

SafeNet

iKey 1000 USB TOKEN

Workstation Security and Secure Remote Access

With the proliferation of remote access communication capabilities, incidents of unauthorized system access and theft of digital data are on the rise. Mobile workers accessing corporate resources, business partners accessing an extranet, or a home user shopping on-line have all become vulnerable. But unauthorized access isn't just a remote access problem; it is also prevalent at the desktop.

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.

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.

System Requirements

Operating Systems Supported

Windows 95 (OSR 2.5 or later) with MSCAPI and USB patches

Windows 98 or 98SE

Windows ME

Windows NT 4 Desktop (SP6a or later)

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	

Enterprise Data Protection

SafeNet iKey 1000 is a key component of SafeNet's comprehensive enterprise data protection solution to reduce the cost and complexity of regulatory compliance, data privacy, and information risk management. SafeNet Enterprise Data Protection (EDP) is the only solution that secures data across the connected enterprise, from core to edge, with 360-degree protection of data at rest, data in transit, and data in use. Unlike disparate, multi-vendor point solutions that can create limited "islands" of security, SafeNet EDP provides an integrated security platform with centralized policy management and reporting for seamless, cost-efficient management of encrypted data across databases, applications, networks, and endpoint devices. For more information, visit www.safenet-inc.com/EDP

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



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