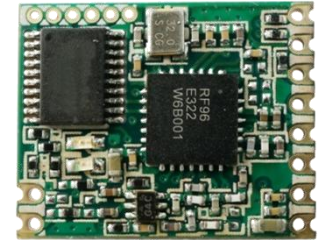


**WIRELESS & SENSOR****HM-TRLR-S 434/470/868/915 MHz Low Power Long Range Wireless Data Transmission Modules****Brief introduction**

HopeRF's HM-TRLR-S is a low cost, high performance, super long distance wireless data module. Users can via UART interface to realize wireless communication. It's easy to use and has no complicated settings. It is flexible for the users to config modulation mode, frequency, channel, data rate, and output power etc parameters. It is ideal choice of kinds of customized function for secondary development.

**HM-TRLR-S****Key features**

- 159dBm maximum link budget
- +20dBm maximum output power
- 2dBm~20dBm selectable output power
- TX current for 120mA (20dBm)
- low power consumption RX current for 16mA
- power consumption of sleepy for 1uA
- power supply: 2.4V ~ 3.6V (DC)
- working temperature: -40 ~ +85 °C
- convenient for production and No RF alignment required.
- Support OOK、(G)FSK、LoRa modulation modes
- support frequency hopping communication(LoRa mode)
- Support specified node communication and radio communication mode(OOK、FSK、GFSK modes), to convenient clients to form wireless network
- Support 1200/2400/4800/9600/19200/14400/38400/56000/57600/115200 UART baud rate
- Standard UART interface to support 8N1、8E1、8O1, extendable to RS232\USB or other interface
- Support 434/470/868/915MHz frequency band
- Each frequency band can support 16 selectable information channels
- Support cycle reset function
- Support firmware upgrade
- SMD package: 16×20×2mm
- Compliance with FCC、ETSI

**Applications**

- Automatic wireless meter reading system
- wireless sensor networks
- wireless control system of home automatic
- wireless of security system
- monitor equipment of wireless industrial control

**Ordering information**

model	package	Minimal order
HM-TRLR-S-434		500 pieces
HM-TRLR-S--470		500 pieces
HM-TRLR-S--868		500 pieces
HM-TRLR-S-915		500 pieces