

Contactless RFID Bluetooth Reader

Model :HY-87D

Manual

REV 1.0

directory

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◆ Product Overview

The HY-87D contactless RFID Bluetooth reader (referred to as reader after all) is 13.56MHZ-based developed the high-frequency identification devices, and through 2.4GHZ Bluetooth data transfer; the new products compact, beautiful, with any Bluetooth-enabled PDA, PC, smart phones and other devices on-line operation, providing reading and writing tasks such as labeling and data upload.

Welcome to our reader series, is familiar with the operation of the product and features prior to use, you are requested to carefully read the contents of this manual.



1. On/Off key 2. Scan key 3. LED

◆ Features:

Frequency:	13.56MHZ
Support Protocol:	ISO14443 Type A
Bluetooth Version:	V2.0+EDR
Power:	Class II
Bluetooth Status:	As a slave device
Read mode:	Automatic detection or through the scan key
Led instruction:	Charging : Green led on Charge finished: Green led off Battery low power: Red led flashing Bluetooth: Not connected, Blue led flashing fast; Connected, Blue led on. Standby: blue led flashing slowly.
Buzzer:	If read tag is successful, then produce a "Di". When the information is full, then always "Di".
Other interface:	MINI USB, use to charge or update software, or upload.
Supply:	3.7V/800mAh Li-Polymer battery.
Charge mode:	charge chip inside, and to prevent battery overcharge , over discharge.

Local storage: Can store more than 3000 UID records.
 Date/Clock function: To facilitate record-keeping at the same time, save the current record time/date; and when the main power failure, the clock continues to run.

◆ Technical Parameters

Item	Parameters
Product model	HY-87D
read/write function	read & write
RFID Frequency	13.56 MHz
Support protocol	ISO14443 Type A
Support Tag type	mifare 1 (S50, S70 etc.)
Max current	< 70 mA
Standby	< 1 mA
Bluetooth connect mode	active
Bluetooth work mode	SPP
Battery	3.7V /800MA li-polymer
Read distance	3~6 cm
Communication distance	8~10 m
Storage capacity	> 32 kBytes
Production size	81 × 48 × 18 mm

◆ Method to use

Press the "On/Off key" is about 3~5 seconds, can be switch on, When the host and Bluetooth reader pairing(default password:0000)and after a successful connection, if the machine is set in "the key trigger mode". press the "scan key", can be induced within the region of the card is read.the host then displays the tag's UID and the date/time information; if the machine is set in "automatic detection mode", it can automatically obtain the sensing area within the tag information.

In addition, provided on the tag sector read,write operation.

◆ Application

- . Application of alcohol traceability
- . Equipment patrol system.
- . Article management system application.
- . The identification system.