10W Radio Module for Data Transmission

KYL-300P

Features:

- Power output controllable by software: 2W-10W adjustable
- Power supply: 9-36VDC
- Two interface at same time.RS232 & RS485, or RS485&TTL
- Frequency resetable in specific band.
- Pin 1/4/6/9 expandable
- High power, long transmission distance
- Transparent data transmission for all kinds of Micro-controller,PC,RS485 equipment and other devices.

I. Technical specification

PERFORMANCE	
Power Output:	10W(Default)
RF Effective Rate:	1200/2400/4800/9600/19200bps
Space Channel:	1MHz(Default), 12.5/25KHz selectable
Bandwidth:	<25KHz
Receiver Sensitivity:	-123dBm@1200bps (1% BER)
NETWORKING	
Networking Topology:	Point-to-point, point-to-multipoint
COMPATIBILITY	
KYL-300 and KYL-200 series	
POWER	
Supply Voltage:	12V DC
GENERAL	
Communication Mode:	Half-duplex
Frequency Band:	433MHz (400/450/470MHz optional)
Channel:	8/16/32
Interface:	RS485 & RS232,or RS485 & TTL
PHYSICAL PROPERTIES	
Antenna Base:	50Ω, SMA
Operating Temperature:	Industrial:-40℃~+80℃(TCXO)

II. Application Field

* Automatic Meter Reading (AMR);
* Wireless alarm and security systems;
* Building automation, security systems, wireless monitor;
* Wireless data transmission, automatic data collection system;
* Wireless POS, PDA wireless smart terminal;

* RF transmitter, Wireless electronic display screen and Queuing machine;
* Wireless telemetry; remote control and access control system;
* Wireless modem automobile inspection and four-wheel orientation;
* Wireless sensor, Industrial wireless remote control;
* Data communication in the aspects of railway, oil field, dock and army.
* LED display in thruway and public place;
* Point to multi-point wireless network.

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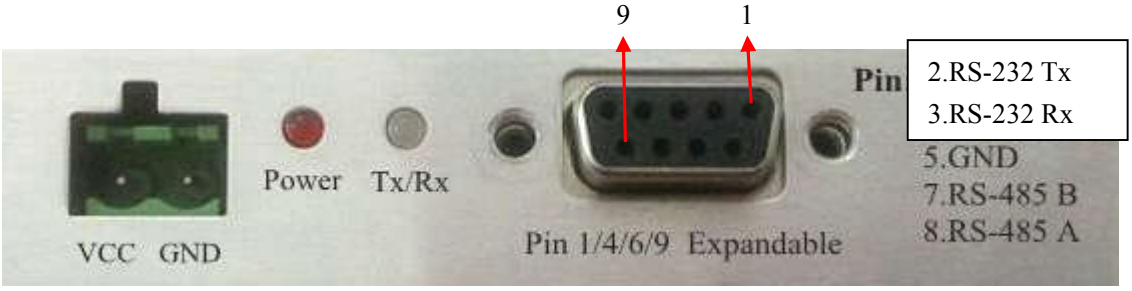
III.Connection

1. Default 12V Power supply

2. PIN Definition (9pin)

Pin No.	Signal Name	Function	Connection with terminal	Remarks
1	NC			
2	RS-232 TX	Data transmitting		
3	RS-232 RX	Data receiving		
4	NC			
5	GND	Grounding of power supply	Ground	
6	NC			
7	RS-485 B	Data receiving		
8	RS-485 A	Data transmitting		
9	NC			

3. The connection schematic between computer and the RF module



4. The Function-indicator light

When the LED of Power turn red,which means the module is power up.

When the module is transmitting signal,the LED of “Tx/Rx” will flash red light.

When the module is receiving signal,the LED of “Tx/Rx” will flash green light.