

# USB eSeal Token v2

More flexibility for Java Card Deployments



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# The USB eSeal Token v2

IIIIII Expanding Gemalto's Java Card offering for logical access control applications

The USB eSeal Token is a compact, tamper-resistant USB device that integrates a Gemalto Java-based smart card and a self-contained smart card reader. It can be used with any USB connection for Identity and Access Management applications such as network authentication, digital signatures and other services based on Public Key Infrastructure (PKI).

## Smart card security with USB convenience

The USB eSeal token combines smart card security with USB convenience to deliver the following benefits:

- **Highly secure** – advanced protection is enabled by two factor authentication: something users have – the device, and something they know – their PIN.
- **Universal access** – secure logical access control services can be used with any system having a USB connection. Support for major desktop operating systems – Windows, Mac and Linux – and both high speed and standard USB specifications means the device works with virtually any network connection.
- **Easy to use** – users simply insert the device into a USB port and enter a PIN to access onboard security applications.
- **Customizable** – USB eSeal tokens can be customized with a customer's logo and other branding

## Tamper-proof security

The USB eSeal Token is approximately the size of a standard USB thumb drive and is packaged in a rugged, tamper-evident casing suitable for use in harsh environments. It incorporates a Gemalto Java Card and an embedded smart card reader for extra convenience, especially in situations that require secure authentication when smart card readers are not available. With USB eSeal Token, only

authorized users can access the network and sensitive information, conduct secure transactions and digitally sign documents.

## Two factor authentication

USB e-Seal Token features strong authentication based on two factors: the token itself and a PIN, providing an extra level of security for the most sensitive applications. The PIN ensures the holder of the device is its legitimate owner. The USB eSeal Token offers all the power of a multi-application smart card in a USB form factor, making it an ideal solution for organizations that require a combination of security, portability, robustness and convenience.

## Empower users with a family of security applications

The USB eSeal Token offers increased flexibility and can be provisioned with Classic Client Software to support a broad range of on-board security applications. Classic Client Software is a smart card-based crypto-library that integrates Gemalto Smart Card cryptography with Public Key Infrastructure (PKI) services to bring the highest level of security, portability and convenience to logical access control solutions.

The USB eSeal Token is designed for secure storage of cryptographic keys and certificates, strong authentication, encryption, and digital signature of email and data. It also supports non-repudiation, a crucial feature for proof of financial transactions.

Typical usage includes:

- Network logon
- Computer access control
- Data protection
- Trusted document exchange
- Secure Internet and remote access
- e-Commerce and online banking

## Technical Specifications

### Operating systems supported

- Windows® 2000, XP, XP Pro x64, Server 2003 & 64 bit, Vista® 32 & 64 bits editions
- Linux Kernel 2.6 and higher, GPL license
- Mac OS X 10.5 Leopard

### API's

- PKCS#11 and CSP with Classic Client
- Microsoft® PC/SC environment with USB Shell Token v2 associated drivers <http://support.gemalto.com/>
- Operates with Microsoft CCID class driver in the box with VISTA

### Key form factor

- Dimensions: 64 mm x 16 mm x 8 mm
- Sealed tamper evident case
- Weight: 10 g

### Host interface

- Hubless, high speed USB 2.0 (12 Mbps)
- USB type A connector guarantee for 1500 insertions
- Power supply via USB port
- Operating voltage [4.4 to 5.5V]

### Human interface

- LED one color (green)

### Smart Card general features

- RSA up to 2048-bit, 72k Bytes available in TOP IM GX4 and Classic TPC IM configurations

### Environmental performances

- CE, FCC part 15 Class B
- EN60950/UL950/CSA950
- Operating: 0°C - +55°C
- Storage: -20°C - +60°C

### Standards/certifications

- ISO/IEC 7816-4, RoHS, WEEE
- Microsoft Windows Hardware Quality Labs (WHQL), Windows Logo Program WLP 2.0
- USB 2.0 full speed
- CCID - Chip/Smart Card Interface Devices 1.0