

Benefits

Compact and Convenient

Although the SafeNet Borderless Security iKey 2032 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 Borderless Security iKey 2032 USB Token offers the security of a smart card without the need for a smart card reader. Plus, there is no need to deploy and maintain costly smart card readers or special biometric devices to enhance your security applications—iKey offers smart card security without the headache.

Onboard Cryptographic Processing

Unlike other smart card or token-based authentication systems, the SafeNet Borderless Security iKey 2032 USB Token offers onboard key generation and cryptographic processing to ensure that cryptographic keys and functions remain secure at all times.

Certifications

FIPS 140-1 Level 2
RoHS
China RoHS
FCC Part 15 - Class B
CE

SafeNet Borderless Security iKey2032 USB TOKEN

Personal USB Authentication and Encryption Token

iKey™ 2032 is a compact, two-factor authentication token that provides client security for network authentication, e-mail encryption, and digital signing applications.



The SafeNet Borderless Security iKey 2032 USB Token is a USB-based portable PKI authentication token that generates and stores a private key and digital certificate on a device small enough to fit on a key chain. An extension of smart card technology, the SafeNet Borderless Security iKey 2032 USB Token simply plugs into any USB port and provides strong user authentication without the need for costly reader devices. The iKey 2032 USB Token is RoHS compliant, and is designed to support a wide range of desktop applications and portable systems. Its low-cost, compact design, and standard USB interface make it easier to deploy than cumbersome smart cards or one-time PIN tokens. Its FIPS Level 2 validated hardware and onboard key generation, key storage, encryption, and digital signing add high-assurance security to client applications.

Eliminates Weak Passwords with Two-Factor Authentication

SafeNet Borderless Security iKey 2032 USB Token brings two-factor authentication to applications where security is critical. Unlike traditional password authentication that relies on weak, easily guessed passwords, iKey 2032 USB Token requires both a physical token (the iKey itself containing the user's unique PKI key) and the user's PIN to complete the authentication process.

Supported by Hundreds of Security Applications

SafeNet has worked with software and hardware vendors to ensure that iKey offers the widest range of support for security solutions. iKey support is included in Single Sign-On/smart card login, VPN authentication, e-mail encryption, digital signatures, and many other PKI-enabled applications from leading vendors, such as Microsoft, Entrust, Computer Associates, VeriSign, and more. SafeNet Borderless Security iKey 2032 USB Token supports PKCS #11 and Microsoft CryptoAPI for easy integration into custom applications.

Validated Hardware

SafeNet Borderless Security iKey 2032 USB Token is FIPS 140-1, Level 2 validated to offer high-assurance protection for applications that require high levels of physical and operational security.

The iKey 2032 is also compliant with the European Union's Restriction on Hazardous Substances (RoHS), assuring it is free of lead and cadmium.

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Purchase a Complete Solution with Other SafeNet Products

SafeNet Borderless Security Single Sign-On, bundled with the iKey, provides strong authentication and Single Sign-On of usernames, passwords, and digital credentials stored using the iKey USB Token. Easy to install and maintain, Single Sign-On fortifies security with two-factor authentication and automated enforcement of strong password policies. The user simply inserts the token, enters a PIN, and the Single Sign-On software assumes all login and password management functions.

SafeNet Borderless Security iGate SSL VPN is the leading SSL VPN appliance, providing secure remote access to sensitive data. The SafeNet Borderless Security iKey 2032 USB Token enhances this security with two-factor authentication of the user's credentials. The iKey can store either the iGate password or a digital certificate—the user need only remember the PIN to unlock the iKey for simple and secure Single Sign-On to networks and applications.



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Technical Specifications

System Requirements

Operating Systems Supported:

- Microsoft Windows 2000, Windows 2003, and Windows XP

Cryptographic APIs

- PKCS #11 v2.01
- Microsoft CryptoAPI (CAPI) 2.0
- Microsoft PC/SC

Cryptographic Hardware Validation

- FIPS 140-1 Level 2 validated — Certificate No. 161

Cryptographic Functions

- Asymmetric key pair generation (RSA)
- Symmetric key generation (DES, 3DES)
- Hardware-secured key management and storage
- Onboard digital signing

Cryptographic Performance

- 1024-bit and 2048-bit RSA key operations
- Key generation: Less than 90 seconds with key verification
- Digital signing: Less than 1 second

Cryptographic Algorithms

Asymmetric Key Encryption

- RSA 1024-bit, RSA 2048-bit

Symmetric Key Algorithms

- DES, 3DES

Digital Signing

- RSA 1024-bit, RSA 2048-bit

Hash Digest Algorithms

- SHA-1

Additional algorithm support available

Physical Characteristics

Hardware System

- 8-bit processor
- 32K memory

Connectivity

- USB 1.1/2.0 compliant
- 1.5Mbits per second transfer

Dimensions

15.875mm x 57.15mm x 7.9375mm

ISO 7816-3 compliant

brand graphics available

