

125 KHZ RFID BASED READER MODULE WITH ANTENNA

MPN: - A 125

A 125 RFID 125KHz Reader Module reads & writes codes from 125KHz cards. Ideal for Security, Access Control, Personal IO Anti-For gory, Introduction Toys & Production Control.

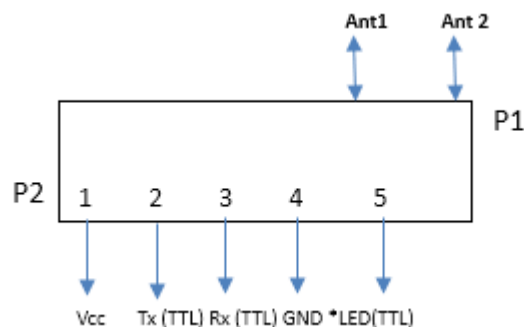
FEATURES

- Reading Distance 4 cm of the reader (Depend card shape)
- 125kHz read frequency
- 9600 baud RS232 serial interface
- Standard 2.54mm Pitch Berge strip connector
- Bread Board compatible
- Low power Requirement 7-12V @ 100mA
- Small Size
- Built in Antenna

GENERAL SPECIFICATIONS

Frequency	-125 KHz
Reading Distance	4 cm
Power requirements	7-12VDC
Current Requirement	<110mA
Communication	RS232 Serial at 9600 baud
Dimensions	40mm x 20mm
Operating temp range	-40 to +185 °F (-40 to +85 °C)

CONNECTOR PINOUT DETAILS



LED (TTL)- Normally high, 100ms low pulse on card detect, can be connected to external led with a current limiting resistor. (voltage level 3.3V)

LED(TTL)- Indicator pin can be connected to external LED or Buzzer.

READING TYPE

Option 1-- card can't be read again within the range of read antenna after read once. User must move it out of reading antenna range first, swipe card again & can be read.

TTL INTERFACE TO RS232 DATA OUTPUT FORMAT:

1.9600bps, N,8,1

1.CHECKSUM: card 10byte DATA entire do XOR operation

10 ASCII characters + 2-character checksum + 1-character Carriage return

Example: card number: FE006EA2E7

Output data:

(FE)H XOR (00)H XOR (08)H XOR (6C) H XOR (ED)H = (D5) H

THE OUTPUT DATA WILL BE FE006EA2E7D5<CR>

FE006EA2E7D5<CR>

EXAMPLE OUTPUT DATA

FE	Version Number
006EA2E7	Unique Card ID
DS	Check Sum
<CR>	Carriage return

ORDERING INFORMATION

A 125	125 KHz RFID based Reader module With Antenna
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PACKAGE INCLUDES

- 1 X RFID Reader(125Khz) - RS232
- 1 X keychain
- 1 X RFID TAG
- 1 X Antenna
- 1 X 6 pin RMC connector (2.54mm)
- 2 X 2 pin RMC connector (2.54mm)