



JZC TELECOM
Technology

Shenzhen JZC TELECOM Technology CO.,LTD.

JZX896A/B Micro Power Wireless Module

User's Manual



JZX896B



JZX896A

DVER 2.0

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一、 Introduction

1.1 Product Overview

JZX896 is specifically designed for wireless ad hoc network applications platform, including JZX896B and JZX896A, working frequency in 490MHz band free. Providing UART data interface, Supporting network data transmission and transparent data transfer mode, Its a short-range wireless transmission, ideal for building a wireless network.

1.2 Product Apperance

1.2.1 JZX896B Apperance

JZX896B Physical Specifications:

Physical Specifications	Parameter
Size	70mm*45mm*19mm(No Antenna、DB9)
Weight	74g

JZX896B Front view, as follows:



1.2.2 JZX896A appearance

JZX896A Physical Specifications:

Physical Specifications	Parameter
Size	44mm*27mm*8mm(Without antenna)
Weight	15g

JZX896A Front view (including antenna head, 5PIN seat, shielding shell), as shown below:



1.3 Product Features

JZX896 Product characteristic parameters:

Product Features	Description
Working frequency	487 ~ 493MHz, 8 channels
Maxi transmit power	200mw
Communication distance	1000m(1200bps)
Receiver sensitivity	-120dBm
Operating voltage	4.5V ~ 5.5V
Operating Power	35mA(receive), 200mA(send)
Operating Temperature	10% ~ 90% Relative humidity, non-condensing
Operating Temperature	-25°C ~ +85°C
Operating Mode	(1). Transparent transmission mode: point-to-point transmission (2). Network data transfer: multi-hop transmission

二、 Module Interface Description

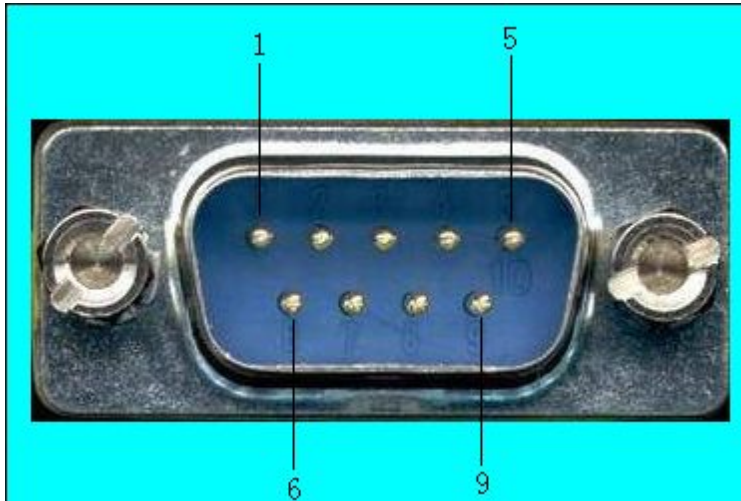
2.1 Interface Type

JZX896 serial interface, including RS485/ RS232/TTL, high level is 3.3V when using TTL interface

2.2 interface pin definitions

2.2.1 JZX896B interface pin definition

JZX896B interface uses a 9-pin DB9 connector:

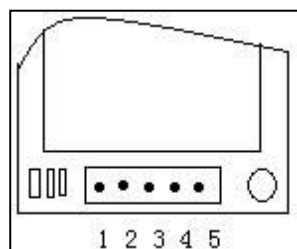


JZX896B Pin Definitions as follow:

Pin number	Function Name	Description
2	UART_TX	Serial signal output terminal
3	UART_RX	Serial signal input terminal
5	GND	Ground
7	VCC	+5V

2.2.2 JZX896A interface pin definitions

JZX896A Pin to 5PIN row seat, pin spacing of 2.0 mm, as shown :



JZX896A Pin Definitions as follow:

Pin number	Function Name	Description
1	VCC	+5V
2	GND	Ground
3	UART_RX	The serial signal input terminal
4	UART_TX	The serial signal input terminal
5	Reserved	Customized by user

Technical specification of JZX896A/B

Technical specification	
Modulation:	GFSK
Frequency:	490MHz Users could customize
Transmit Power:	200mW(13 dB)
Receiver sensitivity:	-122dBm
Transmit Current:	<200mA
Receive Current:	<45mA
Sleep Current:	<10uA
Channel Rate:	1200/2400/4800/9600/19200/38400Bit/s customized
Serial Port Rate:	1200/2400/4800/9600/19200/38400Bit/s customized
Interface:	TTL/RS232/RS485
Interface-data-format:	8E1/8N1/8O1 customized
Working Power:	DC 4.5~5.5V
Working Temperature:	-25°C ~75°C
Working humidity:	10%~90% Relative humidity, no condensing
Size:	44mm*27mm*8mm(A) 70mm*45mm*19mm(B)
Communicated Model:	JZX896A/JZX896B

Note: All of the rights of final interpretation and modification by our company