

Secure Smart Card Technology

Deepnet Smart ID™ - Virtual Smart Card for Real Smart Business

Deepnet Smart ID™ is a virtual smart card - a smart card in a software form factor, providing the same advanced security functionality as physical smart cards, but at only a fraction of the cost.

Empowered by several advanced technologies such as Device-Locking, Anti-Tampering and patent pending Digital Shield™, Smart ID is the strongest form of digital identity, providing hardware-strength digital authentication, encryption and signing, in a software form factor that is easy to deploy, simple to manage, and more cost-effective than physical smart cards.

Key Features

- Highly secure, physical smartcard level security
- Secure storage of user's credentials, keys and x509.3 certificates
- Supports PKCS #11 and MS-CAPI interfaces
- Protected by Device-Locking, Anti-Tampering and Digital Shield™
- Available for PC, USB Key, PDA and Smart Phone



Highlights

- Smart ID is as smart as physical smart cards
- Smart ID offers more protection than physical smart cards
- Smart ID is as portable as plastic smart cards

Key Benefits

- Strong, hardware-level user authentication
- Secure, digital signatures for non-repudiation
- A fraction of the cost of physical smart cards
- Easy to deploy, simple to manage

Physical Smart Card vs. Virtual Smart Card

Feature	Smart Card (Physical Smart Card)	Smart ID (Virtual Smart Card)
Form Factor	Plastic Card	<ul style="list-style-type: none"> • Computer • USB Key • PDA • Mobile Phone
Procurement	Physical dispatch	Online Download
Protection	PIN	<ul style="list-style-type: none"> • PIN • Device locking • Anti-Tampering • Digital Shield
Cost	High	Low

Smart ID offers strong authentication and guaranteed non-repudiation for sensitive applications such as online banking, stock trading, eCommerce and financial transactions.

Smart ID is smart, secure, portable and cost-effective.

Smart

Smart ID is a virtual smart card. It can be used in both PKI and non-PKI environments. Smart ID's secure RSA 1024-bit and 2048-bit key operations enable seamless integration into Public Key Infrastructure (PKI) architectures. Applications that are not PKI-based can easily use the API that Smart ID offers.

Smart ID is as smart as physical smart card.



Secure

Smart ID can hold users' personal credentials, such as private keys, passwords, digital certificates and biometrics, inside the protected environment of the internal file system. Users' private keys never leave the virtual card.

Smart ID is protected by several advanced technologies, Device-Locking, Anti-Tampering and Digital Shield. The virtual smart card can be securely locked to its hosting device such as your computer hard disk or USB key, preventing it from being stolen or copied. The data stored in the virtual smart card is digitally shielded so that it can not be deciphered, and the software itself is resistant to reverse engineering.

Smart ID offers more protection than physical smart card.

Portable

Smart ID can be securely stored on multiple devices including computer hard disks, USB keys, PDAs and smart phones.

Smart ID is as portable as plastic smart card.



Cost Effective

Smart ID is cost-effective. The virtual smart card can be easily downloaded and installed onto user's devices, saving the expense of deploying new hardware such as the plastic card. It is ideal for your corporate network online business security needs.

Smart ID costs a fraction of the expense of plastic smart card.