

Operational Description

- This device is a data transferring System of base station.
- The frequency is from 2.405GHz to 2.480GHz.
- The main chips is NRF24L01.
- the device designated with the following general information and technical specification as following:
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Main Chipset	NRF24L01
Antenna Type	PCB Antenna(integral antenna)
Antenna Gain	0 dBi
Frequency Band	2405-2480MHz
Modulation type and data rate	GFSK
Channel Number	26 channels
Oscillating Frequency	16MHz

This device could detect the signal form another device (8015-3R) . it is a two-way transfer device, it could transfer with another part. RF24L01 is a single chip radio transceiver for the world wide 2.4 - 2.5 GHz ISM band. The transceiver consists of a fully integrated frequency synthesizer, a power amplifier, a crystal oscillator, a demodulator, modulator and Enhanced ShockBurst™ protocol engine. Output power, frequency channels, and protocol setup are easily programmable through a SPI interface. Current consumption is very low, only 9.0mA at an output power of -6dBm and 12.3mA in RX mode. Built-in Power Down and Standby modes makes power saving easily realizable.