

HF Multi ISO OEM Module



The HF Multi ISO OEM Module is a contact less proximity read/write device that supports various ISO14443 A&B, ISO15693, ISO 18000-3 and EPC RFID devices, including the whole MIFARE® family. The module needs an external application specific antenna to operate. By using the serial interface the device can be connected to a controller or any host system easily. An integrated SAM Interface 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 serial interface.

Technical Data

RF Transmit Frequency	13.56 MHz		
Supported Standards	ISO14443A, ISO14443B, ISO 15693, ISO 18000-3, ICODE		
Supported Tag-ICs	MIFARE® Standard MIFARE® 4k MIFARE® Pro X MIFARE® Ultralight MIFARE® DESFIRE MIFARE® SmartMX I-CODE SLI (SL2ICS20) I-CODE EPC (SL2ICS10) I-CODE UID (SL2ICS11) I-CODE	SLE 55Rxx SRF55VxxP+S SLE 66CL160S SLE 66CLX320P SR176 SRIX4K LRI 12 LRI 64 LRI 512 EM4135 KSW Temp Sense	Tag-it HF-I Tag-it HF-I Light S Jewel Tag (IRT0302B11 KSW DIY Eng. Sample) Sharp B ASK GTML ASK GTML2ISO TOSMART P064 ISO14443A Tags ISO14443B Tags ISO15693 Tags
Host Communication	Point-to-Point		
Communications Interface	CMOS-TTL		
Communications Protocol	Specific ASCII or Binary Protocol		
Communications Parameter	9600 Bit/s to 460 kBit/s, 8, N,1		
Firmware Boot-Loader	Supported Via Serial Interface		
Software, Driver	API - DLL (MSVC++), PC/SC Driver for MS Windows 2000 / XP (for Mifare and 14443-4 only)		
Power Supply	5VDC regulated		
Current Consumption	90 200 mA depending on antenna < 10 A at power down mode		
Reading distance	up to 95 mm, depending on tag and antenna		
RF Transmission Speed	up to 848 kBit/s		

Antenna	External
Input / Output Connector	Read indicator LED, 1 I/O Port, SAM Interface
Size (LxWxH)	25.5x30.0x4.8mm ± (L/W) 0.5 (H) 1.0 1.00x1.18x0.19Inch ± (L/W) 0.02 (H) 0.04
Weight	5g ± 5% / 0.01 lb± 5%
Operating Temperature	-20°C to +80°C / - 4F to + 176F
Storage Temperature	-40°C to +85°C / - 40F to + 185 F
Order code	AXC110

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