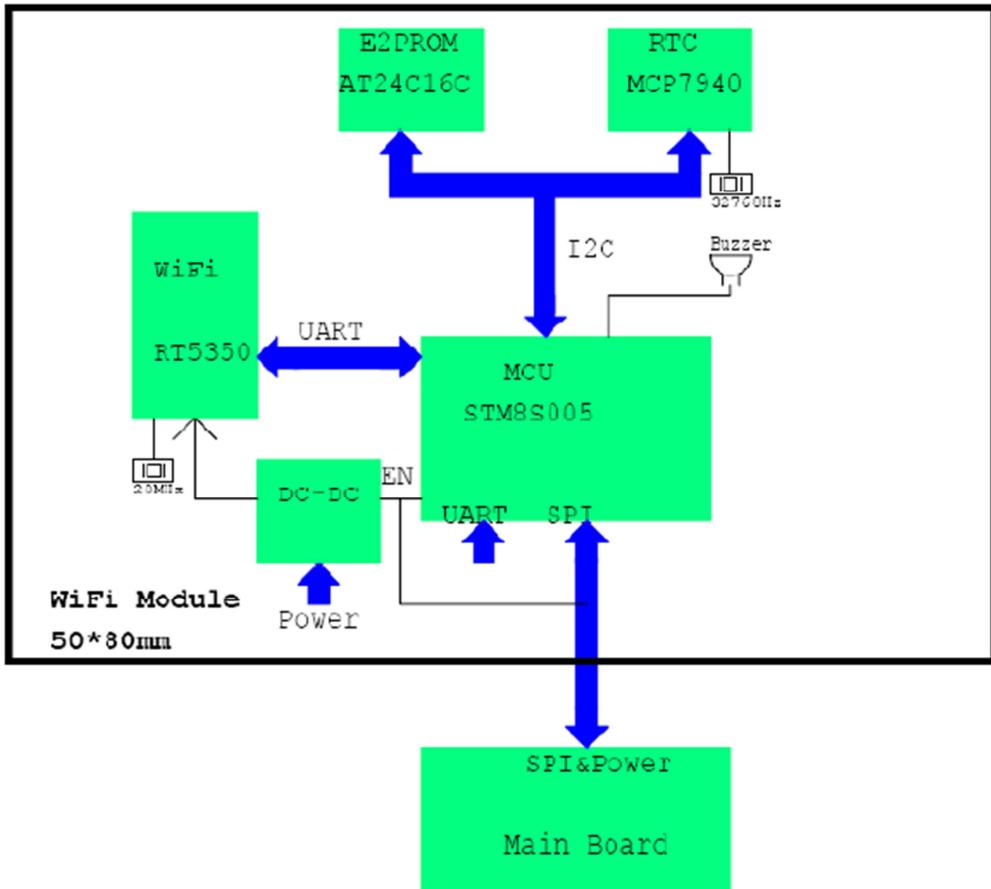


Circuit description

This circuit is a module for sending message to internet through WiFi. The WiFi is working on 2.4G, and follow IEEE802.11b/g/n(HT20) standard. The message is send from Main Board, MCU will get the message through UART port, then send it to internet through WiFi circuit part.



1. MCU circuit

Receive message from SPI and send it to WiFi circuit. It also store the message in the EEPROM when the internet is not available. It sounds through a buzzer when something is wrong. It gets the real time from the RTC circuit.

2. DC - DC circuit

Supply 3.3V power for the WiFi circuit. It is controlled by the MCU.

3. WiFi circuit

Send the message to the internet through Access Point. It works in 2.4GHz and supports IEEE802.11b/g/n(HT20) standard. It does not support HT40.