

## **Circuit Description**

1. The MCU-TCC8900 chip is master micro controller, the oscillator component X1 generated a frequency of 12MHz as base clock frequency, the TCC8900 is a center processing unit which the master frequency of running speed is 333MHz, with 128MHz DRAM and 1GB nand flash, and SD/TF card, one USB port for USB disk and one mini USB port for connect to PC.
2. The IC-RT3070 is a wireless communication IC base on 802.11b/g WIFI wireless technology, the 40MHz clock frequency input to RT3070 as base clock frequency, and use the high-frequency from 2412MHz to 2462MHz as carrier frequency, the transmission rate up to 54MHz.
3. The USB disk and SD/TF card all external signal and data input to MCU as program source, playing and display on LCD screen or output to speaker.
4. The work voltage is DC 7.4V, supply by battery, with a DC 9V power adaptor.