

### HF Mifare Dual ISO OEM Module



The HF Dual ISO OEM Module is a contact less proximity read / write device that, with its interoperability capability, supports various ISO14443A and ISO14443B 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	13.56MHz		
Standards Supported	ISO14443A, ISO14443B		
Supported Tag-ICs	MIFARE® Standard MIFARE® 4k MIFARE® Pro MIFARE® Ultralight MIFARE® DESFIRE SmartMX	SLE 55Rxx SLE 66CL160S SLE 66CLX320P SR176 SRIX4K	ISO14443A Tags ISO14443B Tags Juwel Tag (IRT0302B11 KSW DIY Eng. Sample) Sharp B ASK GTML2ISO
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 Bootloader	Supported via Serial Interface		
S/W Driver	DLL and API available (VC++), PC/SC Driver for MS Windows 2000/XP		
Power Supply	5 VDC regulated		
Current Consumption	90 – 200 mA depending on antenna, < 10µA 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)	25,5 x 30 x 4,8 mm ± (L/W) 0,5 (H) 1,0 1,00 x 1,18 x 0,19 Inch ± (L/W) 0,02 (H) 0,04		
Weight	5g ± 5% / 0,01 lb ± 5%		
Operating Temperature	-20°C to +80°C / - 4F to + 17 6F		
Storage Temperature	-40°C to +85°C / - 40F to + 185 F		
Order code	AXB111		

Datenblatt Datasheet

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