Queclink
WIRELESS SOLUTIONS

CP100
GPS Locator With Compact Size

- Water Resistance
- Super Sensitivity and High Accuracy
- Quad Band GSM/GPRS
- Low Power Consumption
- Embedded Full-Featured @Track Protocol
- WIFI IEEE 802.11g/b Compliant
- RoHS Compliant

POWER
LOW BATT

SIM CARD

CP100 is a powerful GPS Tracker designed for student, pet and asset tracking. With superior receive sensitivity, fast TTFF (Time to First Fix) and Quad-band GSM frequencies 850/900/1800/1900 its location can be monitored or periodically reported to a backend server or other device. Based on the embedded @Track protocol, the CP100 can communicate with the backend server through the WIFI/GPRS/GSM network (or SMS) to report Emergency Alerts, Multi Cell ID , Multi WIFI MAC Address ,Low Battery and scheduled GPS positions along with several other advanced reporting features. System Integrators can easily setup their custom tracking platforms to communicate with the CP100 based on the @Track protocol.

Advantages

- Water Resistance.
- Built in uBlox GPS chipset with -165dBm tracking sensitivity , –147 dBm autonomous sensitivity for fast TTFF and high accuracy.
- Built in MTK WIFI chipset with IEEE 802.11b/g   Compliant.
- Low power consumption.
- Quad band GSM/GPRS frequencis 850/900/1800/1900
- Fully power management. Can be connected to external DC power or battery.
- Embedded full-featured @Track protocol
- Certificated with PTCRB/FCC

Queclink

CP100

GPS Locator With Compact Size

69mm * 39.5mm * 17mm

GSM Specifications

Frequency	Quad-Band: 850/900/1800/1900MHz Compliant to GSM phase 2/2+ -Class 4 (2W @ 850/900MHz) -Class 1 (1W @ 1800/1900MHz)
GPRS	GPRS multi-slot class 12 GPRS mobile station class B
RMS Phase Error	5 deg
Max Out RF Power	33.0dBm ± 2dBm
Dynamic Input Range	-15 ~ -102 dBm
Receiving Sensitivity	Class II RBER2％（-102dBm）
Stability Of Frequency	Greater than 2.5ppm
Max Frequency Error	± 0.1ppm

GPS Specifications

GPS Chipset	uBlox All-In-One GPS Receiver Sensitive, Fast and Accurate
Sensitivity	Autonomous-148dBm Hot start -160dBm Tracking -165dBm
Position Accuracy	Without Aid: 3.0 m 2D-RMS DGPS : 2.5 m
TTFF (Open Sky)	Cold start 35s average Warm start <35s Hot start <1.2 s

WIFI Specifications

WIFI Chipset	MTK MAC/BB WLAN Chip.
WIFI Frequency	2.412G - 2.462GHz.
WIFI Compatible	IEEE 802.11b/g Compliant.

User Interface Protocol

Mini USB Connector	Include external power and UART
SIM Card Holder	Support 1.8V/3V SIM Card.
Power Button	For power on and power off. Can be disabled by the air interface protocol.

General Specifications

Dimension:	69mm * 39.5mm * 17mm
Weight	60 g
Backup Battery	Li-Polymer 850 mAh , 3.7 V
Standby Time	Without reporting :100 to 200 Hours 5 minutes reporting: 48 to 72 Hours 10 minutes reporting: 72 to 96 Hours
External DC Voltage	5 V DC
External Battery Voltage	3.4 V to 4.2 V DC
Water Resistance	Follow IPX5 Standard

Air Interface Protocol

Transmit Protocol	TCP,UDP,SMS
Scheduled Timing Report	Report Position follows a pre-set fix interval and report interval
Low Battery Alarm	Alarm when backup battery is low
Power On Report	Report when the device is powered on
SOS/Emergency Alarm	SOS alarm when Power key is pressed

Queclink Wireless Solutions

Address : Room 501, Building 9, No.99, Tianzhou Road, Shanghai , China
Tel : +86 21 51082965
Fax: +86 21 54451990
Web: http://www.queclink.com/
Email : sales@queclink.com