

CR1000



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

External GPS and GSM Antenna

Support Camera and RFID

Wide Operating Voltage Range 9V to 36V DC

CR1000 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 dual-Band GSM/GPRS/EDGE and dual-ban UMTS/HSPA device that works on frequency bands EGSM 900MHz, DCS 1800MHz and WCDMA2100/900MHz. The device could be monitored by backend server and mobile APP.

CR1000 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. TRK1000 has RS485 bus that work with camera, RFID and fuel level sensor, and it will support any other custom RS485 device.

CR1000 has external GPS antenna and GSM antenna, to achieve better signal.

Advantages:

- ◇ Dual-Band GSM/GPRS/EDGE and dual-ban UMTS/HSPA
- ◇ High GPS sensitivity -165 dBm (Tracking)
- ◇ Internal GPS and GSM Antenna
- ◇ Multiple Digital Input, Anlage Input and Output
- ◇ Internal backup Battery 500mAh
- ◇ Embedded 16M Flash
- ◇ DC Tolerance voltage, from 9V to 36V
- ◇ Support RS485, work with camera, RFID and fuel level sensor.
- ◇ Firmware update over the air

◇ GSM Specifications

Frequency	EGSM900MHz,DCS1800MHz WCDMA2100/900MHz
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	External antenna
Indicator LED	GPS,GSM, Power status
Digital Input	2
Anlage Input	1
Output	1
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 Camera RFID Fuel level
Firmware Update	Over the Air