nRF24L01+ (plus) +PA +LNA

The nRF24L01+PA+LNA is a 2.4GHz wireless data modem that is capable of transmitting data over a distance of up to 1100 meters (3600 feet) under optimal conditions. It is a low-cost, low-power device that operates in the 2.4GHz ISM (Industrial, Scientific, and Medical) band and is equipped with a power amplifier (PA) and a low-noise amplifier (LNA) to enhance its performance. The device uses the 2-wire SPI interface for communication with the host microcontroller, such as the Arduino or Raspberry Pi, and supports data rates of up to 2Mbps. The nRF24L01+PA+LNA can be used in a variety of applications, including wireless communication between sensors, remote control systems, and IoT (Internet of Things) devices.

Dimensions: 41 x 15mm
Antenna: 109 x 9.5mm, +2dB
Operating voltage: 3.0 to 3.6V
Data signal level: 3.3V and 5V logic level
Transmission power: max. +21dBm
Transmit mode current: max. 140mA
Receive mode current: max. 45mA
Power-down mode current: typ. 4.2µA

Note 1: you will need at least 2 modules to make data communication work.

Note 2: The 3.3V output on most original Arduino development modules in not sufficient to supply enough current for the nRF24L01 module. External 3.3V supply will be required.