UHF reader of medium distance BT-UHFMR100

BT-UHFMR100 is an integrated RFID UHF reader of high performance. Based on the algorithm for processing digital signal efficiently, supporting the reading and writing operation with high quality and fast identification of the label.

It can be applied in many RFID systems such as logistics, access control, falsification processes and control systems on industrial production.

BIO TRACK

www.BioTrackSoftware.com

Vehicle Access Control

Advantages:

1-Auto intellectual property.

2-Compatible with labeling protocols ISO18000-6B, ISO18000-6C(EPC C1G2).

3- 865~868MHz, frequency band 902~928MHz (optional personalization of frequency)

4- Adjustable FHSS or transmission frequency.

5- RF output power up to 30dbm (adjustable)

6- 8dbi Anthena with a reading distance up to 3m-5m*

7- Auto operation, interactive and with an easy trigger activated in work mode.

8-Dissipation of low energy with only the power supply V DC 9.

9- Compatible with the connection RS232, RS485 and Wiegand interface.

*The effective distance depends on the antenna, label and the environment.

Features:

Absolute maximum degree:

Item	Symbol	Value	Unit
Source of power	VCC	16	V
Temperature On	T_{OPR}	-10~+55	°C
Temperature Off	T_{STR}	-20~+75	°C

Electrical and mechanical specification
Under TA= 25° C, VCC=+12V unless it has been specified.

Item	Symbol	Min	Type	Max	Unity
Power supply	VCC	8	9	12	V
On temperature	I_C		350	650	mA
Off temperature	F_{REQ}	902		928	MHz

Dimensions: 232x232x60 mm

Interface

Item	Comment
Red	+9V
Black	GND
Green	Wiegand DATA0（RS485 R+
White	Wiegand DATA1（RS485 R-
Brown	RS232 RXD
Yellow	RS232 TXD
Gray	Trigger input (TTL level)
Blue	GND