

Product introduction:

JDY-10 transparent transmission module is based on the Bluetooth 4.0 protocol standard, the working frequency band is 2.4GHZ range, the modulation mode is GFSK, the maximum transmitting power is 8db, the maximum transmitting distance is 80 meters, with low power consumption, small size, strong signal, data transmission Stability and other features.

Product features

- 1.Support Android, IOS mobile data through
- 2.Support for low power consumption (standby current up to several uA)
- 3.Support GPIO and UART peripheral interface
- 4.Support AT command operation
- 5.Can pass FCC / CE and other standards certification

Product range of applications

- 1.Bluetooth LED lighting
- 2.Motor adjustment and other products
3. Anti-lost alarm products
4. Exercise Health Medical
- 5.small appliances
6. Automotive Electronics

Specifications

- Working voltage: 1.9 - 3.6V
- Operating temperature: -40 - 85 ° C
- Maximum transmit power: +8 dbm
- Antenna: PCB onboard antenna
- Receiving sensitivity: -92dbm
- Wakeup mode: 90uA
- Suspen mode: 14 uA
- Serial port baud rate: 115200bps
- Power-on sleep, the need for serial communication, wake up through the PWMC delay awaken to sleep, through the AT + SLEEP
- Go to sleep, PWRC multi-function pin, see pin function (do not need low-power PWRC pin has been pulled low level)
- This module is a serial pass-through module (can be customized to develop 5 PWM outputs, multi-IO input and output, you need to customize the customer can contact the service

Factory default configuration:

- Service UUID: FFE0
- Feature UUID: FFE1 Transparent
- Feature UUID: FFE2 feature configuration

Pin Function Description

Pin	Definition	Features	Description
1	RESET	Reset	Low-level effect
2	E4	IO5	Output IO pin can be controlled by APP level
3	E5	IO4	Output IO pin can be controlled by APP level
4	E6	IO3	Output IO pin can be controlled by APP level
5	E7	IO2	Output IO pin can be controlled by APP level
6	F0	IO1	Output IO pin can be controlled by APP level
7			
8	VCC	power	
9	GND	GND	
10	PWM3		
11	STAT	Connection status pin	Not connected low level, connected high level
12	NULL		
13	PWRC	Wake up sleep	Not connected, sleep, press wake up, After connecting, wake up, press to disconnect After connected, wake up by pressing sleep Need to sleep when awake to send AT + SLEEP to sleep Do not need low power consumption: PWRC pin can be ground directly
14	RXD		Serial input, the level of TTL level
15	TXD		Serial output, the level of TTL level
16	B0		
17	B5		
18	B6		
19	PWM0		
20	C1		
21	PWM1		
22	PWM2		