

GTS3000



Quad-Band GSM/GPRS/EDGE and dual-ban UMTS/HSPA

Embedded GPS and GSM Antenna

Wide Operating Voltage Range 9V to 36V DC

GTS3000 is a compact GPS tracker designed for vehicle tracking applications. It is able to achieve the industry's highest level of sensitivity, accuracy and TTFF. It is quad-Band GSM/GPRS/EDGE and dual-ban UMTS/HSPA device that works on frequency bands GSM 850MHz, 900MHz, DCS 1800MHz, PCS 1900MHz and WCDMA 850/900/1900/2100 MHz. The device could be monitored by backend server and mobile APP.

GTS3000 has multiple I/O interfaces that can be used for monitoring or controlling external devices. User can setup device working parameter by PC setup program base on personality application.

GTS3000 support RS485 BUS, could work with camera, rfid, fuel level sensor.

Advantages:

- ◇Qual-Band GSM/GPRS/EDGE and dual-ban UMTS/HSPA
- ◇High GPS sensitivity -165 dBm (Tracking)
- ◇Support camera, RFID, Fuel level sensor.
- ◇Multiple Digital Input, Anlage Input and Output
- ◇Remote cut engine function
- ◇Internal backup Battery 500mAh
- ◇Embedded 4M Flash
- ◇DC Tolerance voltage, from 9V to 36V
- ◇Firmware update over the air

◇ GSM Specifications

Frequency	GSM 850/900/1800/1900 MHz WCDMA 850/900/1900/2100 MHz
Receive sensitivity	GSM850,EGSM900 < -109dBm DCS1800,PCS1900 < -109dBm
Stability of Frequency	<2.5ppm

◇ GPS Specifications

GPS chipset	MT3337 GPS chipset
Receiver Accuracy	Without aid:3.0 M 2D-RMS DGPS(WAAS, EGNOS, MSAS, RTCM):2.5 M
Time to First Fix	Hot start < 1 sec. Warm start < 30 sec. Cold start < 31 sec.
Sensitivity	- 165dBm (Tracking)

◇ Interfaces

GPS antenna	external antenna
GSM antenna	Internal only
Internal Indicator LED	Internal, GPS,GSM, Power status
Digital Input	2
Anlage Input	1
Output	1
RS485 bus	Camera, rfid, fuel level sensor
PC Setup Interface	Update firmware and setup device

◇ General Specifications

Device Mechanics	108mm(L)*74mm(W)*32mm(H)
DC Tolerance	8V to 32V
Battery	Li-Po 3.7V 500mAh
Current	GPRS online 40mA GPRS transmit 80mA GPRS peak 120mA
Operating temperature	-20 to 60 °C

◇ Communication Protocol

Transmit protocol	TCP/IP,SMS
Alarm Report	ACC trigger Power cut Tow report Speeding
Special Report	PTO Fuel level
Firmware Update	Over the Air