Data sheet
Evaluation Board for RFID Module

Article No.: EVALB1356-00X



Picture 1 – Evaluation board equipped with RFID module



Picture 2 – Evaluation board

Description:

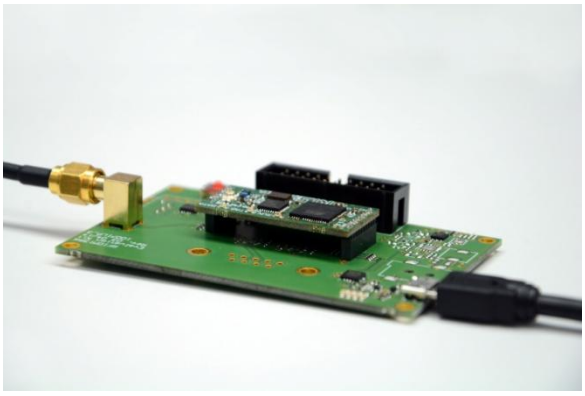
KTS offers an evaluation board with RFID module which allows an easy integration of a RFID function into an existing or a new application. The board is designed to mechanically receive and electrically connect the RFID module and thus caters for an easy startup.

The evaluation board has a female socket to receive a RFID module and a 50 Ohm SMA antenna connector to connect standard antennas. Furthermore, an interface for the connection of external multiplexers is fed via test points. Communication with a host computer is made via USB interface which also provides the power supply. The board has additionally a reset button for the RFID module.

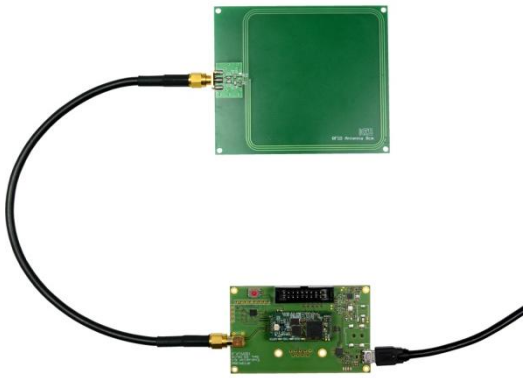
Capability characteristics:

Various antennas can be connected via a 50 Ohm SMA cable. The evaluation kit itself is connected to a PC/laptop over a USB interface where it receives data from a terminal program (integrated in all current Windows OS). Driver for the used USB / serial adapter con be download on KTS webpage. The necessary instruction set can be found on a separate data sheet.

The read out transponder information are transferred via the USB interface and visualized over the terminal program.



Picture 3 – RFID module on the evaluation kit



Picture 4 – exemplary arrangement: Evaluation kit with RFID OEM module and 5cm PCB RFID antenna

The evaluation kit can receive data from any desired terminal program. Parameters of the serial interface are factory-defined as follows:

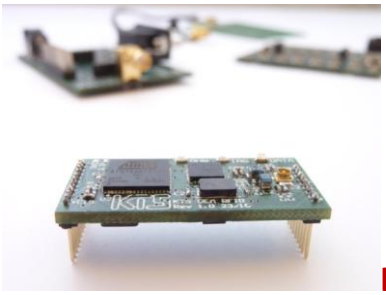
Parameters of the emulated serial interface

Baud rate	115200
Data bits	8
Parity	None
Stop bits	1

Technical data:

Technical specifications

Product type	Evaluation Kit for KTS RFID Module
Antenna connection	SMA connector 50 Ohm
Power supply	USB +5V DC (max. 500 mA)
Interfaces	USB (FT230XQ); external multiplexer via testing contacts
Dimensions (LxWxH)	90 x 60 x 20 [mm]
Parity	none
Baud rate	115200
Data bits	8
Stop bits	1

Designed for  **KTS RFID Module:**

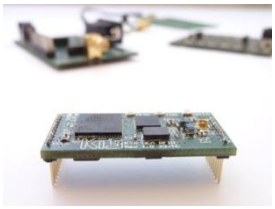
Further KTS RFID components:



SRR1356-002
– ShortRange Reader



SRR1356-003
– ShortRange Reader



RFIDM1356
- RFID OEM Module



DTR1356-001
– Desktop Reader