Queclink
WIRELESS SOLUTIONS

GT300

Senior/Lone Worker Care GPS Phone

- Falling Alarm
- Super Sensitivity and High Accuracy
- Quad Band GSM/GPRS
- Low Power Consumption
- Embedded Full-Featured @Track Protocol
- RoHS Compliant
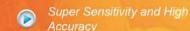- OLED Display
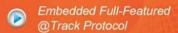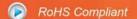
GT300 is a powerful GPS phone for personal tracking. With superior receiving sensitivity, fast TTFF and cellular engine, its location can be monitored in real time or periodically reported by a backend server or other device. Based on the embedded @Track protocol the GT300 can communicate with the backend server through the GPRS/GSM network to transfer reports of emergency/SOS, Geo-fence boundary crossings, low battery or scheduled GPS position among other advanced features. Users can easily to dial one of the four preset phone numbers by using one of the four quick dial buttons or the SOS button. System Integrators can easily communicate with the GT300 using the @Track protocol.

Advantages

- Quad band GSM/GPRS frequencies 850/900/1800/1900MHz
- Built in uBlox GPS chipset with -162dBm tracking sensitivity, –148 dBm autonomous sensitivity for fast TTFF and high accuracy
- White OLED display (128*96)
- Embedded full-featured @Track protocol
- Low power consumption, long standby time with internal battery
- Built in 3D motion sensor for power saving and motion detection
- Built in GSM/GPS antennas
- Certified with PTCRB FCC CE GCF

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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 ~ -102dBm
Receiving Sensitivity	Class Ⅱ RBER2%(-102dBm)
Stability Of Frequency	< 2.5ppm
Max Frequency Error	± 0.1ppm

GPS Specifications

GPS Chipset	uBlox All-In-One GPS Receiver Sensitive, Fast and Accurate
Sensitivity	Autonomous: -148dBm Reacquisition: -160dBm Tracking: -162dBm
Position Accuracy	Autonomous: <2.5 m SBAS : 2.0 m
TTFF (Open Sky)	Cold start: 30s average Warm start: < 30s Hot start: < 1s

Interfaces

Mini USB Interface	For external power and configuration
Power Button	Power on and off
SOS Button	SOS/Emergency alarm
Volume Adjustable Buttons	2 side buttons to increase/decrease volume
Dial, Reject Button	For dialing and rejecting incoming calls or menu selection
4 Preset Number Buttons	For quick dialing of preset numbers or menu selection

87 mm

44.5 mm   17 mm

General Specifications

Dimension:	87mm * 44.5mm * 17mm
Weight	75 g
Battery	Li-Polymer 850mAh
Standby Time	Without reporting:120 to 150 Hours 5 minutes reporting: 50 to 60 Hours 10 minutes reporting: 70 to 80 Hours
Operation Voltage	5V DC
Operation Temperature	-20℃~+55℃
Display	128*96, 1.3", white OLED display
Bluetooth	Optional, for Bluetooth earphone or healthy care device

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Timing Report	Report Position follow the pre-set fix interval and report interval
Geo-Fence	5 Geo-Fence regions can be defined
Low Power Alarm	Alarm when backup battery is low
Power On Report	Report when the device is powered on
Power Off Report	Report when the device is powered off
SOS/Emergency Alarm	SOS alarm when the SOS key is pressed
Fall Detection	Falling alarm based on built in 3D motion sensor

Queclink Wireless Solutions

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