



CRYPTO-BOX® - Technical Data

	CRYPTO-BOX SC (CBU SC)	CRYPTO-BOX USB (CBU)
Controller chip	8/16 bit RISC smart card processor, Atmel AT90SC series with USB interface	8 bit microcontroller with USB interface
Controller chip certification	EAL4+, ISO7816, WHQL (Microsoft)	WHQL (Microsoft)
Firmware	proprietary MARX	
Supported operating systems	Windows 7/Vista/XP/2000, Linux, MacOS X	Windows 7/Vista/XP/2000, Linux, MacOS X
In hardware implemented algorithms	AES 128 bit, RSA up to 2048 bit key length, more (e.g. ECC) on request	AES 128 bit (on hardware level), RSA up to 2048 bit key length (on driver level)
Memory size (total)	72 kbyte, this minimum 32 kbyte free	4,32 or 64 kbyte
Internal memory read / write performance	read/write: ca. 80 kbyte/s	read/write: ca. 1,3 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 Typ A	
Memory programming	typical more than 1 million cycle; 100.000 guaranteed	
Data life cycle	minimum 10 years	
Conformity and certifications	CE and FCC (TÜV Rheinland), RoHS, USB-Logo	
Measurements	15 x 6 x 38 mm	14 x 8 x 36
Weight	10,5 g	9,2 g
Temperature range	0°C bis +60°C	
Air Humidity	0% to 95% relative humidity	

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