

# 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/](http://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



## iKey 1000 Specifications

### 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 Mbps
- 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



**Making Security Simple**

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