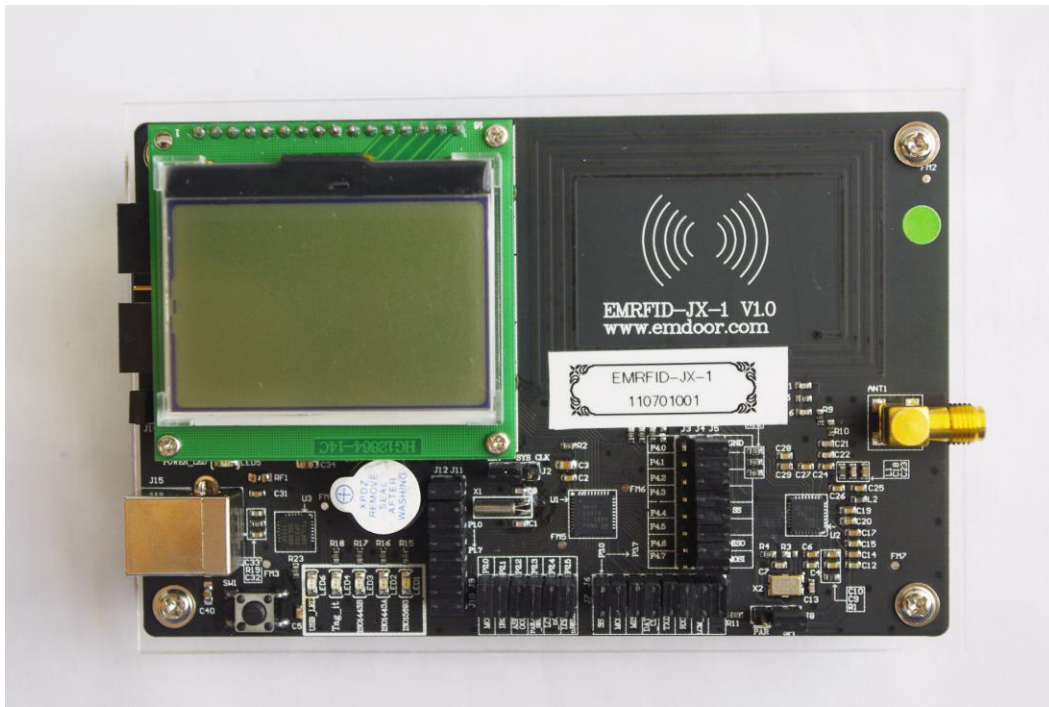


Opterna-RFID

I. Instruction

RFID teaching platform will help you to learn and assess the performance of TRF7960



multi-protocol RFID transceiver chip, and help to get a better understanding of RFID, so it allows you a quick access to the field of RFID development. The platform is applied for college and university students, researchers, research institutions and other relevant personnel working as electronic engineers.

TRF7960 includes an analog front-end, fully integrated the protocol processing unit; and supports multiple ISO standard protocols, high performance and low power consumption. It can help you to learn the most popular non-contact RF card technology, and apply to your design, in order to enhance compete.

RFID teaching platform is your ideal choice for learning, and applying.

II. Product List

Name and NO.	Image	Name and NO.	Image
RFID teaching platformX1		USB interfaceX1	
JTAG interfaceX1		emulatorX1	
RF cardX3		Resource CDX1	

III. Hardware Resource

Sweden

Phone: +46-8-58020800

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RF transceiver part - TRF7960

support the ISO 15693 standard

support ISO 144 43A standard and the ISO 14443B standard

support TI's Tag-it [™] standard (TRF7961 does not support this function)

output power can be configured by software, 100mW or 200mW

contain 13.56-MHz loop antenna and interface

pass GUI communication between standard USB cable and the computer host software

LED indicator light protocol, the LCM module display label cards protocol and the contents of codes.

Main processor part

microcontrollers use TI's MSP430 low-consumption series of MCU; faster processing speed, much lower-consumption 16-bit microcontroller MSP430F2370TRHA, its maximum computation speed can reach 16MIPS, and it is a QFN package, lower power.

Display

128x64 graphic LCD

RFID induction open wire

Communicate with all variety of radio frequency cards

Buzzer

Indicate the state of read and write card, the type of the card

LED light

Indicate the type of card

USB interface

Communicate with the PC

JTAG interface

Download and simulate program

IV. Software Resource

RFID upper monitor software—RFID Monitor

RFID underlying code

Experiment part

1. Offline test
2. Computer connecting communication
3. Computer connecting communication by ISO15693 agreement
4. Computer connecting communication by ISO14443A agreement
5. Computer connecting communication by ISO14443B agreement
6. Tag-it agreement
7. Find label
8. Set up register
9. User-defined command test