VAULT UHF DUAL FREQ LONG RANGE INTEGRATIVE READER VAULT UHF LONG RANGE INTEGRATED READER

INTRODUCTION:-

MR6111E UHF RFID reader base on new generation reader technology platform development, combine UHF RFID advanced technology and many years reader application base experience. This reader is more stable and can use in various applications.



OPERATION CONSTRAINTS:-

UHF can NOT pass through solar film with heavy metal oxide such as VKOOL. If heavy metal oxide total block UHF signal, might require user to wind down windows for about 20cm to allow UHF signal penetration into car and read card.

PROTOCOL:-

<ISO/IEC18000-6 TYPE B>
<ISO18000 Part 6 Parameters for air interface communications at 860MHz to 960MHz>
<EPC RFID Protocols Class-1 Generation-2 UHF RFID Protocol for communications at 860MHz to 960MHz>
<800/900MHz RFID Technology application implementation Regulations>



ORDER INFORMATION:-



Model :AY-MR6111E UHF LONG RANGE INTEGRATED READER

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1 EPC G2 Tag operation function

Reader Support EPC G2 tag: Multi tag query, read, write, selection, Single tag read, write, lock, kill

2 ISO18000-6B Tag operation function

Reader support ISO18000-6B Tag: Multi tag query, Single tag read, write, lock, query the lock

3 Working Parameter Setting

User can set the parameter of interface, IP address, Jump Frequency point, output power, reading indication, working mode etc. When in Timing or Trigger mode, can set the parameter of read Card type, read area, address, length, output method, output interface

4 Communication Function

Support Ethernet, RS232 and RS485 both-way communication interface protocol compliant to《UHF RFID reader and PC communication protocol V2.0》； Also reader support Wigand single way data transmission interface， format compliant to Wigand 26 and Wigand 34 interface protocol

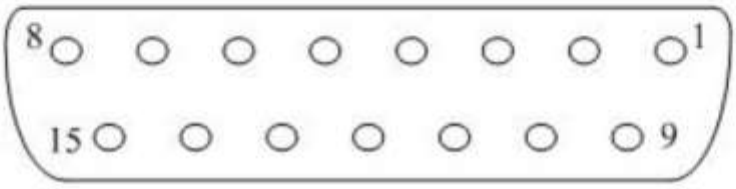
5 Off-line working mode

Support timing read or trigger read working mode all tags in query area can be read according to set address and length read data direct output or buffer. Read data can selected for filtering same tag. Output data interface can be any one of interface or multiple interface meanwhile can configure relay Data buffer have power-off function preserves.

6 Maintain and update functions

Support web network server function, can set working parameter on Web page, reader also support Serial port and RJ45 port upgrade in the application firmware

INTERFACE DEFINITION:-



DB15 pin function allocation

Pin number	Pin function
1	GPIO signal output2
2	GPIO signal output1
3	Signal Ground
4	RX(RS232)
5	TX(RS232)
6	Signal Ground
7	GPIO signal input 2(closed)
8	GPIO signal input 1
9	Signal Ground
10	A+ (RS485)
11	B- (RS485)
12	Signal Ground
13	Relay normal close port
14	Relay common port
15	Relay normal open port

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SPECIFICATION:-

Model	**AY-MR6111E**
Protocol	**ISO18000-6B/6C, EPC G2**
Frequency Range	**US（902～928MHz）, China（920～925MHz）, EU（865～867MHz）, other frequency selectable**
RF Power	**0～31dBm adjustable Sensitivity -80dBm (12dBi antenna more than 12 m）**
Reading Speed	**Multi tag-200pcs/second, single tag 2000 times/minute**
Processor	**ARM CORTEX M3 100M CPU**
Memory	**16KB tag data memory and 32KB Ferroelectric memory**
Data Interface	**100M Ethernet Interface RS232/RS485 interface Wigand 26/34 One team input and one team output（TTL）, one team Relay**
Reading Range	**MAX 6m**
Power Supply	**DC+9V～+15V**
Working Temp	**-20～60℃**
Dimension	**440mm×440mm×50mm**
Weight	**2 Kg**
Card type	**TA-80, TA-80+EM and TA-80+M1**

APPEARANCE STRUCTURE:-

