

# ProtectDrive + iKey 2032

## Security Plus Ease-of-Use for End Users and IT Staff



SafeNet Data-at-Rest solutions work together to maximize security and convenience.

- Strong Disk Encryption • Two-Factor Authentication • Unmatched Transparency for End Users

Only with SafeNet will you find a provider of these solutions under one roof. As a result, any risk of interoperability failures are minimized, both now and in the future.

### The Vulnerability of Data at Rest: How SafeNet Sees the Problem

Today, common threats include the misplacement of mobile devices, theft of PCs, laptops, and servers, as well as data theft when disks are discarded.

The risk and severity of data theft is increasing due to four predominant factors:

- The increasing value of data stored on computers
- The increased use of laptops and other mobile devices outside the secure network perimeter
- The massive increase in the amount of data being stored
- The progressive efforts and expertise of data hackers and data thieves

These factors, and the growing number of publicized data breaches, are driving more and more rules and regulations concerning data protection and privacy.

### The Value of the SafeNet ProtectDrive + iKey 2032 Solution

The key advantages of the SafeNet disk encryption and authentication solution are ease-of-use, high-grade security, and a single vendor source.

#### Ease-of-Use

Why do we stress ease-of-use before discussing encryption strength? After all, we're perhaps best known for things like securing all voice communications on Air Force One and protecting over one trillion dollars a day in intra-bank fund transfers.

But when an IT staff cannot efficiently deploy security solutions, or end users resist adopting security measures, security suffers as surely as if one's encryption is weak.

Since the SafeEnterprise™ ProtectDrive disk encryption software and the SafeNet Borderless Security iKey™ 2032 authentication token come from the same security vendor, you are assured that an advanced Data-at-Rest security deployment will be rapid — and embraced. In addition, ProtectDrive's Sign-On Assistant enables single sign-on at startup to several applications, such as ProtectDrive's pre-boot authentication, Windows login, the Windows network, Entrust PKI, and Novell. This makes remembering your passwords to applications needed at startup a thing of the past. For more demanding password management, SafeNet's Borderless Security Single Sign-On software is available.

### High-Strength Encryption and Authentication

Deployed worldwide by governments, corporations, and institutions to protect against security threats, SafeNet's ProtectDrive software encrypts the hard drives of laptops, workstations, and servers — including operating system files — to ensure ultimate protection against unauthorized access of sensitive data.

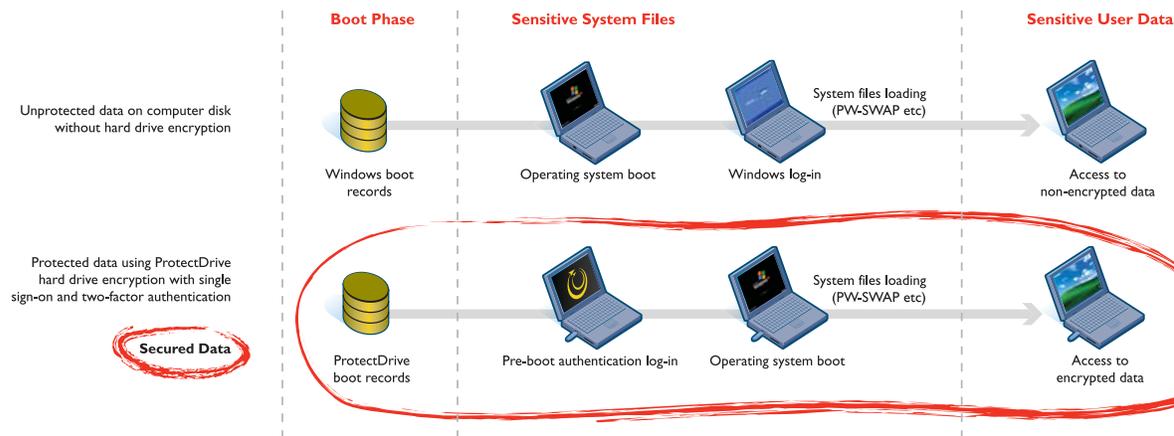
As an added security advantage, users are only able to access systems after successful two-factor authentication utilizing SafeNet's iKey 2032 USB token. Millions of iKeys are deployed across the Fortune 1000, providing enterprises with the integrity and confidence that proven technology delivers.

