

SPEEDWORK

Make identification easier

# JT-8380

MIDDLE DISTANCE UHF RFID  
INTEGRATED READER(SINGLE  
TAG)



# JT-8380 Middle Distance UHF RFID Integrated Reader



# SPEEDWORK

J I E T O N G

## SPECIFICATION

Working frequency 902-928MHz(US),865-868MHz(EU)

Protocol EPC C1 Gen2,ISO18000-6C

Size 208\*208\*46mm

Weight About 2kg

Shell material ABS and aluminum alloy

RF power 0~30dBm(Software adjustable)

Reading distance Stable 0-5m(depend on antenna and environment)

Antenna gain 8dBi circular polarization

SDK Demo and C++,C#,JAVA,Android

I/O interface 1 trigger input and 2 relay outputs(customized)

Special Low temperature treatment in some cold area

Communication port RS232,RS485,WG(standard),TCP/IP(optional)

RS232 baud rate 115200 bps (default)

Power supply DC 24V or 12V/3A

Peak current 500mA

Storage humidity 5%~95% RH non-condensing

Storage Temp. -30°C~+80°C

WorkingTemp. -20°C~+65°C

JT-8380C RS232,RS485,WG

JT-8380B RS232,TCP/IP,WG

## Introduce:

JT-8380 is a new generation of ultra high frequency (UHF) electronic label reader developed by our company. Compatible with FCC ISM (902~ 928MHz) standard ETSI (865.6~867.6 MHz) (customer needs to be customized), used to read and write ISO18000-6C (EPC C1 GEN2) electronic tags. JT-8380 provides API functions suitable for specific applications to facilitate users' secondary development. And integrated network interface, with management software and database, can be easily and quickly applied to warehousing logistics, VMI-HUB, pallet management, flow board management, production line work piece control, material control, identification, access control and other fields.

**Shenzhen Jietong Technology Co.,Ltd**

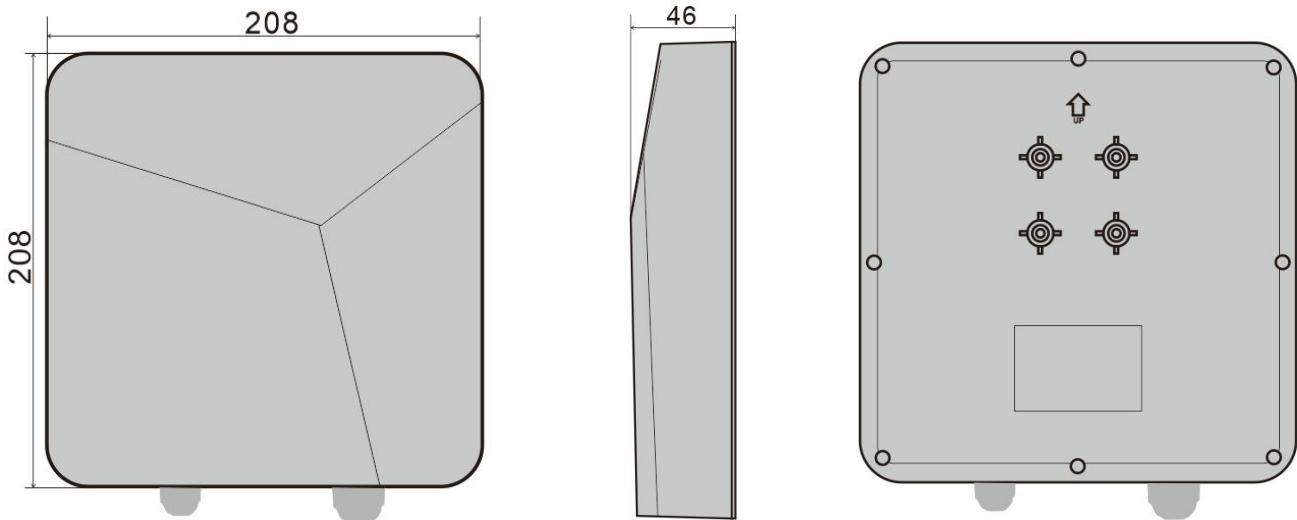
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# JT-8380 STRUCTURE



## FEATURES

- This product has a fast reading rate and a waterproof appearance design, which meets the requirements of the harsh working environment;
- With high stability, 60×24 hours high temperature copy machine, uninterrupted and stable operation;
- Support multiple communication methods such as RS485, RS232 and Wiegand26/34;
- The output power is adjustable up to 30dbm, and supports multiple working modes such as timing mode, master-slave mode, trigger mode, etc.;
- Excellent anti-interference performance and circuit lightning protection design;
- Use standard API interface, provide DEMO and source code, support C#, VC, VB, JAVA and other development routines, easy to integrate with RFID software;
- Suitable for applications: vehicle access control, automatic toll collection without stopping, personnel access control management, logistics monitoring, production automation management and other fields.

