




authentication
done right™

»For our IT infrastructure we need strong user authentication with maximum security, compliance to existing industry standards, and high flexibility.«

CrypToken®
**The short answer to your
authentication challenges**



»We need a flexible and portable Smart Card alternative that supports common industry standards!«

»Is it possible to upload our own applets to the CrypToken?«

»Does the CrypToken meet “strong authentication” and maximum security industry standards?«

»How can we implement the CrypToken into our high level security application?«



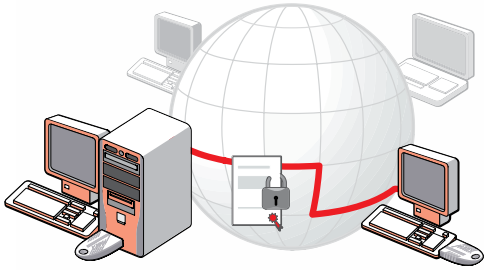
**CrypToken® —
meeting the challenges of security and
authentication.**

IT Security specialists know that today's eBusiness applications and solutions must provide flawless user identification, authentication and authorization. The CrypToken offers an unparalleled ability to support any IT security scenario. Traditional network security technologies available today are mostly based on a user name and password, which is not reliable protection against attackers.

Consider »real security« with CrypToken — Now!

Certified Smart Card Operating System

The CrypToken is available either with JCOP or MULTOS Smart Card Operating System. Both systems provide Common Criteria Certification for maximum security and the ability to load customer specific applets.



The CrypToken is ideal for a wide range of PKI solutions where secure authentication, encryption and digital signing is required.

Easy Implementation

A variety of »Application Notes« for firewalls, email clients, VPN solutions, etc. makes it easy to integrate the CrypToken into your security scenario. Support of all standard interfaces and assistance from MARX will guide you through the project from beginning to end.

Customization and OEM

The CrypToken can be customized according to your needs: loading customer specific applets, individual case design or integrating other smart card chips. We can do it.

CrypToken® – The answer to you

This makes the CrypToken® so special:

1. Runs on all operating system with CCID support; no additional drivers needed.
2. Cross-platform deployment: Windows, Linux, Mac OS.
3. Multiple applications per CrypToken supported via JCOP.
4. Short and virtually indestructible neat metal case, irradiation and water protected.
5. Certified smart card chip meets highest security standards according to Common Criteria
6. Existing JavaCard applications written for smart cards run without modification.
7. Ability to load customer specific applications and algorithms.

Smart Identification

CrypToken is the perfect choice for a wide range of PKI solutions where secure authentication, encryption, and digital signing are required. Due to its support for Microsoft CSP, PKCS#11 and Minidriver standard encryption interfaces, CrypToken integrates easily into a wide range of security solutions:

eBusiness transactions:

Secure Internet banking and financial transactions

eCommerce:

Secure B2B and B2C authentication

eGovernment:

Access control to confidential information

WebSecurity:

Secure web portal and internet/intranet identification

VPN:

Network access from remote locations

Email:

Encryption and digital signature of confidential emails

Data Security:

Encryption of sensitive information

RAS and network logon:

Access for authorized users only



Strong and reliable protection:

CrypToken integrates smart card technology into a solid metal casing. This makes the CrypToken a durable smart card alternative. Extremely suitable for industry and outdoor usage.

ur authentication demands.

Implementation based on industry standards.

The CrypToken supports Microsoft CSP, PKCS#11 and Minidriver interfaces, as well as hardware-based RSA key generation for PKI/X.509.

Email Encryption

Outlook, Thunderbird, PGP and more

PKI Support

Secure storage of Microsoft, VeriSign, RSA Keon and other CA certificates.



JCOP onboard

certified SmartCard OS for the highest security.

eBusiness Client Applications

SSL v3 compatible for Public Key Authentication with Internet Explorer, Chrome, Firefox and more.

Network- and PC security

VPN, secure logon, data encryption

CrypToken®

The short answer to your authentication challenges

Authentication based on industry standards. The CrypToken supports Microsoft CSP, PKCS#11 and Minidriver interfaces, as well as hardware-based RSA key generation for PKI/X.509

	CrypToken M2048	CrypToken MX2048
Token operating system	MULTOS	JCOP v2.4.1
Driver	no additional driver needed, if CCID OS used	
Certification smart card chip	EAL 5+, EMV, ISO7816	EAL 5+, JavaCard 2.2.1, Global Platform 2.1.1, EMV, ISO7816
Controller chip certification	WHQL (Microsoft), HBCI (Home Banking Computer Interface), EMV, ISO7816	
Smart card chip	Infineon SLE66xx series	SmartMX/JCOP21
Cryptographic standards supported	PKCS#11 v2.01, MS-CAPI, Minidriver	
Operating systems supported	Windows 7/Vista/XP/2000, Linux, MacOS X	
Memory (total)	64 KByte	80 KByte
Case & LED	designer metal case, zinc cast, LED showing the operating state, eye for key ring	
Electrical certifications	FCC, CD, RWTUEV	
Dimensions	13 x 8 x 35 mm / 0.51" x 0.31" x 1.38"	
Weight	9,25g / 0.33 oz	
Operating temperature range	0°C to +60°C / +32°F to +140°F	
Air humidity	0% to 95% relative humidity	

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