



# SafeCard PRO

Highly Secure credit card size  
USB Flash Drive



**Secure USB Flash Drive** combined with **safe crypto-chip** (Common Criteria) - for strong protection against physical and logical attacks.

**Smart Card's security level:** including **PKI** cryptography and **PKCS#11** interface.

**Internal 32 bits strong processor** enabling running applications inside the card - making it an **advanced platform** for multi **security usage** and **applications**.

Direct **secure tunnel** (SSL) from the card's internal processor to the (local or remote) application software - provides **antivirus** and host PC's **malware protection**.

The **credit card size** that fits easily to the wallet, full color **customized printing** and **double side USB connector** - make it the perfect and most **convenient** security tool for users.

**Walletex Microelectronics LTD. USB Cards & Solutions**

# Benefits

- Large memory **ultra slim** (<2mm) Credit Card size **USB Flash Drive card**, easily fits to the wallet
- **Robust: no moving parts, bending flexibility, waterproof**
- **Convenience:** Easy connection to PC due to WalleTex' patented double sided USB connector
- Memory encrypted by the **safe crypto-chip** (Common Criteria)
- Flexible **Memory partitioning** – Read Only, Read/Write or 'Hidden'
- **Secure access** to each partition: password, AES or PKI key
- Internal **strong processor**, running applications inside the card
- Internal **cryptographic library** ready for providing external services
- **Antivirus** and malware protection - by **Secure SSL tunnel** to the application
- **PKI tool for Digital Signatures**
- **SDK** – for easy integration with software applications.
- High quality, full color, **customized printing**
- Optional: Smart chip, RFID, Biometric...

## Multi Usage / Applications Platform

- **Private** – highly Secure USB Flash Drive, kept in the **wallet**
- **Corporate** – physical and IT security - **employee badge**
- **Medical** - secure platform for **PHR** (Personal Health Records)
- **Banking** - trusted tool for **secure remote access** to **Internet Banking**
- **Governmental** - **Digital signatures** applications
- **Military** – robust and secure USB Flash Drive – for ID card combined with PHR
- **Pre-Paid card** for remote web services



## Specifications:

Capacity	2GB, 4GB, 8GB, 16GB
HW Cryptographic Library	AES 128/196/256 bit, PKI 512/1024/2048/4096-bit RSA, Hashing 160/256bit SHA-1/2, true RNG, DES/3DES (cryptographic functions are executed internally in the crypto-chip, complying common criteria EAL4+)
Interface	Enhanced PKCS#11 plus SDK for easy integration with software applications
PKI Functions	Modulo size: 512 – 4096 bit, RSA Key Generate, RSA Signature, RSA Encrypt, RSA Decrypt
Keys Storage	Keys are stored inside the crypto-chip, on hardware level, protected against physical attacks
Identifications	Unique identification at hardware level
Partitions	Independent customized partitions; Write enabled, CD, CD Auto-run, Hidden;
Password / Secure Access	Complex / Independent for each partition; PIN/AES/PKI
USB class	Mass storage, USB 2.0 (USB 1.0 compatible)
Read/Write speed	10MBps / 8MBps-4MBps (depends on 'on the fly' encryption)
Surface Printing	Customized: Offset (bulk) or Digital (Individual)
Dimensions	Credit card format: 3.37" x 2.13" x 0.08" (w=85.6mm x h=54mm x d=1.9mm)
Weight	0.5 ounce (15 grams)
Durability	Waterproof, Temperature: -40°C – +85°C (storage) ; -10°C – +70°C (operation)
USB connector	Patented double-sided flat USB connector
OS Support	Windows 2000 SP4, Windows XP SP2+, Vista, windows 7, Macintosh OS x 10.4 (soon)
Advanced integration	Magnetic strip, Smart Card, RFID, Fingerprint scanner, numeric keypad, display, remote content updates