

POWER: 1: External Power VIN through LDO (MP4560) level converter generates VBAT (4.0V) for GSM module working voltage, VBAT other way then through LDO (AP2121) produces V_GPS (3.3V) for GPS

Module

2: When an external power outage cases, by Bat Processor processing unit with an internal battery immediately cut

Change, achieve product life role. When an external power supply built-in battery case will automatically

Charging.

GPS: By RF_IN (GPS antenna) to receive GPS satellite signals through the band-pass filter and an RF pre-processing

After entering the baseband system, to give full GPS data via UART (serial port) External Data output.

GSM / GPRS: GSM uses ARM7EJ-S core baseband processor platform, clocked at up to 104MHz.

Operating frequency band: 850MHz, 900MH, 1800MHz, 1900MHz

Internal component units: GPIO Serial Interface ADC AUDIO Sim Interface.

RF Transceiver

GPIO: responsible for the digital signal input and output control processing

Serial Interfaced: responsible for receiving the GPS signal UART data stream, and do data analysis processing

ADC: The AD is responsible for converting external circuit signal acquisition

AUDIO: receive or deliver voice communications signals MIC and SPEAKER

RF Transceiver: responsible for receiving or sending packets associated communication with the server.