

## **Circuit Description**

The nRF24LU1 is a unique single chip solution for compact USB dongles.

It integrates a 8-bit 8051 compatible microcontroller with USB2.0 controller. On-chip voltage regulators supply 3.3V for system. An external  $\pm 60\text{ppm}$  16 MHz crystal for system clock.

The integrated 2.4G RF transceiver for wireless operation. It is designed for operation in the world wide ISM frequency band at 2.400 - 2.4835 GHz and is very well suited for ultra low power wireless applications.