



Two-Factor Authentication for secure Business

The CryToken is the perfect base for professional Authentication-Solutions in eBusiness and eBanking

Experts know proper identification, authentication and authorization is the „Achilles heel“ of eBusiness applications. The CryToken, for eCommerce and digital signatures, is the „short“ answer for system integrators and VARs looking for a flexible and portable smart card alternative. The CryToken is the ideal complement for sensitive applications in eBusiness; commonly used in the financial and banking services arena and as part of VPN solutions used to secure access to internal data in corporate networks.

All CryToken models are portable security devices attached to a USB port, ideally suited to provide „Two-factor authentication“. The unique metal designer case is tamper proof, robust and perfectly shielded against radiation, external interception, dust and water.

Some fields of application:

- **Online Banking:**
Security for eBanking and financial transactions
- **eCommerce:**
Identification for B2B / B2C applications
- **eGovernment:**
Access control for confidential data
- **Web security:**
User identification for internet / intranet applications
- **VPN:**
Access to corporate networks for authorized users only
- **Email:**
Encryption and signature of emails
- **Data security**
Encryption of confidential data
- **RAS and network logon:**
Access for authorized users only



CrypToken®

	CrypToken® MX2048 JCOP	CrypToken® M2048 MULTOS
Internal OS	JCOP v2.4.1 (JavaCard implementation from IBM)	MULTOS® Open multi-application smart card OS
Smart Card Chip / Certification	SmartMX/JCOP41, EAL 5+, EMV, ISO7816, JavaCard 2.2.2, GlobalPlatform 2.1.1	Infineon SLE66CX, EAL 5+, EMV, ISO7816
Controller Chip / Certification	Atmel/Omnikey WHQL (Microsoft), HBCI (Home Banking Computer Interface), EMV2000 (Europay, Mastercard, Visa)	
Overall Internal Memory	80 kByte (standard)	64 kByte
Cryptographic Standards	MS CAPI, PKCS#11, Minidriver	
Ability to Load Customer Specific Applications	+	+
Firewalled on-token applications	+	+
Ability to load additional algorithms	+	+
RSA Key Generation	On Chip	
Operation Systems	Windows, Linux, Mac OS X	
Tamper Proof Hardware	+	+
Protection Against Radiation and External Interception	+	+
Connector	Standard USB Type "A"	
Electrical Certifications	FCC, CE, RWTÜV	
Casing & LED	Metal Designer Case, LED (duo color green/red), 35 mm, eye for key chain	
Dimensions	0.59" x 0.31" x 1.42", body: 0.95" (15 x 8 x 36 mm, body 24 mm)	
Weight	0.33 oz (9,25 g)	
Operating Temperature	32 to 140 °F (0 bis 60 °C)	
Humidity Rating	0-100% without condensation	
Memory Data Retention	> 10 years	
Memory Cell Rewrites	> 500.000 cycles	



CrypToken®

CrypToken Developer's Kit

The CrypToken is the perfect answer for system integrators and VARs looking for a flexible and portable smart card alternative for eCommerce and digital signatures. The Developer's Kit includes 1 CrypToken with SafeSign Middleware and software package on CDROM. It is available for \$ 65,95 (65,95 EUR) and may be returned for full refund (excl. s/h) within 45 days.

Get your CrypToken Developer's Kit here: www.cryptoken.com/kit

CrypToken Certifications



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