A6C GSM, GPRS Development Board with Camera Module

Specifications:

- The Board comes with **GSM, GPRS and camera interface,** all three in Single module.
- Its comes with GSM antenna and camera module.
- Working temperature : -30℃ to +80℃
- Working voltage : 3.3V-4.2V
- Power voltage: >3.4V
- Standby currents below 3ma
- Support quad-band GSM/GPRS，include 850,900,1800,1900MHZ
- GPRS Class 10
- Sensitivity: <-105
- Supports SMS messages
- GPIO-level 2.8V
- Supports GPRS data services, the maximum data rate, download 85.6Kbps, upload 42.8Kbps
- Support standard GSM07.07,07.05 AT commend and Ai Thinker extended commands
- Supports 2 serial ports:download a serial port and AT command port
- AT commands support the standard AT, and TCP/IP command interface
- Support for audio

- Support external 300,000 pixel webcam
- Flash Pin to control external LED Falsh light.
- Package: 24 Pin DIP

Main Parameters

- Quad-band 850/900/1800/1900 MHz
- GPRS multi-slot 12, 1 to 12 may be configured
- GPRS mobile station Class B
- Compatible with GSM Phase 2/2 +
  - Class 4 (2W @ 850/900 MHz)
  - Class 1 (1W @ 1800 / 1900MHz)
- Supply voltage 3.3 ~ 4.2V 4.0V typ.
- Current consumption
  - 1.3mA @ DRX = 5
  - 1.2mA @ DRX = 9
- Operating temperature -30 ° C to +80 ° C
- AT command control standards GSM07.07,07.05 AT commands and extended commands
- SIM Application Tool Package

Data Transmission

GPRS

- GPRS Class10 up 85.6 kbps (upstream) & 42.8mbps (downlink)
- PBCCH support
- Coding scheme CS 1, 2, 3, 4
- CSD supports up to 14.4 kbps
- Support USSD
- Stack PPP / TCP / UDP / HTTP / FTP / SMTP / MUX

SMS

- To-point messaging
- Cell Broadcast messages
- Text / PDU mode

Voice A speech coding mode:

- Half Rate (HR)
- Full Rate (EFR)
- Enhanced Full Rate (EFR)

AMR:

- Audio processing mechanism
- Echo cancellation
- Echo suppression
- Noise Suppression

Interface

- SIM / USIM card 3V / 1.8V
- UART 2 Ge
- Analog audio interface
- RTC

Certificate

- CE/ FCC/ RoHS/ CTA

Download Datahseet