Features and Physical Characteristics

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- Driverless device with high security level

- Standard Micro SD/TF device

- 96K safe data storage used to store certificates, keys and sensitive data

- External 4G-16G storage capacity, exquisite packaging in Micro SD/TF

- Flexible partition: Common Data Storage, Hidden Storage

- Encrypt/Decrypt key stores in chip, cannot be exported ensures absolute safety

- Support standard Microsoft CAPI and PKCS#11 and customize interface

- Support standard PKCS#12 and X509 v3 certificate

- Suitable for carrying digital certificate and private key based on PKI

- Can be used in any mobile/tablet with SD card slot inside

mToken TF is a common SD card but integrated with PKI solution, it is mainly focused on mobile terminal PKI application. TF is a mass storage PKI carrier; independent from PC connections. With a built-in high performance smart-card chip based, it can be used conveniently in any built-in SD/TF slot device such as mobile and tablet, so TF has great adaptability. With mToken TF, user can protect sensitive data and ensure operation security by on-board algorithms: MD5, 3DES, SHA1, RSA and AES. Meanwhile, mToken TF fits international cross platform standard interfaces, so it can be used in Android, Linux, Windows, Mac .etc. Additionally, there exists 4G ~ 16G secure capacity provided for user's option.

System Requirements	
Support OS	
Product Features	
Cryptographic APIs	• PKCS#11 v2.2 • Microsoft CryptoAPI (CAPI) • ISO7816 Compliant • Android API
Cryptographic Algorithms	※ RSA 1024/2048 Bit ※ DES, 3DES, AES ※ SHA-1, SHA-256, 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 • 96K User Memory • 4G-16G Flash Memory • Support for Multi-Certificate and Multi-Keypair
USB Connection	Micro SD/TF
Humidity	0~90% (Without Condensation)
Operating Temperature	0℃~70℃
Storing Temperature	-20℃~80℃
Casing Material	N/A
Data Retention	At Least 10 Years
Hardware Serial Number	32Bit Global Unique Series Number