

iKey™ 1000 Series

Workstation Security
and Secure Remote Access



Security for Everyday Business

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. Rainbow Technologies' 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.

For more information on how a Rainbow Technologies' iKey solution can benefit your business, visit our Web site at www.rainbow.com/ikey/, or contact a Rainbow office nearest you.

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.

The iKey

Rainbow Technologies' 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
- Web Access
- PKI
- eMail
- File and Disk Encryption
- VPN
- Network



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



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