



Overview:

CC2500 RF Module is a transceiver module which provides easy to use RF communication at 2.4 Ghz. It can be used to transmit and receive data at 9600 baud rates from any standard CMOS/TTL source. This module is a direct line in replacement for your serial communication it requires no extra hardware and no extra coding to work in Half Duplex mode i.e. it provides communication in both directions, but only one direction at same time

Features:

- Supports Multiple Baud rates (9600)
- Works on ISM band (2.4 GHz)
- No complex wireless connection software or intimate knowledge of RF is required to connect our serial devices.
- Designed to be as easy to use as cables.
- No external Antenna required.
- Plug and play device.
- Works on 5 DC supply.

Specifications:

- Input Voltage - 5Volts DC
- Baud Rate - 9600
- RS 232 Interface & TTL Interface
- Range - Max 30 Mtrs - Line of Sight
- Channels - 3 Ch - JP1 & JP2 - Ch 1 On - On

Channel Setting - If U need To use More than 2 Xbee in the same place So U can set in Diffrent Channels - settings Given Below - JP1 and JP2 is nearby Chip in BOT Layer PCB

CHANNELS	JP1	JP2
CH1	OFF	OFF
CH2	ON	OFF
CH3	OFF	ON

Applications:

- Wireless Sensor Network.
- Wireless Device Control.
- Wireless Data Transfer.
- Wireless Energy Metering
- Home Automation

NOTE:

Obstacles are among the biggest problems the range will vary according to the size and type of Obstacles