SU626S   Features

1、   No wireless, easy installation

2、   can be used over 1000 days if the device send data once a day

3、   Ultra-low power consumption, the product sleep state of the working current can be reduced to 0.03mA or less, to ensure that the product can work long hours

4、   the smallest size, easy to hide installation;

5、   strong magnetic

6、   Anti-tamper function

7、   : GPS、AGPS、LBS positioning

3. SU626S specification

3.1 【Unit specification】

FCC ID	2A06CSU626S
item	description
battery	Disposable super lithium battery（3.6V, 5400mAh） Ultra-low self-rate: 25 ℃ for 1 year, less than 1%
Power consumption	The average working current <120mA; saving power current <30uA;
size	80mm*51mm*31mm
weight	200g
Working temperature	-30℃～50℃
Humidity	5%～95%

3.2 【GSM module specification】

Item	description
frequency	3G: UMTS 850/900/1900/2100MHz 2G: UMTS850/900/1800/1900MHZ
Receiving sensitivity	<-107dBm
Operating temperature	-30℃～50℃
storage temperature	-45℃～90℃
Operating Voltage	3.24V~3.96V（suggest 4.0V）
Power consumption	GPRS Class10 max：460mA；Shutdown current：47uA
GPRS	GPRS Class 10, TCP/UDP/FTP/PPP Max DL ：85.6kbps MAX UL：85.6kbps
Certification	ROHS、FCC、CE

3.3 【GPS Module】

item	description
Band	GPS L1:1575.42MHz,C/A Code
channel	50 channel
Sensitivity	Cold Start Capture Sensitivity：-147dBm Tracking sensitivity：-161dBm
Start Time	Code start：27S（the best）；hot start：1S（the best）
Data update frequency	1Hz（default）；max 5Hz

positioning accuracy	2.5m（the best）
Detection range	maximum height：50000m;the highest speed：500m/S;the Maximum acceleration：4g
Working voltage	3.3V±0.3V
temperature	-40℃～85℃

4. SU626S functions

4.1 【basic function】

4.1.1 Positioning

Terminal factory default, upload a location every 24 hours; location information includes: location status, latitude and longitude, GSM signal strength, GPS satellites, battery voltage and other information. Positioning information interval can be set.

4.1.2 AGPS

Terminal with AGPS function, when the terminal connected to GPRS, you can use the AGPS function to speed up the GPS module positioning speed and improve positioning accuracy.

4.1.3 LBS

By default, the terminal uses the GPS positioning. When the GPS enters the blind zone and can not be accurately located, the terminal automatically switches to positioning the base station.

4.1.4 Battery low voltage alarm

The terminal can detect the built-in battery voltage in real time and upload it to the server in real time. When the battery voltage is lower than 3.3V, the terminal reports the battery low voltage alarm. At this point, the battery can be working time is shorter, you must replace the built-in battery as soon as possible.

4.1.5 Intelligent tracking function

When it is found that the vehicle is stolen or other emergencies and needs to track the position of the vehicle in real time, it may send a text message command or set the platform to issue an instruction. When the terminal receives the command in the next work, the device will enter the tracking state

4.1.6 Wake up time correction

The device can change wake up time by command

4.1.7 Platform-specific instructions

Due to the short terminal working time, the probability of receiving short messages is extremely low. To ensure the efficiency of sending instructions, the platform designs MT06 specific instructions, which can be set in advance. After the terminal is online, the platform automatically delivers the work efficiency , To ensure the accuracy of command reception.

4.1.8 Battery check

The terminal product uploads the location data with real-time power status, and displays the battery icon and percentage in the background to facilitate the user to grasp the remaining real-time of the device and simultaneously displays the current transmission time and the next time to be uploaded and the remaining power. The client Can be very intuitive understanding of the status of equipment.

4.2 【MT06C expand functions】

4.2.1 strong magnetic

4.2.2 anti-tamper function

5. SU626S installation

5.1 【installation】
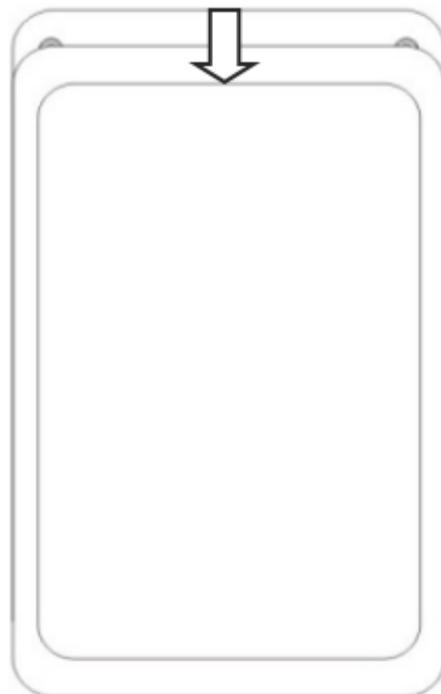
Picture 5.1 Top cover opening instructions

