

# 911 help now Circuit Description

## 1、Power supply

911 help now is powered by three AAA batteries in series, every AAA battery provide 1.5V, three batteries provide 4.5V in all ;

## 2、MCU

The number of MCU is STC15W408AS, eight digital 8051 kernel MCU, the chip include 8K Flash, 512 byte RAM; Chip is designed and produced by STC company;

## 3、Voice chip

Circuit design including a voice chip and peripheral circuit, voice chip communicate with MCU by 1—Wire communicate way, output to loudspeaker and play specified record voice by MCU control voice chip.

## 4、Key and LED indicator light

911 help now including three independent keys and three independent LED indicator lights. Three independent keys been real-time monitoring and read state by MCU, Three independent LED indicator lights been control by MCU depends on device's different state.

## 5. GSM module

GSM module number is M35, M35 is a four frequency GSM/GPRS 2G module which have SMS, voice communication , GPRS data function. Hands-free calls by built-in audio frequency amplifier, output to loudspeaker directly. But for this product, GPRS function has been shielded by software.