

Data sheet

RFID ShortRange Reader

Article No.: SRR1356-00X



Picture 1 - USB ShortRange Reader



Picture 2 - USB ShortRange Reader OEM Version



Picture 1 – Possible Antenna

Description:

With the KTS USB RFID Stick you receive a fast and convenient possibility to integrate RFID functionality in your application. The stick is delivered with an integrated antenna by default.

A further version of the KTS USB RFID Stick SRR 1356-003 contains an integrated ferrite rod antenna for very small-sized transponders. As an alternative, an external antenna can be attached to Typ SRR 1356-001.

The USB RFID Stick appears as virtual COM port and is supported by every common operating system.

The “AT” instruction set enables easy and convenient control from your application. The KTS USB RFID Stick supports transponders according to ISO15693 und ISO14443A/B standards.

Via configuration software the stick can be changed into HID mode, including an emulated keyboard. The configuration chosen is permanent till it is changed and remains after the stick is switched off.

Technical Data:

Technical Specifications

Product type	HF RFID Reader			
Operating frequency	13,56MHz			
Antenna connection	- 50 Ohm SMA connector (or custom built) - integrated ferrite rod antenna			
HF-Output	100mW / 200mW switchable via software			
Power supply	5V USB Bus powered			
Power input	30mA in Stand-by; 180mA in operation			
Serial interface	USB			
Case, dimensions (LxWxH)	90x20x13 [mm]			
Weight	20g			
Display	--			
RSSI-Display	RSSI can be visualized via software			
Write/Read range	ISO 15693	ISO 14443A	ISO 14443B	Multi-Standard
HID-Mode	Yes	-	-	Yes
CDC Mode	Yes	Yes	Yes	Yes
Chip type	NXP	MIFARE Ultralight		Look left
	ICode-SLI	MIFARE SmartMX		
	TI Tag-It	MIFARE DESFire		
	Infineon EM	MIFARE DESFire EV1		
Protocoll	Easy AT instruction set to scan tags, read and write tag-memory as well as modification of hardware parameters. Switching between CDC and HID mode is possible.			
Anticollision	Ja			
Porteinbindung	- CDC: Virtual serial port - HID: keyboard Interface; no driver needed			
Others	OEM version customized with customer specific antenna design is possible. Status LED to indicate div. operational states.			
Order number	SRR1356-001 (without antenna) SRR1356-002 (with integrated antenna) SRR1356-003 (with special, integrated antenna)			

Further varieties and products by KTS:



SRR1356-001 – ShortRange Reader for external antennas



SRR1356-002 – ShortRange Reader with integrated antenna



SRR1356-003 – ShortRange Reader with integrated ferrite rod antenna suitable for small sized transponders e.g. NeoTAG



DTR1356 – DesktopReader

