



# ER301 Overview

## **1. Overview**

The ER301 RFID Reader is a PC-linked contactless smart card reader/writer developed based on the 13.56 MHz Contactless (RFID) Technology. It supports Mifare® and ISO 14443A cards.

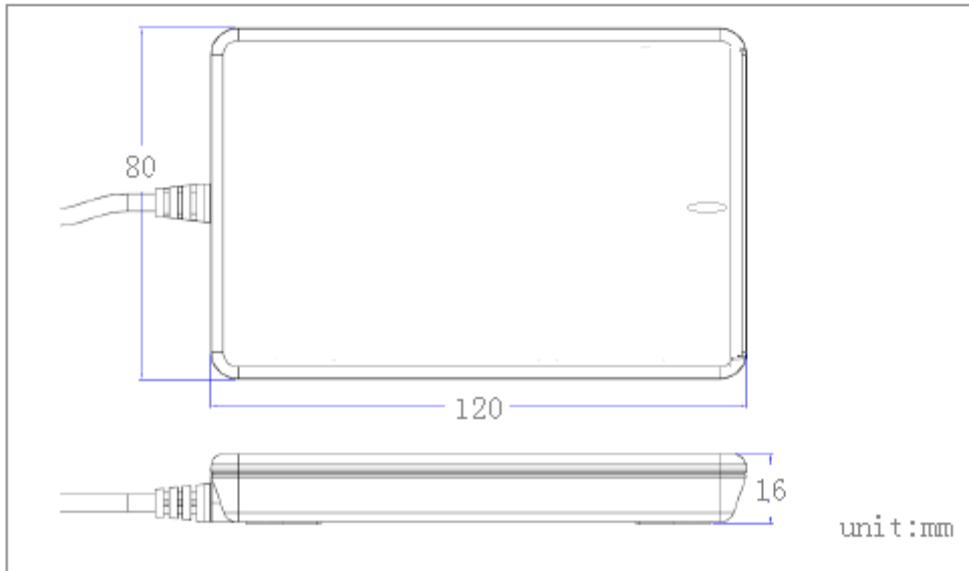
ER301 use USB port to act as a virtual COM port. The proximity operating distance of ER301 is up to 10 cm, depending on the type of contactless tag in use.

The ER301 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**

- Support ISO 14443A/Mifare\_One(S50&S70) card
- RF Frequency: 13.56 MHz.
- Typical time of command: <35ms
- Operating distance: up to 10 cm
- Communications Interface: USB
- Two LED indicators (software controlled)
- Buzzer alarm (software controlled)
- Mechanic characteristics:
  - Size: 120 x80x 16 (mm)
  - Cable length: 1.5m
  - Weight: 100g (include USB cable)

## **3. Technical Specifications**



Dimensions	120 mm (L) x 80 mm (W) x 16 mm (H)
Weight	100 g (including USB cable)
Cable length	1.5m
Color	white
Interface	USB (VCP)
Baud rate	115200 bps (default)
Operating Distance	Up to 10 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	ISO 14443A/Mifare_one S50,S70
Operating System	Win NT, Win 2k, Win XP, Win Vista, Win 7, Win 8, Linux

#### **4. Typical Applications**

- ✓ E-Payment
- ✓ E-Healthcare
- ✓ E-Game
- ✓ E-Government
- ✓ E-Ticketing
- ✓ Access Control

- ✓ Network Login
  - ✓ Transportation
  - ✓ Loyalty Program
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<b>Ordering Information</b>	
<b>Model No.</b>	ER301
<b>Name</b>	RFID Reader
<b>Phone</b>	86-010-59870151, 59754725
<b>Email</b>	<a href="mailto:info@ehuoyan.com">info@ehuoyan.com</a>
<b>Web</b>	<a href="http://www.ehuoyan.com/">http://www.ehuoyan.com/</a>