

CRYPTO-BOX[®]



The answer to your questions about software protection

The CRYPTO-BOX system offers secure and cost-effective software and data protection – for Windows, macOS, Linux, iOS or Android. It prevents infringements of software licensing agreements and allows to establish a versatile and professional software licensing and distribution system.

The CRYPTO-BOX ensures that every user pays for your software and intellectual property. It takes advantage of the latest achievements in hardware based protection and is streamlined for simplicity with the extensive Development Kit. In addition to software protection, the CRYPTO-BOX simplifies license management and end-user administration. Remote Update provides license renewal or extension directly on the end-user site.

THE CRYPTO-BOX can be implemented easily and fast into existing Windows EXE- or DLL files via AutoCrypt – including encryption and debugger protection. No programming knowledge or source code is needed.

The individual implementation with the Smarx[®] API into source code offers even more flexibility. CRYPTO-BOX libraries are available for all common compilers under Windows, Linux and macOS, plus support for iOS and Android mobile platforms. Customize applications according to your desired licensing scheme (e.g. if the CRYPTO-BOX is not attached, your protected application is running in demo mode with limited functionality).

The additional components Network License Control System (LCS), Online License Management (OLM) and Remote Update Management (RUMS) offer further possibilities for active customer care and generate follow-up sales for software vendors.

Ten arguments for the CRYPTO-BOX:

- Quick and easy protection of Windows applications with AutoCrypt
- Individual integration for all popular programming environments and operating systems
- Secure distributions of documents and media files with Media Protection
- On request the CRYPTO-BOX system can be adapted to customer specific requirements and platforms

CRYPTO-BOX®

- Short, robust metal case. Optional with customer logo or engraving
- 4 to 64 kB internal secure memory for licensing information
- Network capability and remote-programming
- On-chip AES/Rijndael-Encryption
- RSA support on hardware* or on driver level**

* CRYPTO-BOX SC ** CRYPTO-BOX XS



CRYPTO-BOX Evaluation Kit

Makes it easy for you to start software security and license management with the CRYPTO-BOX system. The Evaluation Kit can be tested without obligation for 45 days (evaluation period can be extended on request). It contains a full working CRYPTO-BOX (but with identical demo-codes for all customers) and the Protection Kit on CD-ROM.

Order your Evaluation Kit now:

- phone: +49 (0) 8403 / 92 95 - 19
- online: www.marx.com/eval

CRYPTO-BOX Certifications



The CRYPTO-BOX® is manufactured in an ISO 9001:2015 certified facility

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CRYPTO-BOX®

CRYPTO-BOX® - Technical Data

	CRYPTO-BOX SC (CBUR2SC)	CRYPTO-BOX XS (CBUR2XS)	CRYPTO-BOX Versa (CBUR2VS)
Controller chip	RISC Smart Card Processor with USB interface		
Controller chip certification	EAL4+, WHQL (Microsoft)		
Firmware	Proprietary MARX		
Supported operating systems	Windows, Linux, macOS, iOS*, Android* (*network mode)		
AES/Rijndael 128 bit, implemented in hardware	✓ 8 keys (more on request)	✓ 3 keys	
RSA 2048 bit support, implemented in hardware	✓ 6 keys (more on request)	- (implemented on driver level, 1 key)	-
Unique Serial Number (BoxName) per device	✓	✓	- (same number per batch)
Network support	✓ (Floating License)	✓ (Floating License)	✓ (no license management)
Memory size (total)	72 kbyte, ca. 30 kbyte free	4, 32 or 64 kbyte	4kbyte
Internal memory read / write performance	read/write: approx. 80 kbyte/s	read/write: approx. 12 kbyte/s	
User-/admin password (PIN/PUK)	up to 16 byte length		
Case & LED	designer metal case, zinc cast, LED showing the operating state, eye for key ring		
Connector	USB Type A		
Memory programming	minimum 100.000 write cycles		
Data life cycle	minimum 10 years		
Conformity and certifications	CE and FCC, RoHS		
Measurements	14 x 7 x 32,5 mm / 0.55" x 0.28" 1.28"		
Weight	7,5 g / 0.24 oz		
Temperature range	-10°C to +70°C / 14°F to 158°F		
Air humidity	0% to 95% relative humidity		

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