



# **User Manual**

**EC-E302D**

**EM Card Reader**

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# Chapter I: Overview

## 1 Introduction:

The EC-E302D is an advanced EM Card Reader. It Reads the EM card identification number and transmits it to connected access control software. It has a slim and attractive design and is built for convenience and portability. With its USB computer interface, it is quick and easy to install and runs without any additional power source. Designed to sit safely on any desktop, the EC-E302D is sturdily built, with surface gripping rubber feet.

### 1.1 Features

- ✧ Reads EM Card ID
- ✧ Support EM4001, EM4100 or its compatible RFID, ID Card.
- ✧ Read first 10 digits of the RFID / Proximity Card
- ✧ Bi-Colored LED
- ✧ Supports USB 2.0 Standard (compatible with USB 1.1), meets the EIA Standard.
- ✧ Support Windows 95 / 98 / 2000 / 2003 / XP / Vista / 7
- ✧ Plug and Play, Driverless Device

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## Chapter II: Technical Specifications

### 2.1 Electrical Characteristics:

<b>Operating Voltage Range</b>	5 VDC (USB Powered)
<b>Standby Current</b>	70 mA
<b>Max. Operation Current</b>	90 mA
<b>Supported Transponders</b>	EM Cards
<b>Read Card Distance</b>	5 - 8 cm
<b>Operation Frequency</b>	125 kHz
<b>Communication Speed</b>	106 Kbit/s

### 2.2 Environmental Characteristics:

<b>Operating Environment</b>	Indoor Use
<b>Operating Temperature Range</b>	-10°C to 70°C
<b>Storage Temperature Range</b>	-20°C to 83°C
<b>Relative Humidity Range</b>	0 to 90% (non-condensing)

### 2.3 Physical Characteristics:

<b>Weight</b>	140g (with USB Cable)
<b>Dimensions (L x W x H)</b>	105 x 70 x 11.8 (4.2 x 2.8 x 0.5 in.)

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## Chapter III: Product Illustrations

### 3.1 The Card Reader Interface

Interface	Mini USB
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## Chapter IV: Installation Instruction

### 4.1 Connect USB Cable with Card Reader and Computer

Mini USB port connect to the card reader and the USB port connect to the computer.

### 4.2 Card Reader Successful Connection

After the 'drip' sound and the LED light flash, if card reader connects successful.

### 4.3 Plug and Play (Driverless) on Windows OS

The card reader was self-test successful when the LED light flash. The device without install any driver, windows will automatically recognize it.

### 4.4 Finish Installation

Open MS Excel or Word, the card number would be input by self.

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**Manufacturer: EC LINE**

Thank you very much for using EC Line product

For service, please contact [service@ecline.com.hk](mailto:service@ecline.com.hk)

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