



CRYPTO-BOX[®] - Technical Data

	CRYPTO-BOX [®] 2 (CBU2)	CRYPTO-BOX [®] 2000 (CBU)
Controller Chip	8/16 bit RISC Smart Card Processor Atmel AT90SC series with USB interface	8 bit microcontroller with USB interface
Controller Chip security certifications	EAL4+ , ISO 7816	WHQL (Microsoft)
Firmware	Proprietary MARX	Proprietary MARX
Supported Operating Systems	Windows Vista/XP/2000, Linux, MacOS X (in preparation)	Windows Vista/XP/2000/Me/98, Linux, Mac OS X
Algorithms implemented in hardware	AES 128 bit, RSA up to 2048 bit key length, others (i.e. ECC) on request	AES 128 bit in hardware, RSA up to 2048 bit key length (on driver level)
Memory size (total)	72Kbytes, minimum 32KBytes free	4, 32 or 64Kbytes
Read/write rate of the internal memory	Read: ca. 80Kbytes/s Write: ca. 30Kbytes/s	Read/write: ca. 1.3KBytes/s
User/Administrator Password (PIN/PUK)	Up to 16 bytes sequence	
Casing & LED	Metal Designer Case, LED displays the operating mode, eye for key ring/lanyard	
Connector	USB Type A	
Programming memory	Typically more than 1 million cycles; 100 000 guaranteed	
Data retention min.	10 years	
Electrical certifications	FCC, CE, RWTUEV, RoHS, USB Logo	
Dimensions	0.51" x 0.28" x 1.38" (13 x 7 x 35 mm)	0.51" x 0.32" x 1.38" (13 x 8 x 35 mm)
Weight	0.282 oz (8.0g)	0.326 oz (9.2g)
Temperature range	+ 32°F to + 140°F (0°C to + 60°C)	
Humidity	0% to 95% relative humidity	

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