Soarland & Hexin

TD-8320S 2000M RS-485 to Wireless Converter

Description

TD-8320S 2000M RS-485 to Wireless Converter is a professional design for serial device wireless transmission in short-range. it use standard RS-485 port, can transmiss signal 200 meters transparently and effectively, so that users neednot change the existing software and complete the communication. TD-8320S 2000M RS-485 to Wireless Converter use pairs used working method, can make the serial signal transmission stable. it can be connected as point to point, point to multipoint, multipoint to point, allowing users to build large-scale systems serial wireless network.

Feature

- Line of sight and reliable transmission distance can reach 2000m, use of FSK modulation.
- Carrier frequency 433 MHz, can also be ordered 315M/868M/915M other carrier frequency; ISM band, no need to apply for.
- Provide 8 channels, if the user needs, can be expanded to 16-channel.
- Interface Format: 8N1/8E1/8o1.
- Transceiver, half duplex, sending and receiving data conversion automatically, just send and receive the data from interface, conversion time is short.
- Can be used for point to point, point to multipoint, multipoint to point communications and many other combinations.
- Data transparent transmission, can transmit long data frames.
- 3 kinds of power-saving modes: hardware wake-up, serial wake up, air wake up.
- Automatically filter out the false data generated by air, long-term reliability is good, very low failure rate.

Specification

- Transmission distance :2000M(sight)
- Operating frequency: 433Mhz
- Number of channels: 8
- Transmit Power: ≤ 100mW
- Device power consumption: power 100mw
- Receiver sensitivity:-121dBm
- Emission current: <100mA
- Receive Current: <20mA
- Sleep current: ≤ 1uA
- Channel rate: 1200/2400/4800/9600/19200/38400Bit/s users can set up
- Serial Rate: 1200/2400/4800/9600/19200/38400Bit/s users can set up
- Send and receive time: <10ms
- Data Format: 8E1/8N1/8O1
- Power Supply:
  - RS-232/RS-485: 5±0.5V
  - TTL: 2.7~3.6V, 3.6~5.5V DC
- Operating Temperature: -20oC-65oC
- Operating Humidity: 10%~90% relative humidity, non-condensing
- Dimension: 44mm × 27mm × 8mm (excluding antenna)