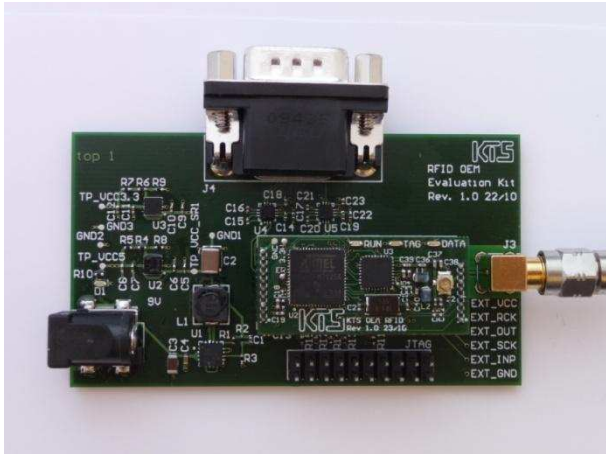


# Data sheet

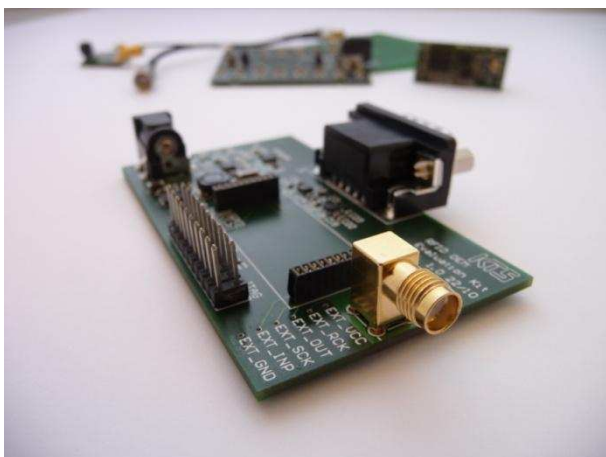
# Evaluation Board for RFID

# Module

Article No.: EVALB1356



Picture 1 – Evaluation board equipped with RFID module



Picture 2 – Evaluation board

## Description:

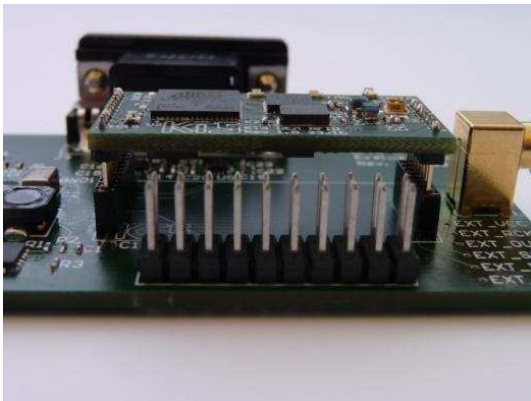
KTS offers an evaluation board with RFID module which allows an easy integration of a RFID function into an existing or a new application. The board is designed to mechanically receive and electrically connect the RFID module and thus caters for an easy startup.

The evaluation board has a female socket to receive a RFID module, a connector for an external power pack for power supply 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 a RS232 interface and a null modem cable. The evaluation kit works at an input voltage between +6V and +15V DC.

**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 RS232 interface where it receives data from a terminal program (integrated in all current Windows OS). The necessary instruction set can be found on a separate data sheet.

The read out transponder information are transferred via the serial 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:

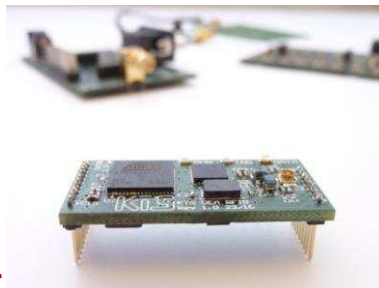
**Parameters of the serial interface**

Baud rate	115200
Data bits	8
Parity	None
Stop bits	1
Flow control	Hardware (RTS, CTS)

**Technical data:**

Technical specifications

Product type	Evaluation Kit for KTS RFID Module
Antenna connection	SMA connector 50 Ohm
Power supply	From +6V to +15V DC
Interfaces	RS232; external multiplexer via test points
Dimensions (LxWxH)	90 x 60 x 20 [mm]
Parity	none
Baud rate	115200
Data bits	8
Stop bits	1
Flow control	Hardware (RTS, CTS)



**Designed for**

**KTS RFID Module:**

**Further KTS RFID components:**



**SRR1356 – ShortRange Reader**



**MRR1356 – MidRange Reader**



**RFIDM1356 - RFID OEM Module**



**PMUX1356 – Power Multiplexer**





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