GT300

Lone Worker and Senior Care GPS Safety Phone

- 📶 **Man Down Alert**
- 📶 **Low Power Consumption**
- 📶 **OLED Display Allows Inbound SMS Messaging and Up to 20 Address Book Phone Numbers**
- 📶 **4 Configurable Speed Dial Buttons and 1 Configurable Emergency Call Button**

The GT300 is a powerful GSM/GPS safety phone designed mainly for seniors and lone workers. Its built in GPS receiver has superior sensitivity and fast time to first fix. Its quad band GPRS/GSM subsystem supports 850/900/1800/1900 MHz. System integration is straightforward as complete documentation is provided for the full featured @Track protocol. The @Track protocol supports a wide variety of reports including; emergency, geo-fence boundary crossings, low battery or scheduled GPS position (with cell-ID reporting), man down alert and many other useful functions. It also supports inbound SMS display and a configurable 20 number address book.

Advantages

- Quad band GSM/GPRS 850/900/1800/1900 MHz
- Internal u-blox GPS chipset
- White OLED display (128*96)
- Inbound SMS display and 20 number address book
- Embedded full-featured @Track protocol
- Low power consumption, long standby time with internal battery
- Internal 3-axis accelerometer for power saving and motion detection including man down alert
- Internal GSM/GPS antennas
- PTCRB/FCC/CE/GCF certified

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📶 GSM Specifications

Frequency	Quad band : 850/900/1800/1900 MHz Compliant to GSM phase 2/2+ -Class 4 (2W @ 850/900 MHz) -Class 1 (1W @ 1800/1900 MHz)
GPRS	GPRS multi-slot class 12 GPRS mobile station class B
RMS Phase Error	5 deg
Max Out RF Power	33.0 dBm ±2 dBm
Dynamic Input Range	-15 ~ -108 dBm
Receiver Sensitivity	Class II RBER 2% (-107 dBm)
Stability Of Frequency	< 2.5 ppm
Max Frequency Error	±0.1 ppm

📶 GPS Specifications

GPS Chipset	u-blox All-In-One GPS receiver
Sensitivity	Autonomous : -148 dBm Hot start : -160 dBm Tracking : -162 dBm
Position Accuracy	Autonomous : < 2.5m SBAS : 2.0m
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

📶 General Specifications

Dimensions	87mm * 44.5mm * 17mm
Weight	75g
Battery	Polymer Li-ion 850 mAh
Standby Time	Without reporting : 190 Hours 5 minutes reporting : 110 Hours 10 minutes reporting : 125 Hours
Operating Voltage	5V DC
Operating Temperature	-20°C ~ +55°C
Display	128 * 96, 1.3", white OLED display

📶 Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Timing Report	Report position and status according to preset time schedules
Geo-fence	Supports up to 5 internal geo-fence regions
Low Power Alarm	Alarm when internal 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 function key is pressed
Fall Detection	Man down alarm from 3-axis accelerometer