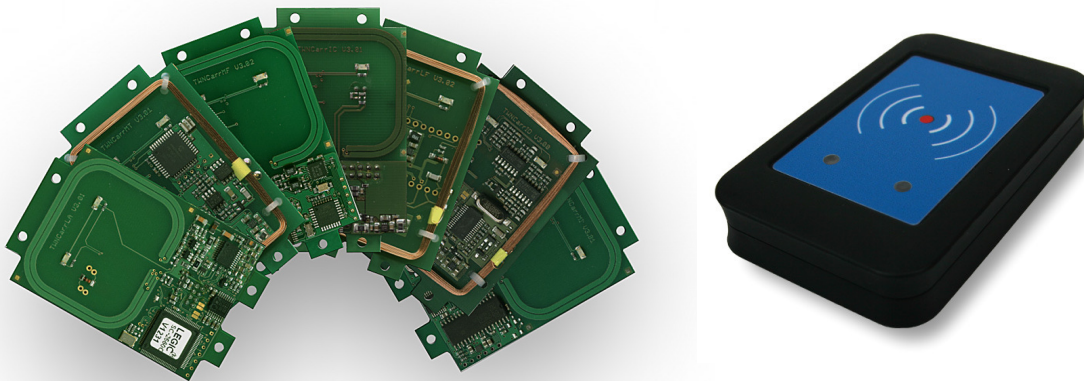


## TWN3 Reader Family 125kHz or 13.56MHz



The family of TWN3 transponder readers is designed for easy integration into various applications.

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 family of TWN3 transponder readers is available in many versions: Both as ready-to-connect readers in a slim line black or white housing or as a PCB board without housing for direct integration into embedded applications.

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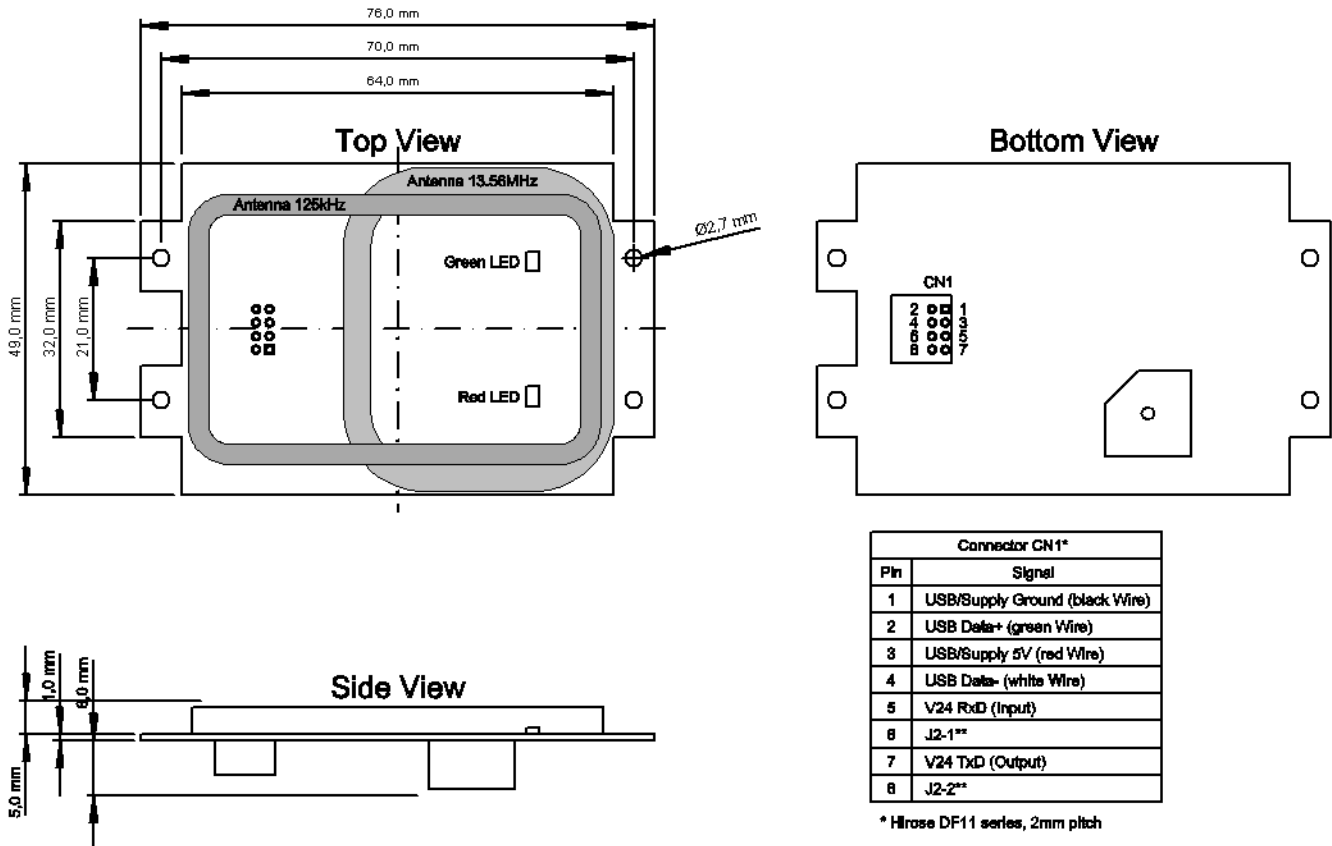
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## Technical Data

	Version HID PROX	Version Multi125	Version Inditag	Version Mifare	Version MultiISO	Version HID iCLASS	Version Legic
<b>Housing</b>	Material ABS, color black or white						
<b>Frequency</b>	125 kHz			13.56 MHz			
<b>Dimensions</b>	88mm x 56mm x 18mm						
<b>Power Supply</b>	5V ± 10% via communication cable						
<b>Supply Current</b>	140mA	220mA	220mA	120mA	N/A	220mA	280mA
<b>Temperature Range</b>	0°C up to +50°C						
<b>Antenna</b>	Aircoil			PCB Aircoil			
<b>Read-Write Distance</b>	Up to 10cm (depending on transponder)						
<b>Supported Transponders</b>	HID PROX	EM410x HITAG 1 HITAG 2 HITAG S EM4150 T5567, Q5	Indala	ISO14443A: Mifare Ultralight, Mifare Mini Mifare 1k, 4k Mifare DESfire <sup>1)</sup>	ISO14443A: Mifare Ultralight, Mifare Ultralight C, Mifare Mini Mifare 1k, 4k Mifare DESfire <b>Mifare Plus</b> ISO14443B ISO15693	HID iCLASS	Legic Prime, Legic Advant

1) Support is limited to reading of the serial number only



Connector CN1*	
Pin	Signal
1	USB/Supply Ground (black Wire)
2	USB 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.