

mToken CryptolD Brochure

Features and Physical Characteristic

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- Plug and Play, CCID
- Suitable for all E-Cert applications (Smartcard logon, BitLocker, SSL, secure email, VPN .etc.)
- 32-Bit High Performance Smartcard Processor
- 128K safe data storage used to store certificates, keys and sensitive data
- Competitive speed in keypair generation, encryption/decryption, signature/validation
- Encryption and decryption processes take place on-board the mToken device, minimizing the risk of performing the process locally on the host computer.
- Credentials are encrypted and stored on the device and cannot be exported
- Pre-load Root Certificate
- Lock Cert Enrollment (allow to enroll only CA cert)

Century Longmai's mToken CryptolD is a new generation smartcard chip based two-factor USB authenticator utilizing CCID drivers. CCID drivers work to protect the USB connection and are therefore less susceptible to packet sniffing thus providing stronger authentication. Moreover, the embedded Smartcard technology allows for highly robust authentication and verification deployments across multi-industry.

The IT administrators deploying mToken CryptolD benefit from a wide range of available APIs for a seamless integration with their existing, or custom authentication applications on multiple platform; in addition the end users of benefit from driverless Plug & Play operations (without need to manually install any software), which allows for unproblematic yet secure identification in web services, E-mail protection, VPN login, Windows smartcard logon for both network and local based authentication.

mToken CryptolD is certified from Microsoft HCK/HLK and automatically install drivers from Microsoft Windows Update.

System Requirements

Support OS



Product Features

Cryptographic APIs

- PKCS#11 v2.2
- Microsoft CryptoAPI (CAPI) and CNG
- ISO7816 Standard
- RSA 1024/2048 Bit

Cryptographic Algorithms

- DES, 3DES, AES128/192/256
- SHA-1, SHA-256, SHA-384, SHA-512, MD5

Cryptographic Functions

- Hardware-Secured Key Management and Storage
- Microsoft SmartCard Mini Driver
- X.509 v3 Certificate Storage
- SSL v3, IPSec/KEC, PC/SC, CCID
- Onboard Digital Signing and Verification

Physical Characteristics

Hardware Certification

CE FCC (FIPS 140-2 Level 3), EAL4+

Hardware System

- 32-Bit High Performance Smartcard Processor
- 128K User Memory
- 2MB Flash Memory
- Support for Multi-Certificate and Multi-Keypair

USB Connection

USB 1.1/2.0/3.0

Humidity

0~90% (Without Condensation)

Operating Temperature

0°C ~70°C

Storing Temperature

-20°C ~85°C

Casing Material

Metal

Data Retention

At Least 10 Years

Hardware

32Bit Global Unique Series Number

Serial Number