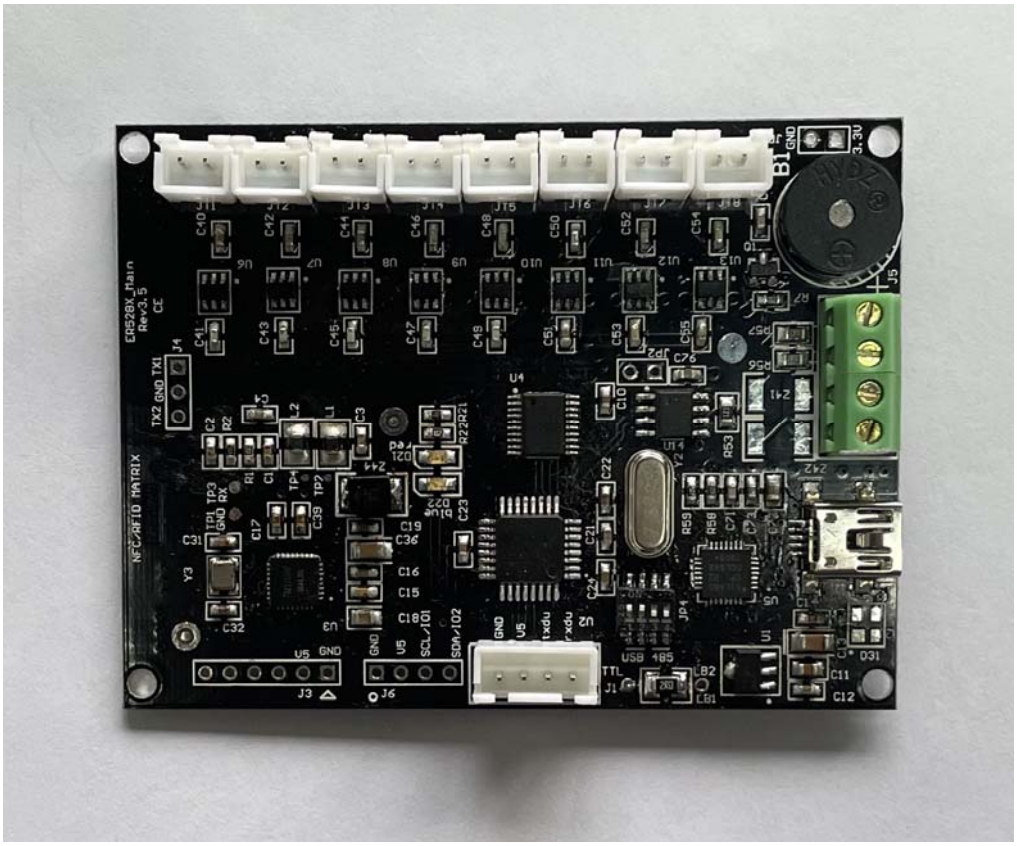
RFID Matrix ER528X



8 Channels RFID reader for Near Field Multiple Targets Identification

1. Overview

The RFID Matrix ER528 is a cutting-edge RFID card reader/writer developed based on the 13.56 MHz Contactless (RFID/NFC) Technology. It supports MIFARE®1k, MIFARE®4k, MIFARE Ultralight®, NTAG21x(NTAG213,NTAG216) and ISO 14443A compatible cards.

This device includes readers/writers, there are USB (Virtual Com Port), RS232(TTL) and RS485 for options. The user can send commands from the host to this reader, then it will start to work, include read and write commands with the RFID and NFC chips. With Software Development Kit with it, the users can develop their own programs for it.

You can program this reader working on scan mode, and it will scan all the antennas itself and upload the data to the host.

2. Applications

Product Sample Show, e-Medical, e-Shell, Multi-Objects detect.

