CR30

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

Embedded GPS and GSM Antenna

Wide Operating Voltage Range 9V to 36V DC

CR30 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.

CR30 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.

CR30 has internal and external GPS antenna, its antennas switch automatically.

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 4M Flash
◇DC Tolerance voltage, from 9V to 36V

◇GSM Specifications

Frequency	EGSM900MHz,DCS1800MHz WCDMA2100/900MHz
Receive sensitivity	GSM850,EGSM900 < -109dBm DCS1800,PCS1900 < -109dBm
Stability of Frequency	<2.5ppm

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

◇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	Internal and external antenna switch automatic
GSM antenna	Internal only
Internal Indicator LED	Internal, GPS,GSM, Power status
Digital Input	2
Anlage Input	2
Output	2
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