



The answer to your questions about software protection

The CRYPTO-BOX system offers secure and cost-effective software and data protection – for Windows, macOS or Linux. 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®OS API into source code offers even more flexibility. CRYPTO-BOX libraries are available for all common compilers under Windows, Linux, macOS and Android. Customize applications according to your desired licensing scheme. For example: if the CRYPTO-BOX is not attached, your protected application will run in demo mode with limited functionality.

The additional components Network License Control System (LCS) 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
- Short, robust metal case. Optional with customer logo or engraving
- Available with USB-A and USB-C connector
- 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



securing
the digital world™

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 full Developer's Kit (Smarx®OS PPK).

Order your Evaluation Kit now - contact us:

MARX® Software Security GmbH **MARX® CryptoTech LP**

Vohburger Strasse 68
D-85104 Wackerstein

489 South Hill Street
Buford, GA 30518, U.S.A.

Phone: +49 (0) 8403 / 9295 - 0

Phone: (+1) 770 904 0369

sales-de@marx.com

sales@marx.com

Or use our contact form: www.marx.com/en/about-marx/contact

CRYPTO-BOX® Certifications

www.marx.com/en/about-marx/regulatory-compliance



Technical Data

	CRYPTO-BOX SC (CBUR2SC)	CRYPTO-BOX XS (CBUR2XS)	CRYPTO-BOX Versa (CBUR2VS)
Controller chip	Secure Microcontroller 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 or USB Type C		
Memory programming	minimum 100.000 write cycles		
Data life cycle	minimum 10 years		
Conformity and certifications	CE and FCC, RoHS		
Measurements	USB-A: 32,5 x 14 x 7 mm / 1.28" x 0.55" x 0.28" USB-C: 22,5 x 11 x 4 mm / 0.89" x 0.43" x 0.16"		
Weight	USB-A: 7,5 g / 0.24 oz USB-C: 3 g / 0.11 oz		
Temperature range	-10°C to +70°C / 14°F to 158°F		
Air humidity	0% to 95% relative humidity		

MARX® Software Security GmbH

Vohburger Strasse 68
85104 Wackerstein, Germany

Phone: +49 (0) 8403 / 9295-0

contact-de@marx.com

MARX® CryptoTech LP

489 South Hill Street
Buford, GA 30518, U.S.A.

Phone: (+1) 770 904 0369

contact@marx.com

www.marx.com