

BALTECH ID-engine X technology supported card types

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UID (chip serial number) reading	Programmed card number plain	Programmed card number encrypted	Encrypted card number with SAM-option	Low Level Access	VHL select (reads UID)	VHL read/Write	VHL Format (Card encoding)
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		Card Type	UID (chip serial number) reading	Programmed card number plain	Programmed card number encrypted	Encrypted card number with SAM-option	Low Level Access	VHL select (reads UID)	VHL read/Write	VHL Format (Card encoding)	
ID-engine X Multi	ID-engine X 1.25	ATMEL ATAS551, ATAS575	f				f	f			
		ATMEL ATAS577	x				f	f			
		AWID Proximity/LF	x					+	+		
		Cardax	f				f	f			
		CASI-RUSCO	x	x					+	+	
		Deister	x						+	+	
		EM4100/EM4102	x						+	+	
		EM4205/EM4305	x	c					+	+	+
		EM4450/EM4550, EM4469/EM4569	x	c					+	+	+
		FDX-B	f					f	f		
		G-Prox	x						+	+	
		HID Prox	x						+	+	
		HITAG 1	x	c	n/a				+	+	+
		HITAG 2	x		n/a				+	+	
		HITAG S	x	c	n/a				+	+	+
		Indala ASP+	x						+	+	
		Indala ASP	r						+	+	
		ioProx	x						+	+	
		Keri	x						+	+	
		Miro	x						+	+	
		Pyramid	x						+	+	
		QuadraKey	x						+	+	
		Rosslare	x						+	+	
		SecuraKey	x						+	+	
		Sokymat UNIQUE	x						+	+	
	Titan	f						+	+		
	Zodiac	f						+	+		
	FeliCa	x	c					+	+	u	
	HID iClass (formerly PicoPass)	x	n/a					+	+		
	Infineon my-d proximity	x	c	s	f			+	+		
	MIFARE Classic (1k, 4k, Mini)	x	n/a	c	x			+	+	+	
	MIFARE DESFire, -EV1 (2k, 4k, 8k)	x	c	c	x			+	+	+	
	MIFARE Plus (-S, -X, L1, L2, L3)	x	n/a	c	x			+	+	+	
	MIFARE Ultralight, -C	x	c	f	f			+	+	f	
	NXP NTAG21x	x	x	f	f			+	+	f	
	ISO14443 A/B general (common examples below):	x	f		f			+	+		
	- Calypso	x	f	f	f			+	+		
	- CEPAS	x	f	f	f			+	+		
	- Rijkspas	x	n/a	f	f			+	+		
	- LEGIC advant ISO 14443	x	n/a					+	+		
	- NFC Forum Type 1-4 Tag	x	f	f	f			+	+		
	- NXP ProX	x	f	x, f	f			+	+		
	- NXP SmartMX	x	f	x, f	f			+	+		
	- OneSMART PayPass	x	f	f	f			+	+		
	- SRI512/SRT512	x	f					+	+		
ISO15693 general (common examples below)	x	c	f				+	+	+		
- EM4033, 4035	x	c					+	+	+		
- Infineon my-d vicinity	x	c	s	f			+	+			
- LEGIC advant ISO 15693	x	n/a					+	+			
- NXP ICODE	x	c					+	+	+		
- Tag-it HF-I	x	c					+	+	+		
SAM - option		FeliCa programmed number	x	c	n/a	f	+	+	u		
		HID iClass, -SIO	x	n/a	n/a	x	+	+	+		
ID-engine X LEGIC		FeliCa	x	f			t	+			
		ISO14443 A/B general	x					t	+		
		ISO15693 general	x	c				+	+		
		LEGIC prime	x	n/a	c			+	+	+	
		LEGIC advant ISO 14443	x	n/a	c			+	+	+	
		LEGIC advant ISO 15693	x	n/a	c			+	+	+	
		MIFARE Classic (1k, 4k, Mini)	x	n/a	f, s			t	+		
		MIFARE DESFire, -EV1 (2k, 4k, 8k)	x	f	f			t	+		
		MIFARE Plus (-S, -X, L1, L2, L3)	x	n/a	f, s			t	+		
		MIFARE Ultralight, -C	x	f, s	f, s			t	+		

Legend:

- x: default reading from stock
- r: raw data as received from card. No interpretation and data conversion of data read done by the reader. No checksum or parity information checked.
- c: configuration required
- f: special firmware required or might be required dependent on card details
- s: special reader hardware version required
- n/a: not applicable
- +
- u: only VHL read in unsecure mode implemented
- t: accessible via transparent command mode