



## Pen Reader For EM4200 Compatible

### Model : PR-EM

#### 1. Introduction

PR-EM is an easy-to-use reader operating in the 125KHz frequency band.

PR-EM complies with the internationally recognized EM4102 standard. This RFID reader supports Microsoft Windows operating systems, with it's simple interface make it ideal for mobile device integrations.

#### 2. Tag Compatibilities

EM4102/EM4100/EM4200 compatible



#### 3. System Hardware Specification

Item	Specification
Communication	EM4200 transponder and compatible
Operating Distance	>1 cm depends on tag type
Operating Frequency	125KHz
Storage Temperature	-10°C to +60°C
Operating Temperature	0°C to +50°C
Host Interface	USB
Host Communication Speed	USB 1.1 / 1.5Mbps
DC Power	5.0VDC+0.5V through USB connector
Dimension	70mm x 20mm x 9.8mm

#### 4. Operating Mode

- Standard: Keyboard Reader Mode (HEX)

Under this mode of operation, reader communicates with host through the built-in USB connector.

The reader will perform the following tasks:

- The host (PC) will recognize the reader as a standard keyboard and the host system's default keyboard driver will be used. Valid character only includes 0-9 and A-F.
- Continuously try to read tag UID, only one tag can be read within antenna range at a time. No anti-collision.
- When detecting valid tag within read range, tag's UID will be sent to the host ONE TIME ONLY using standard keyboard character format. A carriage return character should be appended automatically at the end of UID to simulate the "Enter" key. Tag UID will not be transmitted to the host again until the tag is first removed.