

# mToken K3 Brochure

## ADDRESS

Century Longmai Technology Co., Ltd

3/F, Gongkong Building, No.1 Wangzhuang Rd, Haidian District, Beijing, P.R China

Postcode: 100083  
Telephone: (86) 10-62323636  
Fax: (86) 10-62313636

## OFFICIAL WEBSITE

<http://www.longmai.net>

## EMAIL US

Global Sales email Address:

[info@longmai.net](mailto:info@longmai.net)

Global Support email Address:

[support@longmai.net](mailto:support@longmai.net)

## Features and Physical Characteristic



- Non-Driver, Plug and Play
- High speed SCSI protocol
- Multi-container and multi-certificate
- 64K safe data storage used to store certificates, keys and sensitive data
- Competitive speed in keypair generation, encryption/decryption, signature/validation
- Suitable for all E-Cert applications (SSL, secure email .etc.)
- Encrypt/Decrypt key stores in chip, cannot be exported ensures absolute safe
- Preload Root Certificate
- Register all certificates into IE browser
- PIN protection and strong two-factor authentication
- Auto-run website prevents phishing and virus attacks
- Standard and MINI casing optional

mToken K3 is an auto-run device that be used as a high security level USB key carrier of digital certificates and private key. With built-in 32bit smart card chip, it can provide fast identity authentication and data encryption service with the realized functions, such as e-mail encryption, digital signature, identity authentication, secure key management and transmission dispatcher .etc. Meanwhile, K3 adopts asymmetric key technology which is widely used in PKI system and can satisfy the high-end requirements in digital certificate and electronic seal.

Additionally, K3 can generate RSA keypair less than 2s, while signature only need 1819ms. All this certificate related operations, including signature and verification are implemented on board.

### System Requirements



#### Support OS

Real Plug & Play Implementation with Auto-Installed CSP and Management Tools

### Product Features

#### Cryptographic APIs

- PKCS#11 v2.2
- Microsoft CryptoAPI (CAPI)
- ISO7816 Compliant

#### Cryptographic Algorithms

- ※ RSA 1024/2048 Bit
- ※ DES, 3DES, AES
- ※ SHA-1, SHA-256, SHA-384, SHA-512, MD5

#### Cryptographic Functions

- Onboard Random Number Generator
- Hardware-Secured Key Management and Storage
- X.509 v3 Certificate Storage, SSL v3, IPSec/IKE
- Onboard Digital Signing and Verification
- Onboard Data Hashing

### Physical Characteristics

#### Hardware Certification



#### Hardware System

- 32-Bit High Performance Smartcard Processor
- 64K User Memory ( 96K Optional )
- 0MB-8MB Flash Memory
- Support for Multi-Certificate and Multi-Keypair

#### USB Connection

USB 2.0/USB 3.0

#### Humidity

0~90% ( Without Condensation )

#### Operating Temperature

0℃~70℃

#### Storing Temperature

-20℃~80℃

#### Casing Material

Metal/ABS

#### Data Retention

At Least 10 Years

#### Hardware Serial Number

32Bit Global Unique Series Number



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