Circuit Description

1. **CPU(MT6235) module**: contain CPU, memory (flash, SDRAM) and 32.768kHz crystal oscillator circuit, the main functions of the module are as follows

   * To control the audio channel switch control circuit module, and to achieve four-way voice signal exchange and the transmission;
   * To set voice routing rule and calling rule;
   * Modem module and GSM module initialization;
   * Control the voice's incoming and outgoing;
   * Control the data information function;
   * Control and drive the LCD display module via connector(CON402);
   * Control and drive the sensor module via connector(CON401);
   * Output the audio to audio PA circuit and the audio signal directly input to it

2. **GSM RF module**: to achieve the voice, data communications (fax business) wireless access, provides the serial interface and CPU to link and data communications, voice interface and voice channel switching circuit connected and voice communications, with the SIM card interface, the IC-U104 is RF signal generation with a 26MHz oscillator as RF base clock frequency, and it produces the frequency 850MHz and1900MHz signal as GSM communication signal.

3. **MT5921A module**: MT5921A dealing with the WIFI function, and with a 40MHz oscillator as a base clock frequency, the MT5921A produces a exact HF signal 2412~2462MHz as 802.11b/g RF communication signal.

4. **TLG1100 module:** TLG1100 dealing with the TV function, and with a 27MHz osillator as a base clock freuency of the IC-TLG1100, the main function of the IC-TLG1100 is including to receiving the TV signal and decode it, and send to CPU.

5. **MT6601 module:** MT6601 dealing with the bluetooth function, and with a 26MHz oscillator as a base clock frequency, it produces a frequency 2402~2480MHz signal as bluetooth RF signal.

6. **LCM**: LCM connector(CON402) to connecting the LCD display module, and other(CON601) to connecting the touch panel.