RX001

Dual-frequency Module

Overview

RX001 module is a non-contact dual-frequency IC and ID card reader module. It adopts advanced RF receiving circuit and embedded microcontroller design, combined with efficient decoding algorithm, to complete the data reception of the card. It has the characteristics of accurate card number recognition, no blind spot for card reading, low power consumption, high cost performance, and supports Wiegand output. Can be customized according to customer requirements, widely used in access control system, school management, community management, membership management, asset management, anti-counterfeiting control and other fields.

Models

Models	Interface	Voltage	Cards type
RX001-EM(R1265)	12V	WG26/WG34 optional	VCC GND D0 D1 WG26/34 Beeper LED

Features

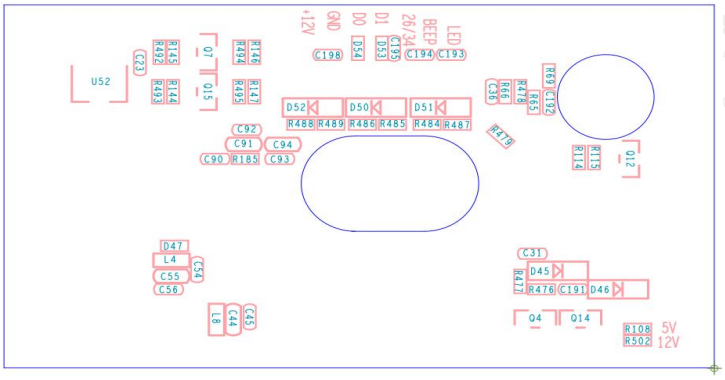
◇ Small size, easy to install;

◇ It can recognize IC cards such as S50/S70/CPU/NTAG/DESFIRE, as well as EM4100, TK series and their compatible cards。

Specifications

Params	Description
Protocol	125KHz、13.56MHz
Power	DC5V（±5%）
Operating current	<200mA
Communication Interface	Wiegand 34、Wiegand 26
Module embedding	2.54mm pitch pins
Operating distance	＞20mm（Depends on work environments and card types）
Cards type	Mifare，Ultralight，FM11RF08，FM1208（Fudan CPU card），DESFire EV1，NTAG，EM4100，TK4100 and compatible cards
Operating temperature	-10℃~+70℃
Storage temperature	-20℃~+80℃
Operating humidity	15%~90%
Size	60mm×35mm (tolerance：±3mm)

Size



Pin definition

Pin No.	Name	Description
1	VCC	Power
2	GND	Ground
3	D0	Weigand data1
4	D1	Weigand data2
5	WG26/34	Switch weigand 26/34
6	BEEPER	Buzzer
7	LED	LED

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