GPS status ,
Green LED
Keep one: GPS
positioning,fla
sh: LBS
off: no
positioning

ON

OFF

GPRS red LED light
Fast flash: GPRS connecting
Slow flash: GPRS connected

SIM slot

GPS antanne
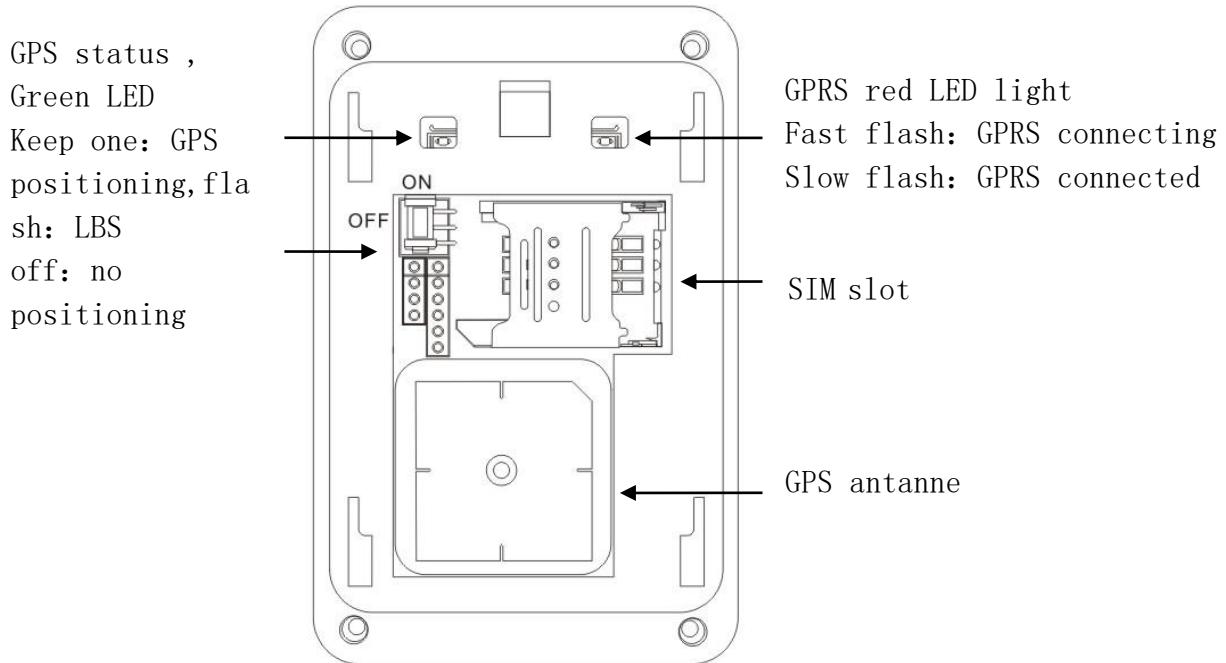
Picture 5.2 function chart

5.2 【installation】

5.2.1   SIM card installtion

Open the terminal cover, insert the prepared SIM card into the SIM card holder, then confirm that the SIM card is fastened in place. Please make sure that the SIM card has GPRS enabled and know the SIM card in advance.

5.2.2   Power on device

After installing the SIM card, the battery switch to the ON file, then the red light starts flashing, indicating that the host power work.

5.2.3   parameter settings

1、IP setting

For example, the customer server IP is ：119.145.40.64，port：8881，using LCD or mobile to send command:*88*1119145040064*8881#。Device reply:success,set successful。

2、TCP/UDP Connection settings

For example，the customer server IP is：119.145.40.64，port：8881。If there is TCP connection, using LCD or mobile phone send command：*88*1119145040064*8881*1#；if there

is UDP connection,command is:*88*1119145040064*8881*0#。The device will reply :success,
then set successful。

5.3 【Important parameter settings】

5.3.1 wake up time setting

command：HX,T#

description：T: wake up time, Unit: Mints, default T: 1440; for example, HX,1440#,wake
up time is 1440 mints(24 hours)。

Note: default setting is 1440, , if Setting a shorter wake-up time can result in a drastic
reduction in operating hours.

5.3.2 Tracking mode

command：ZZ,<A>[,T1,T2]#

Description：Tracking mode

A: A=1,enter into tracking mode A=0 exit tracking mode

T1: Upload data time interval after entering tracking mode，Unit：seconds

T2: time duration after Enter tracking mode , unit：mints

ZZ,1,10,60# Enter the tracking mode, the return interval is 10 seconds, 60 minutes
into sleep

ZZ,0# Exit the tracking mode

5.3.3 Close the positioning

command：LBS,A#

Command description :A=2 close positioning function；A=1 pure LBS positioning; A=0
LBS、GPS 、AGPS; default A=0

example: LBS,1# enter into LBS position mode, close GPS module

5.3.4 change wake up time

command：HXC,T#

description：T Wake up time next time, unit：mints, This command is used to correct
the wake-up time

example: HXC,120#; next time it will wake up in 120 mints after go to sleep

Note: After entering into the tracking mode, be sure to remember to set the exit tracking mode after use. Otherwise, the battery will run out of power soon due to frequent upload of data.

 MT06 three-year working requirements

1、Equipment is not prohibited to use the instructions, unauthorized disassembly, collision, charging, soaked, more than 80 degrees, man-made faults, force majeure damage, etc., or the resulting short circuit, working hours, battery deformation, leakage, explosion and so on and Associated losses, without warranty and compensation;

2、Equipment working time: 1095 days; upload data: 1095; upload time interval of 24 hours / strip, working temperature: -20 degrees to 60 degrees。

3、Three years in which the device is located in the GPS blind time is not higher than 250 days; GSM dead zone time is not higher than 50 days.

FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could
void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Reorient or relocate the receiving antenna.
- Reorient or relocate the receiving antenna.

Consult the dealer or an experienced radio/TV technician for help important announcement

Important Note:

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.