

**Product name: mid-range RFID reader**

**JT-8280A**



## INTRODUCTION:

Integrated, high performance 8dBi circular polarization antenna ensure long-range reading & writing and easy installation.

## PRODUCT FEATURE:

Protocol support: ISO 18000-6B or ISO 18000-6C(EPC Gen2).

TEL: 86-755-86634280/23060115 Ext:812

FAX: 86-755-23067660

EMAIL: [marketing@jt-rfid.com](mailto:marketing@jt-rfid.com)

SKYPE: jietong-anne

WEB: [www.jt-rfid.com](http://www.jt-rfid.com)

Super anti-interference ability for its FHSS frequency working method.

Software with different Programming language allows easy upgrade.

Waterproof and sunshine defending, idea for outdoor applications.

All kinds of communication interfaces and customizing is available too.

## SPECIFICATION:

Working frequency	902 ~ 928 MHz
Protocol	ISO18000-6C ( EPC G2 )
Software	Provide C #, VC development of routines
SDK	Provides SDK with programming samples
Communication port	RS232, TCP/IP, WG(RS485, WIFI customized)
Reading Range	3-6meters (test with 9662 card)
Power smoothness:	<0.5 DB
RF power range	0~30 dBm, Adjustable by software
Input/output	1 road trigger input and 1 road relay output
Working temperature	-45°C~+95°C (-49°F~ 167°F)
Storage Temperature:	30°C~+65°C (-58°F~ 185°F)
RSSI	RSSI signal strength detection label
Power	DC 7.5V-12V,3A

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Weight	5KG
Size	220×220×50MM

## WIRING DIAGRAM:

Power	GND	485A+	485B-	WG DATA0	WG DATA1	Trigger T+	Trigger T-	RS232 RXD	RS232 TXD	GND
Red	Black	Brown	Orange	Yellow	Grey	Rose red	Black	Puple	White	Black

## APPLICATION:

Intelligent traffic such as ETC;

Customs border-crossing, parking lot, automatic weighting;

Logistics such as container management, pallet management, asset tracing etc;

Ticketing& access control ;

Pharmaceuticals such as medical waste management ,etc.

## FCC STATEMENT :

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.

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**Warning:** 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.

### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.