



MK PKI card is an advanced Cryptographic Smart Card fully compliant with ISO7816-1/2/3/4/8/9 specifications. It is specifically designed for applications requiring smart card PKI, digital signature and high-level security. Our card allows multiple secure PKI applications in one card, either with public or in-house Certificate Authority.

APPLICATIONS

- Payment system
- E-commerce
- Network Security
- Corporate Identity
- File and Disk Cryptography
- Microsoft Windows Logon
- Healthcare management
- Management of PKI systems
- Securing access to networks (Internet, Extranet, Intranet)
- E-signature and email encryption
- E-ID card application

SOFTWARE SUPPORT:

Windows (XP/2000/2003/Vista) / Network Logon, Internet Explorer, Outlook / Outlook Express, Microsoft/Open VPN, Microsoft Office, Adobe Acrobat and others (to be updated)

FEATURES

- Compliance with ISO 7816-1/2/3/4/8/9
- Supports 2 standard PKI architectures – Microsoft CSP and PKCS#11
- Supports PKCS#12, X.509 v3 certificate storage
- 32K-256K bytes of FLASH for application data
- Supports T=0 and T=1 protocol
- High baud rate switchable from 9,600 to 115,200 bps
- Configurable ATR
- Supports ISO 7816 Part 4 file structures: Transparent, Linear Fixed, Linear Variable, and Cyclic
- Support PKCS#11 version 2.01
- DES / 3DES / AES-128 bits / RSA (up to 2,048 bits) capability
- Support X.509-format digital signature
- SHA-1, SHA-256, Hashing algorithm
- Secure messaging and MAC
- Mutual Authentication with Session Key generation
- Multilevel secured access hierarchy
- Anti-tearing capability
- Accessible to card data by Active-X and Java components

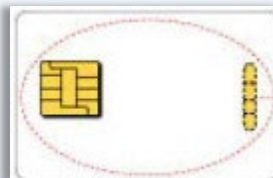
OPTIONAL:

- MK PKI-Mag: Contact card with magnetic stripe (hico/loco)
- MK PKI-Hybrid: Contact chip (32k, 64k, 72k,...FLASH memory) and Contactless Smart Card (Mifare Classic 1k or Mifare Desfire 4k; 13.56 MHz radio frequency range with read/write capability)
- MK PKI-Dualinterface: Contact and Contactless Smart Card in one chip (Mifare Classic or Mifare Desfire) and magnetic stripe (hico/loco)

MK PKI-Mag



MK PKI-Hybrid



MK PKI-Combi

