Dual Antennas NFC Writer

ER322 Datasheet

Ordering Information	
Model No.	ER322
Name	Dual Antenna NFC Writer
Phone	86-010-80128328
Email	info@ehuoyan.com
Web	http://www.ehuoyan.com/

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1. Overview

The ER322 NFC Writer is a PC-linked contactless smart card reader/writer developed based on the 13.56 MHz Contactless (RFID) Technology. It supports MIFARE®1k, MIFARE®4k, MIFARE Ultralight®, NTAG213, NTAG216 and ISO 14443A compatible cards. This device work same as the ER302 writer, the

difference is that it has an external small antenna, use this external antenna the user can read or write continuous tags easily and will not interfere other tags near sides.
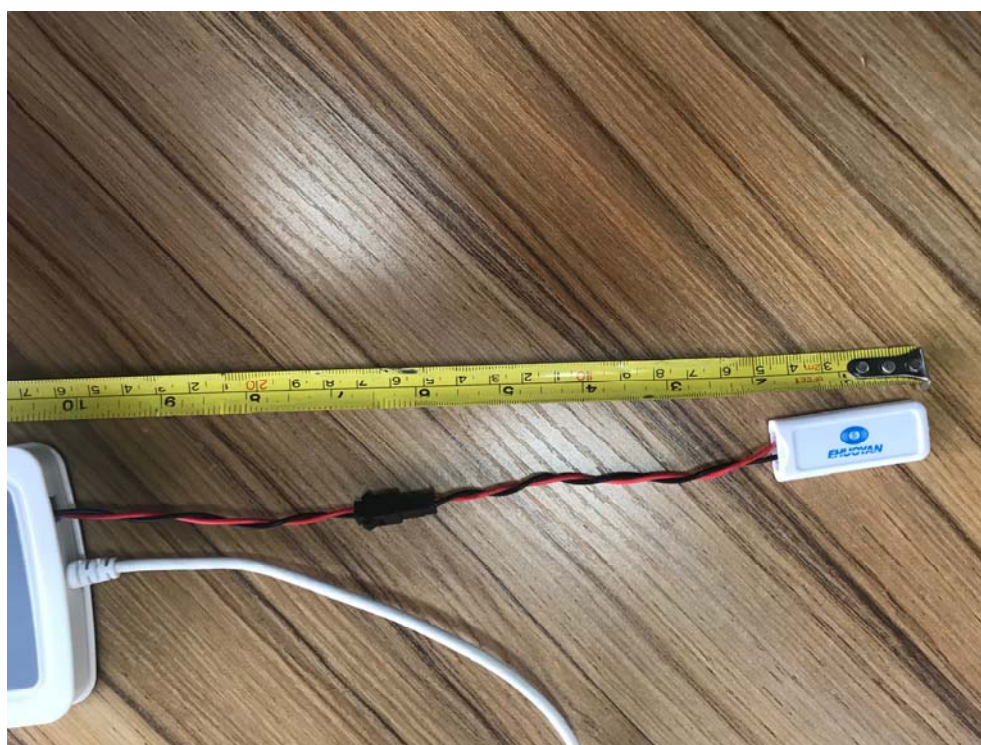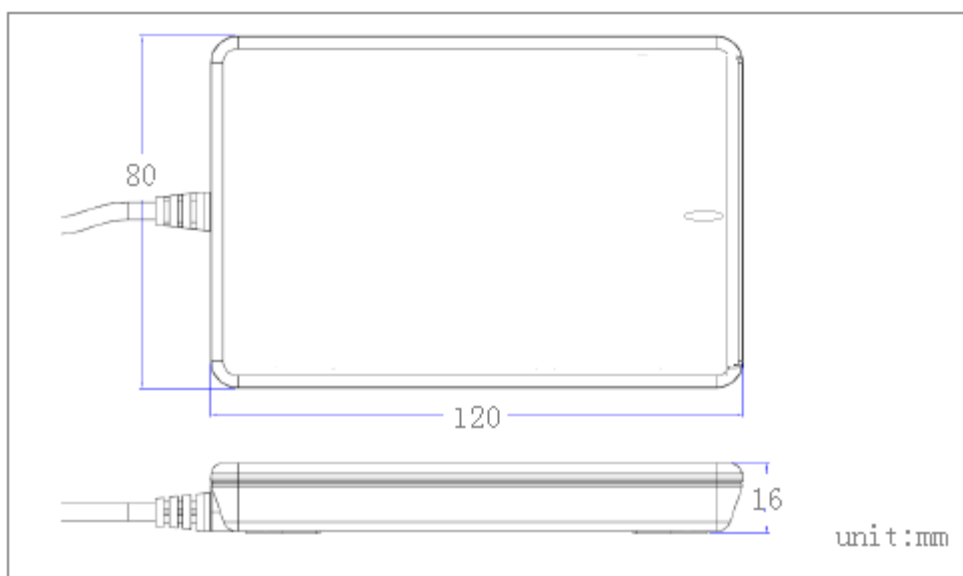
ER322 use USB port to act as a virtual COM port. The proximity operating distance of ER322 is up to 10 cm, depending on the type of contactless tag in use.

The ER322 is ideal for secure personal identity verification, access control, e-payment, e-ticketing for events and mass transit, toll road fare collection and network authentication.

2. Special Features

- Supported cards: MIFARE®1k, MIFARE®4k, MIFARE Ultralight®, NTAG21x
- RF Frequency: 13.56MHz.
- Typical time of command：<100ms
- Dual   Antennas
- Operating distance: up to 6cm
- Communications Interface: USB
- Two LED indicators (software controlled)
- Buzzer alarm (software controlled)
- Mechanic characteristics:

     - Size: 120 ×80× 16 (mm)

      - USB Cable length: 1.5m

      - External antenna cable length:20cm

     - Weight: 120g (include USB cable)

3. Technical Specifications

Dimensions	120 mm (L) x 80 mm (W) x 16 mm (H)
Antenna size	46 x 19 x 8mm
Weight	120 g (including USB cable)
Cable length	1.5m
Color	White and grey

Interface	USB (VCP)
Baud rate	115200 bps (default)
Operating Distance	Up to 6 cm (depends on the tag type)
Supply Voltage	5V DC (USB power)
Supply Current	42mA (operating); 22mA (close port); 60mA (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®4k, MIFARE Ultralight®, NTAG21X
Operating System	Win XP, Win 7, Win 10, , Linux

4. Typical Applications

✓ Bunch tags operation