

RFID Reader 125kHz/13.56MHz Multiple Technologies

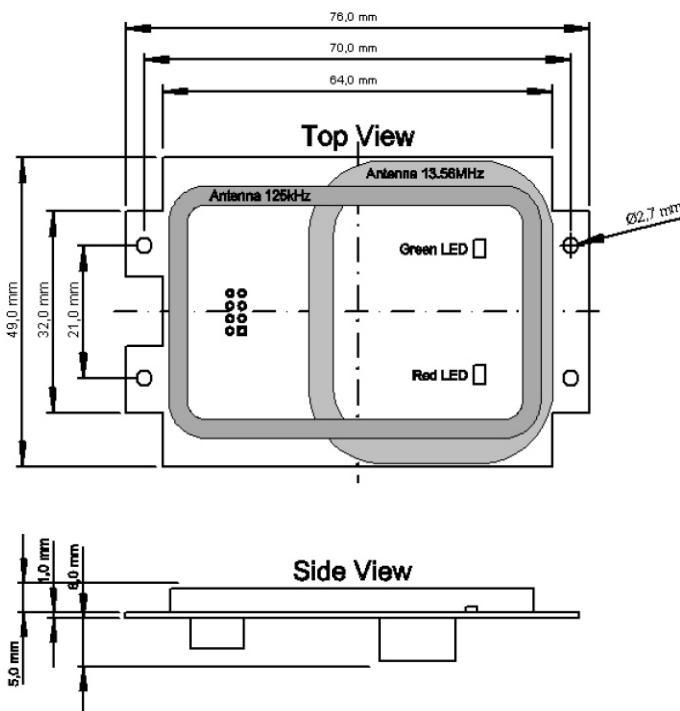
This family of transponder readers is designed for easy integration into existing applications and devices.

In order to achieve a maximum of flexibility, it is based on a modular design and combines a state-of-the-art reading performance. The device supports either USB or RS232 communication just in dependence on the connection cable.

The device is available both as ready-to-connect reader in a slim line housing or as a OEM PCB board for direct integration into existing applications.

Technical Data

	HID PROX	125kHz	Inditag	Mifare	MultISO	HID iCLASS	Legic
Housing	Material ABS, color black or white						
Frequency	125kHz			13.56Mhz			
Dimensions	88mm x 56mm x 18mm						
Power Supply	5V ± 10% via communication cable						
Suppy Current	140mA	220mA	220mA	120mA	N/A	220mA	280mA
Temperature Range	0°C up to +50°C						
Antenna	Aircoil			PCB Aircoil			
Read-/Write Distance	Up to 10cm (depending on transponder)						
Supported Transponders	HID PROX	EM410x HITAG 1 HITAG 2 HITAG S EM4150 T5567, Q5	Indala	Mifare Ultralight, Mifare Mini Mifare 1k, 4k Mifare DESfire	Mifare Family ISO14443A ISO14443B ISO15693	HID iCLASS	Legic Prime, Legic Advant



Connector CN1*	
Pin	Signal
1	USB/Supply Ground (black Wire)
2	USD Data+ (green Wire)
3	USB/Supply 5V (red Wire)
4	USB Data- (white Wire)
5	V24 RxD (Input)
6	J2-1 ^{††}
7	V24 TxD (Output)
8	J2-2 ^{††}

* Hirose DF11 series, 2mm pitch

^{††}V24 operation is achieved by either closing jumper J2 on the PCB or by connecting pin 6 and pin 8 of CN1

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