JT-M2320

Warehousing　Asset　Production　Waste　Energy　Retail

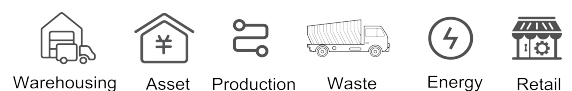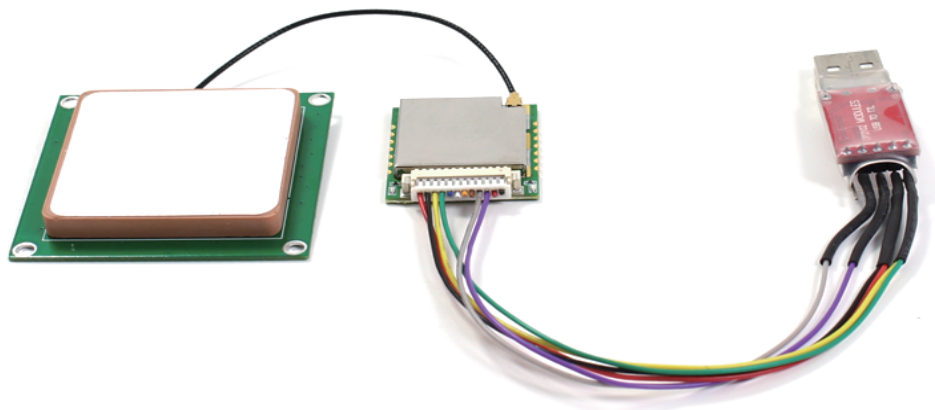## UHF RFID Module

The JT-M2320(M100) read-write module is a self-developed small size, ultra-low power consumption, read-write module.With complete independent intellectual property rights, the default working frequency band of the reader is 860-960MHz,support ISO18000-6C (EPC C1 GEN2) protocol. Easily embedded in Tablets, PDAs, etc.Handheld terminals realize the RFID expansion function of such devices and are widely used in logistics management, Product quality inspection, personnel management and other fields.
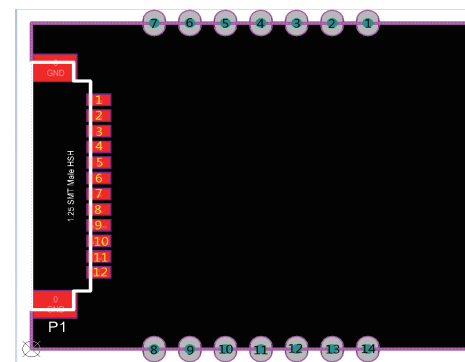
SPECIFICATIONS

RFID PARAMETER	
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	ISO18000-6C/EPC C1G2
Chip	MagicRF M100
Reading rate	>300 times/sec
RF power	12~26±1dBm(adjustable)
Reading distance	0~2m(relate to antenna, tag and environment)
Write distance	0~30cm
Antenna interface	1 way IPEX
Communication Interface	Uart(TTL)
Power supply	5V
Working power consumption	<2W
RSSI	Support
FM mode	Fixed/hopping
SDK	Demo&C++,C#,JAVA,Android SDK
USE ENVIRONMENT	
Operating Temp.	-40° C~+75° C
Storage Temp.	-40° C~+85° C
Humidity	5-90% non-condensing (+25° C)
PHYSICAL PARAMETERS	
Dimensions	31.17(L)*26(W)*3(H)mm

(with 40mm 3dBi Santenna and USB,reading distance 0-2m)

I/O DEFINITION

TYPE	NO.	NAME	DEFINITION
LCC	1	GND	Ground
	2	BEEP	Buzzer control foot
	3	IO4	GPIO interface
	4	IO3	GPIO interface
	5	EN	Power enable pin
	6	GND	Ground
	7	+5V	Power input
	8	+5V	Power input
	9	GND	Ground
	10	TXD	TTL serial port transmission
	11	RXD	TTL serial port receiving
	12	LED-OUT	LED status indicator pin
	13	ANT	Antenna interface
	14	GND	Ground
WF type P1 interface	1	GND	Ground
	2	GND	Ground
	3	+5V	Power input
	4	+5V	Power input
	5	EN	Power enable pin
	6	IO3	GPIO interface
	7	IO4	GPIO interface
	8	BEEP	Buzzer control foot
	9	RXD	TTL serial port receiving
	10	TXD	TTL serial port transmission
	11	GND	Ground
	12	LED-OUT	LED status indicator pin