

PUA-310

13.56MHz Mifare Contactless Smart Card Thin Model Reader



Read/Write for Mifare card (14443A type).

Reading range: 50mm~80mm.

Interfaces:RS232, TTL, RS485.

- transmit frequency: 13.56MHz
- Dimension: 116 (L) x 76(W) x 13(H) mm
- Weight: 250g
- Mounting: Surface Mount, waterproof
- Reading Range: 5cm ~ 8cm
- Operating Temperature: -15°C ~ 55°C
- Humidity: 20%~90% RH, Non condensation
- Power supply: 6 V DC~18 V DC



INSTALLATION INSTRUCTIONS

PUA-310/M2 PUA-310/M Mifare Card Reader/ Writer

● INTRODUCTION

PUA-310/M2 is designed in accordance with ISO14443 type-A standard to read and write the contact less smart card. It is easy to use as mifare card reader/writer via RS232C interface communicated with PC. It is designed for low cost and high security as well as convenience and reliability.

PUA-310/M is one of most compact indoor/outdoor Mifare Proximity Reader , which is an advanced RFID contactless reader and designed smart for connection to Wiegand input control panel in access control systems as well as identification systems. It offers top reliability and performance.

● SPECIFICATION

Dimension	: 118 (L) x 75 (w) x 13 (H) mm
Mounting	: Surface Mount. Waterproof
Reading Range	: 5~10cm
Operating Temperature	: 0℃ ~ 50℃
Humidity	: 20% ~ 90%RH. non condensing
Power Supply	: 12VDC
Transmit Frequency	: 13.56 MHz
Interface	: RS-232C, Wiegand 26 bit. Wiegand 34 bit. ABA
Weight	: 120 g ±5%

● INSTALLATION GUIDE

1. Please select an appropriate place to install the reader and mark the location of mounting holes the screw holes of the template.
2. Drill a 8 mm hole on the wall for threading the reader's cable.
3. Drill two 5 mm holes to fix the reader to the wall by using the provided screws.
4. LED's normal state is in Green when it's power on , but LED will be changed to Red when the legal card is read.
5. Normally, please make sure to connect wires of pin on. 1 to 10 for operation of the reader.
6. Please supply 5 VDC/12 VDC linear type (not switching type) power supply that is isolated from other devices.
7. Once you use a separate power supply for the reader, a common ground should be connected between the reader and control system.
8. The reader shield wire should be connected to the metal box of the controller, it's for avoiding the reader to be interfered by external environment.

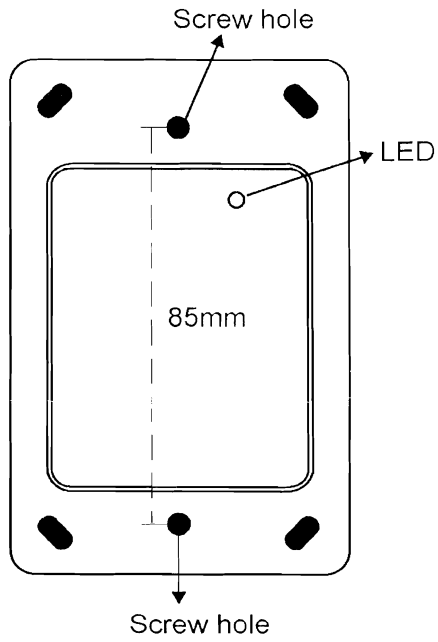
● **TRANSMISSION RATE:** 9600 bps , N . 8 , 1

● WIRE SPECIFICATIONS

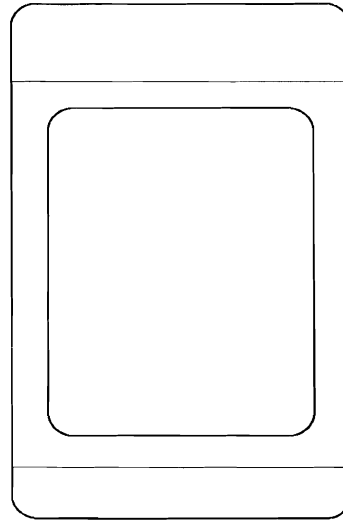
Power		DC 5V						DC 12V					
Type		M2/5V			M/5V			M2/12V			M/12V		
Interface		RS-232	Wiegand	ABA	RS-232	Wiegand	ABA	RS-232	Wiegand	ABA	RS-232	Wiegand	ABA
Pin no.	Wire Color	Wire assignment											
1	Red	DC 5V+	DC 5V+	DC 5V+	DC 5V+	DC 5V+	DC 5V+	DC 12V+	DC 12V+	DC 12V+	DC 12V+	DC 12V+	DC 12V+
2	Black	Ground	Ground	Ground	Ground	Ground	Ground	Ground	Ground	Ground	Ground	Ground	Ground
3	Yellow	TX	---	---	TX	---	---	TX	---	---	TX	---	---
4	Purple	RX	---	---	RX	---	---	RX	---	---	RX	---	---
5	Green	---	DATA0	DATA	---	DATA0	DATA	---	DATA0	DATA	---	DATA0	DATA
6	White	---	DATA1	CLK	---	DATA1	CLK	---	DATA1	CLK	---	DATA1	CLK
7	Gray	---	---	CLS	---	---	CLS	---	---	CLS	---	---	CLS
8	Brown	N.C	N.C	N.C	N.C	N.C	N.C	N.C	N.C	N.C	N.C	N.C	N.C
9	Orange	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.
10	Blue	COM.	COM.	COM.	COM.	COM.	COM.	COM.	COM.	COM.	COM.	COM.	COM.

- **OUTLOOKING**

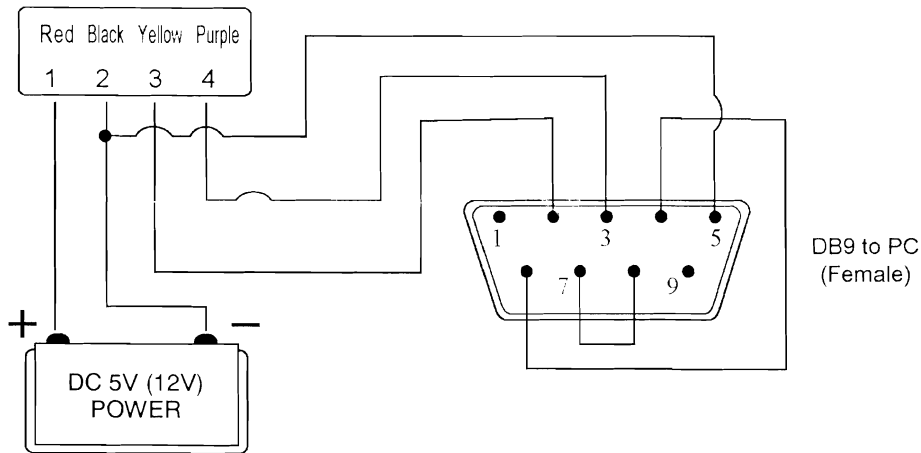
Template



Front view



- **J1-4P White Connector(for RS-232C Interface)**



Specifications subject to change without notice for further modification.