Next Generation Secure Token

The shift to digital life is underway; protect bad guys from accessing sensitive data

mToken IDENTITY AUTHENTICATION MANAGEMENT TOKENS

The mToken brand is used for all Century Longmai digital security token solutions for both public and private organizations - represents strength and protection of identities, data and network infrastructure. Today, business leaders are tasked with protecting their organizations from the effects of catastrophic attacks that cause significant losses in minutes and take months to discover, contain and remediate. mToken products respond to the needs for strong authentication, data loss prevention, compliance to governmental security directives and the growing demand for qualified digital signature while meeting growing end-user mobility demands.

PORTFOLIO FEATURE HIGHLIGHTS

NG Plug-&-Play Token

High speed, driverless plug-&-play USB devices featuring an intuitive user interface that requires no software set-up.

Next Generation Security

Protect remote access; network accounts credentials, confidential data, etc. with advanced data protection & authentication technology.

Cost Effective

Provides more efficient & cost-effective advanced identity and data management solution that is ready to combat security threats.

Easy to use

Support for local & remote admin management; IT Security can easily update certificates & applications running on end-users' tokens.

Versatile

Feature a strong authentication based on two/multiple factors: the token itself & a PIN, providing an extra level of security for the most sensitive applications.

Universal access

Supports for multiple operating system platforms and cross-vendor integration to enable deployments on any terminal. Windows, Linux, MAC & major Mobile OS supported*.

Customizable

Each token hardware module can be personalized to match customer brand for easy remarketing yet satisfying end-users' requirements.

Highly Scalable

Features on-board flash storage memory for data signature and file encryption - an ideal solution for organizations that require a combination of security, portability, robustness and convenience.*

* Check for details in Model Matrix

mToken UKey – ONE OF OUR TOP SELLING MODELS

Our mToken UKey product model is a hardware-security-module for authentication and cryptographic applications based on Microsoft CAPI* and PKCS#11*. The device module is designed based on a secure smart card chip and features onboard Flash Disk memory that can flexibly be partitioned or disabled (*default memory capacity is 4 GB; customizable up to 32 GB*). The device module also provides a USB port as data input/output interface as well as LED as status output interface. It is widely used as zero-footprint personal security device to protect portable data with smart card technology in eGovernment, financial and enterprise sectors for digital signature, online authentications, online transactions and software security.

Product Features

1. Driverless USB device
2. Embedded 32-bit Smart card chip
3. Global Unique Series Number
4. On-board Security Algorithm
5. DRBG Generator Support
6. 94K Secure Storage memory
7. Windows, Linux and Mac OS supported
8. MS-CAPI and PKCS#11 APIs supported
9. Multiple Layer File System
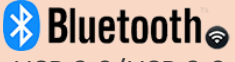

Suggested Use Cases

✓ Common PKI Application–secures application deployment with a zero-footprint token.

✓ Virtual Office - Web or Network based Application Security such as: SSL Secure Web Sign On, Single Sign On, Secure Application Sign On, Secure VPN Sign On, e-Government or e-Banking Transaction Authorization, etc. - Allows user to work remotely or from public infrastructure

✓ Enterprise IT Security - Data/File/Drive Encryption, Email Signing and Encryption, Workstation or Network Access Security, etc.

ABOUT LONGMAI CARD OPERATING SYSTEM

Longmai Card Operating System (mCOS) is Longmai's intellectual proprietary smart card operating system designed based on a combination of advanced smart card technology with public key infrastructure to provide high level security for PKI-based applications:

- Designed according to FIPS 140-2 standards.
- Meet ISO7816-4 communication standards featuring secure messaging to ensure confidentiality between token device and application
- Supports for storage of X.509 v3 digital certificates and PKCS12 certificate importing
- Onboard RSA 2048 key pair generation, signature and encryption
- Supports DES, 3DES, AES128/192/256, SHA1/SHA256/SHA384/SHA512, RSA(1024/2048)
- Supports multi-applications, multi-containers and storage of multiple certificates on one device.
- Supports custom and standard Middleware such as MS CAPI, PKCS 11

Model	K2	K3	UKey	K7	New Gen Token	Micro SD
Hardware Platform		Windows, Linux, Mac			Windows, Linux, Mac, Android	
Chip Security Level	EAL4+					
Interface / Connecter Type	USB 2.0/ USB 3.0 CCID Driverless Device	USB 2.0/USB 3.0			Bluetooth USB 2.0/USB 3.0	Micro SD/TF USB 2.0/3.0
Processor	32-bit high performance Smartcard Processer					
COS	Longmai's intellectual proprietary smart card OS designed based on a combination of advanced smart card technology with PKI* to provide high level security					
Software Platform	Driverless with CSP and Middleware Auto Install					Smart card Micro SD
Windows Smart Card Logon	YES	NO				
Middleware	Comply to PKCS#11 v2.2 & MS CAPI, hot-pluggable to IE, Mozilla Firefox, MS Outlook and Express, and many more					
Certificate Storage	Up to 10 (X.509 V3 Digital Certificate)					Up to 16 (X.509 V3 Digital Certificate)
On-board Security Algorithm	RSA, DES, 3DES, AES, SHA-256, SHA-384, SHA-512, MD5 Hardware generated 2048-Bit RSA Key Pairs. Optional Support for 3rd part algorithms					
Memory Size	64K on smart card chip *2MB on Flash for Middleware*	64K on smart card chip *4 GB/ 16 GB(Min / Max)*		64K on smart card chip *2MB on Flash for Middleware*		64K on smart card chip *Up to 16GB on Flash Storage*
Weight	8 g	11g		40g*		0.26g
Dimension	56mm*17mm*8mm	60mm*16mm*7mm		95mm*60mm*9mm		15mm*11mm*1mm
Environment	Operating Temperature: 0℃~70℃ Storing Temperature: -20℃~80℃ Humidity: 0–100% non-condensing					
Memory Cell rewrites	More than 100,000 times					
Supported OS	Windows, Linux and Mac					Android Windows Mobile
Casing	Metal/ABS	Metal		Metal	ABS	N/A
Memory Data Retention	At least 10 years					
Standards	CE FC					

Also Available
- *meDocs*   [Electronic Document Security System](#)
- *mToken*   [2fa/mfa Tokens](#)
- *mLock*   [Software License Protection Dongle](#)
- *mOTP*   [One Time Password token/agents](#)

Get started Right Away!

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This document is provided as a convenient comparison of Longmai identity authentication products. For specific model product datasheets or any other inquiries visit http://lm-infosec.com or consult from our friendly sales and professional technical support teams.

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