation and cryptographic processing to ensure that cryptographic keys remain secure at all times

Workstation Security and Secure Remote Access.

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. The SafeNet iKey™ 1000 USB token was designed specifically as a portable and secure authentication token addressing the password replacement needs of both users and system administrators. For users, the SafeNet iKey 1000 USB token is convenient and easy-to-use; simply plug it into an open USB port and enter the iKey's PIN. For system administrators, the SafeNet iKey 1000 USB Token is a powerful authentication device incorporating random challenges and real-time calculated responses, while shielding the user from the underlying process. The SafeNet iKey 1000 USB Token is a powerful, portable two-factor authentication device ideally suited for e-mail security, file encryption, Windows 2000/XP/2003 logon security, and iKey partner solutions.

The iKey

The SafeNet iKey 1000 USB token was originally designed with the developer in mind. As a result, the SafeNet iKey 1000 USB token has a robust and well-documented Software Developer's Kit appropriate for integrating the iKey into client/server and browser-enabled applications.

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

What is an iKey?

An iKey is a USB device that provides cryptographic processing and secure storage for user credentials that enables strong authentication of users to desktops, networks and applications. Included are client middleware software and drivers that allow the iKey to be used on a large range of workstation models.

Solutions:

- Workstation
- File and disk encryption
- Web Access
- VPN
- PKI
- Network
- E-mail

For more information on how a SafeNet iKey 1000 solution can benefit your business, visit our Web site at 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 ActiveX 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
- 3 second write time
 - for a 4Kb file
- ISO 7816-4 compliant
- FCC/CE certified
- Microsoft PC/SC compliant
- Approved for Windows
- One year limited warranty

Applications

- Workstation security through Windows 2000, XP, and 2003 smart card support
- 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 MS Windows 2000/XP/2003, Netscape Navigator, and MS Internet Explorer

Software Interfaces

- Windows 95, 98, NT 4 SP4, 2000, XP, and 2003
- 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

Supported Operating Systems

- Windows 2000 Pro and Server (SP2 or later)
- Windows XP Home and Pro
- Windows 2003 Server



PKI Systems and Applications

iKey is supported by a wide range of security applications from many vendors, including: Alcatel, BeTrusted, Computer Associates, Digital Signature Trust, Entrust, GlobalSign, IDCertify, Kyberpass, iPlanet, Microsoft, Netscape, RSA Keon and Xcert, Secure Computing, Thawte, VeriSign.

The SafeNet Family of Authentication Solutions

SafeNet's suite of authentication solutions includes certificate-based, OTP, hybrid and software authenticators. All authenticators, together with SafeNet's extensive management platforms and security applications, empower you to:

- **Conduct business securely and efficiently** and open new market opportunities with innovative products that enable secure remote access and advanced security applications such as certificate-based authentication, digital signing and pre-boot authentication.
- **Reduce risk with** strong authentication solutions that prevent fraud and data theft and enable compliance to industry regulations.

To learn more about SafeNet's complete portfolio of authentication solutions, please visit our website at www.SafeNet-inc.com

Contact Us: For all office locations and contact information, please visit www.safenet-inc.com

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