MTR2023 User Manual

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Contents

1 Introduction

This document describes how the MTR2023 works.

2 Device (picture)

2.1 Hardware

2.1.1 parts list:

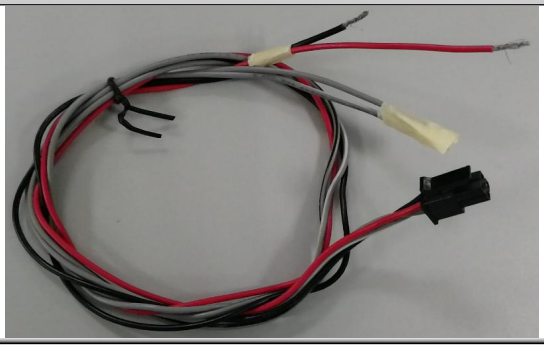
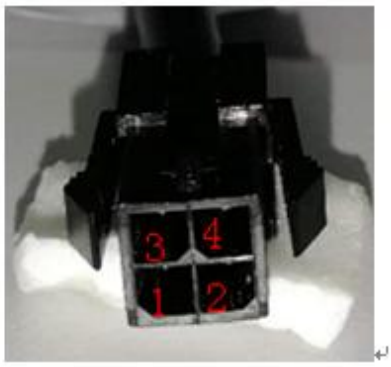
Name	Picture
Power connection	

Table 1.Parts List

2.1.2 Interface Definition

The power cable input 8-32V, red wire for positive, black wire for negative



PIN NO.	PIN name	Function Description
1	Serial TXD	Used for configuration and firmware update
2	Serial RXD	Used for configuration and firmware update
3	GND	GND
4	PWR	Primary Power 8-32V

3Getting Start

Core function

Real time read the RFID card in band of 125KHZ and band of 13.56MHZ

Item	Description
Dimension	Approximate 96*64*20mm
Weight	About 90g
Operating Voltage	DC 8V to 32V
Operating Temperature	-20℃ ~ + 80℃
RFID Frequency	125KHZ， 13.56MHZ and 5817MHz
Indicator LED	red, yellow, green

FCC warning：

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions :

(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Operating Frequency： 125 kHz,13.56 MHz,5817MHz
Type of modulation： 125 kHz: OOK,13.56 MHz: ASK，5817MHz: ASK
Antenna Type: 125 kHz: Coil Anrenna,13.56 MHz: PCB Antenna,5817MHz: PCB Antenna
Antenna Gain: 125 kHz: 0dBi(Max),13.56 MHz: 0dBi(Max),5817MHz: -2dBi(Max)