# Interface Description

Pic	Name	Dec
	RS232	Serial communication
	RJ45	Network port(TCP/IP) communication
	Power	DC12V power connector

## Certificate



### CERTIFICATE Of Conformity

Directive 2014/53/EU

On The Radio Equipment Directive

Registration No.: AT011607936S

Report No.: R011607936T, R011607936E, R011607936H

Applicant : Shenzhen Jietong Technology Co., Ltd., A-3F, Beiwang Building, Shaha West Rd 5288, Nanshan District, Shenzhen, China

Product : UHF RFID Reader

Identification : Model No. : JT-8280B, JT-8280A, JT-8280C, JT-8280W, JT-8282A, JT-8280, JT-8288W, JT-8290A, JT-8290B, JT-8290W

Trade Mark : N.A.

Rating : DC 12V, 3A

Test Standards : Radio EN 302-288-1 V2.1: 2015, EN 302-288-2 V2.1: 2015, EN 300-224-1 V1.1: 2014+A1: 2014+A2: 2013, EN 301-489-1 V1.8.2: 2011, EN 301-489-9 V1.6.1: 2013

Health EN 62311: 2008

The certificate of conformity is based on an evaluation of a sample of the above mentioned products. Technical data and samples are at the applicant's disposal. This is to verify that the tested sample is in compliance with the requirements of article 3 of the Radio Equipment Directive 2014/53/EU. The certificate does not imply assessment of the production and does not permit the use of Lab's logo. The applicant of the certificate is authorized to use this certificate in connection with EU declaration of conformity to article 18 of the Directive.



Certified by

  
Tom Chen  
Manager

Oct. 19, 2016

Date



The CE Marking may only be used if all relevant and effective EU Directives are complied with



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### HIC CERTIFICATION

#### QUALITY MANAGEMENT SYSTEM CERTIFICATE

This is to certify that the Quality Management System of

SHENZHEN JIETONG TECHNOLOGY CO., LTD.

Registered Address: 4/F, Building 8, Line Industrial Park, No.1038 Songbai Road, Xili Street, Nanshan District, Shenzhen City, Guangdong Province

Business Address: 4/F, Building 8, Line Industrial Park, No.1038 Songbai Road, Xili Street, Nanshan District, Shenzhen City, Guangdong Province

by reason of its

Quality Management System

has been awarded this certificate for compliance with standard

GB/T19001-2016 idt ISO9001:2015

for the

Design, manufacture and related management activities of radio frequency identification equipment (reader)

Certificate No.: HIC-QM-005  
United Social Credit Code: 914403005731052165  
Date of initial certification: 20 Feb 2019  
Date of issue: 20 Feb 2019  
Certificate Expiry: 19 Feb 2022



This certificate is subject to regular surveillance audit by HIC and if the certificate is marked with a qualified sign it indicates that the certificate holder has passed the surveillance and keeps the registration.

The certificate information is also available on the CHCA official website: <http://www.chca.gov.cn>

HIC Certification Service

21E Baihu Building South Block, No.3019 Sungang East Road, Luohu District, Shenzhen City, Guangdong Province, China. Tel: +86-13951000000

# Application

Trash management



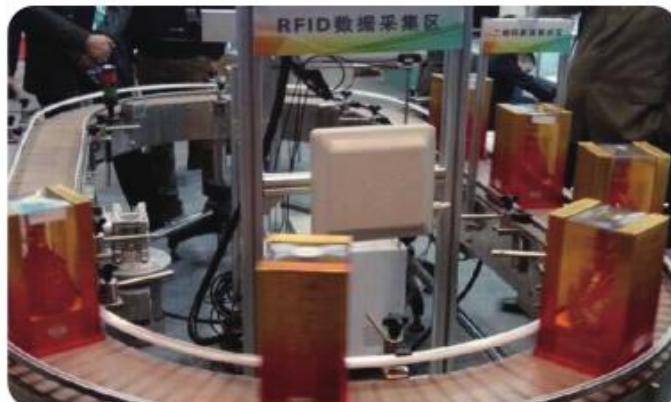
Personnel Management



Fire truck management



Production line management



Weighing management



Motorcycle management



## 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.