

## Multi ISO Short Range USB Plug & Play Module



The HF Multi ISO Short Range USB Plug & Play Module is a contact less proximity read/write device that supports various ISO 14443A/B, ISO 15693, ISO 18000-3 and EPC RFID-devices, including the whole MIFARE® family. The module has a built in antenna. By using the USB 2.0 interface the device can be connected to a PC or any other host system easily. An integrated SAM Socket enables a state of the art security level. This RFID read/write unit is optimized for maximum data throughput rates on both, the air interface as well as the serial interface. The built in boot-loader enables firmware field upgrades via the USB interface.

### Technical Data

RF Transmit Frequency	13.56MHz		
Supported Standards	ISO14443A, ISO14443B, ISO 15693, ISO 18000-3, ICODE		
Supported Tag-ICs	MIFARE® Standard	SLE 55Rxx	Tag-it HF-I
	MIFARE® 4k	SRF55VxxP +S	Tag-it HF-I Light S
	MIFARE® Pro	SLE 66CL160S	Jewel Tag
	MIFARE® Ultralight	SLE 66CLX320P	(IRT0302B11 KSW
	MIFARE® DESFIRE	SR176	DIY Eng. Sample)
	MIFARE® SmartMX	SRIX4K	Sharp B
	I-CODE SLI (SL2ICS20)	LRI 12	ASK GTML
	I-CODE EPC (SL2ICS10)	LRI 64	ASK GTML2ISO
	I-CODE UID (SL2ICS11)	LRI 512	TOSMART P064
	I-CODE	EM4135	ISO14443A Tags
		KSW Temp Sense	ISO14443B Tags
			ISO15693 Tags
Host Communication	Point-to-Point		
Communications Interface	USB 2.0		
Communications Protocol	Specific ASCII or Binary Protocol		
Communications Param.	9600 Bit/s to 460 kBit/s, 8,N,1		
Firmware Boot-Loader	Supported Via USB Interface		
Software Driver	Virt. COM port Driver, API - DLL (VC++), PC/SC Driver for MS Win2000/XP (for Mifare and 14443-4 only)		
Power Supply	Via USB Interface		
Current Consumption	Approx. 200 mA < 1mA at power down mode		
Reading distance	up to 95 mm, depending on tag and antenna		
RF Transmission Speed	up to 848 kBit/s		
Antenna	Integrated		
Input / Output Connector	Read indicator LED, 1 I/O Port, SAM Socket		
Size (LxWxH)	117.0x67.0x15.0mm ± 1.0mm / 4.60x2.64x0.59 Inch ± 0.04 Inch		
Weight	32g ± 10% / 0.07 lb± 10%		
Operating Temperature	0°C to + 70°C / 32F to +158F		
Storage Temperature	-40°C to + 85°C / -40F to +185F		
Approvals	ETS 300-330, CE, FCC pending		
Order code	AXC322		

Datenblatt Datasheet

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