The ultimate value of the Solution, a combination of open standards-based products that work flawlessly together, is that your company's sensitive data is highly protected. If a user's laptop is stolen or lost, the data is protected by strong encryption, and access verification is protected by the iKey 2032. User password weaknesses no longer exist, making your confidential company data secure at all times. Even if a laptop or desktop is sold, donated, or trashed, you need not worry about cleaning off the files. The new owner will not be able to access anything on the disk; he will have to re-install the operating system on the disk, and there will be no trace of the machine's previous contents.

### Single Security Vendor

The ProtectDrive and iKey 2032 products provide a robust security solution from a single vendor, with one point of contact for support and customized documentation that allows for easy installation and setup. Both products are built on mature SafeNet technologies that have been deployed in small and large enterprises. This smooth integration of strong token-based pre-boot authentication and disk encryption offer the best value in the market.





### ProtectDrive + iKey = Ultimate Security and Usability

Demonstration of how ProtectDrive hard drive encryption secures system authentication, system files, and sensitive user data in comparison to an unsecured computer.

## Security

- A full integration of strong authentication and strong encryption at pre-boot time. Without the iKey 2032 token and PIN number, no hard drive or system access is granted
- Solution of two standards-based components working together flawlessly
- Mature technologies that have been deployed in small and large enterprises
- Even if passwords are improperly shared, data stays secure
- Native X.509 and Microsoft logon certificate support (PKI) on the iKey token
- Use of certificate's key pair for optimal security (no compromise)
- Credentials protected by a FIPS-certified token

## Manageability

- An integrated solution from a single vendor – software, hardware, documentation, and support
- Strong integration with Windows® user management
- Comprehensive documentation makes installation easy

## Usability

- Minimizes user interaction at startup
- Hard drive encryption is transparent to the user with no noticeable performance degradation
- The iKey USB token is small and easy to carry and use — no need for a card reader
- The iKey 2032's rugged, tamper-resistant construction makes it very durable

## Additional Products of Interest

Your security environment can be further enhanced by using SafeNet's file/folder encryption, smart card, and/or single sign-on products. Together with the ProtectDrive and iKey products, they provide additional layers of security for your data.

**SafeEnterprise™ ProtectFile** provides the ability to easily control individual and group permission-based access to encrypted files/folders stored on servers, network drives, workstations, laptops, and portable media. ProtectFile encrypts and decrypts data at the client, ensuring protection of confidential files in transit through the LAN or WAN, minimizing opportunities for data thieves monitoring network traffic.

**SafeNet Borderless Security Smart Card** is validated for FIPS 140-2 Level 2, an important U.S. government certification that demonstrates the card's cryptographic strength and security. SafeNet smart card technology supports PKCS #11 and MS-CAPI interfaces, allowing for seamless integration and interoperability with applications and products from leading authentication and information security companies. Used in conjunction with SafeNet's SafeEnterprise ProtectDrive disk encryption software, SafeNet smart cards provide a strong two-factor authentication and disk encryption solution.

**SafeNet Borderless Security Single Sign-On (SSO)** is a complete software and token solution that delivers simplified and secure SSO for a full range of enterprise applications and network resources. It reduces the burden that password-based authentication environments place on users, the security implications for the organization, and the complicated implementation and management that IT administrators face working with today's password-based solutions. Borderless Security SSO allows rapid implementation of stronger access control throughout the enterprise, taking the user out of the security loop so that organizations can regain control of authentication.

For more information on these or other SafeNet products, please visit [www.safenet-inc.com](http://www.safenet-inc.com).



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