3. Specifications

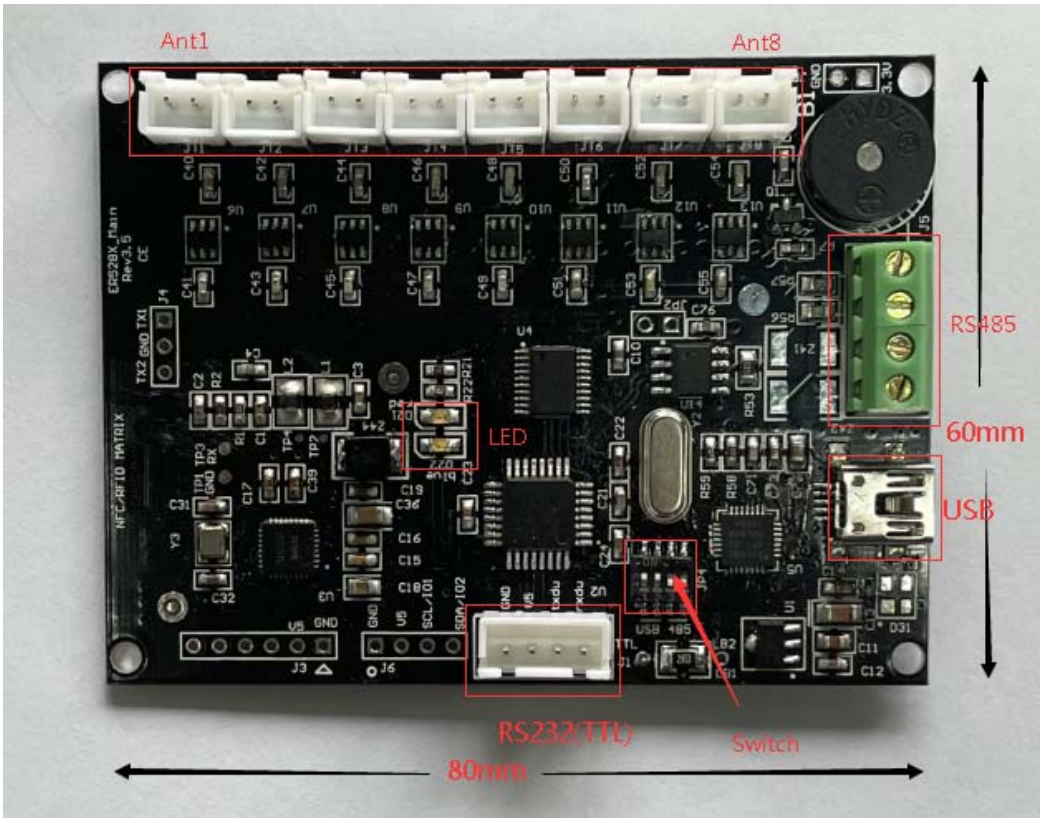


Fig 2, ER528X main board

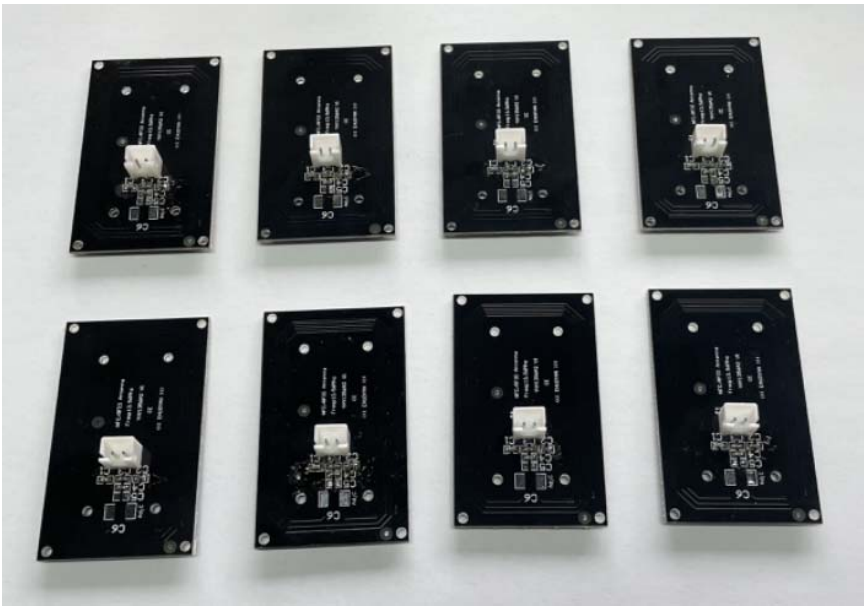


Fig 3, 8 antennas(default)

Dimensions	77mm (L) x60mm (W) x 12m (H)
Weight	20g (not including cables and antennas)
Cable length	30m(Custom Length Available)
Color	Black
Interface	USB, RS232(TTL), RS485
Baud rate	9600~115200 bps (default)
Operating Distance	Up to 8 cm (depends on the tag type)
Supply Voltage	5V(Default)
Supply Current	50mA (read card); 120mA (maximum)
Operating Temperature	-10~50 °C
Storage Temperature	-20~70 °C
Operating Frequency	13.56 MHz
RF Speed	212 kbps
Smart Card Supported	MIFARE®1k, MIFARE Ultralight®, NTAG21x
Operating System	Win XP, Win7, Win10, Linux, Android
Certifications	CE, ROHS

Warranty: One year for material/workmanship defects; see complete policy for details.

Additional Products and Accessories

YHY1356T1 YHY1356A2 YHY1356ST2

Fig 4, Different antennas

Optional:

1, 70*70mm (YHY1356T1)

2, 58*34mm (default) (YHY1356A2)

3, 25*25mm (YHY1356ST2)

4, Custom size is available

4. Ordering Information

Model	RS485	USB	UART（RS232-TTL）
ER528-XA	√	√	√
ER528-T2			√
ER528-TU		√	√
ER528-T4	√		√

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