

CR4000



Embedded FDD LTE and WCDMA UMTS/HSPA Module

Embedded GPS and GSM Antennas

RS485 Bus Compatible Custom Accessories

Multiple Digital Input, Anlage Input and Output

CR4000 is a GPS location service supplier for vehicle. It provides superior sensitivity up to -165dBm and fast Time-To-First-Fix GPS application and support FDD LTE and WCDMA UMTS/HSPA+. The device could be monitored by backend server or other specified terminals.

CR4000 has multiple input/output interfaces that can be used to monitor vehicle status or control external device. User can setup device working parameter by PC setup program base on personality application.

CR4000 embedded with high sensitivity GPS antenna and GSM antenna.

CR4000 has RS485 bus, support fuel sensor, camera and other custom accessories.

Advantages:

- ♦ CR4000E: •FDD-LTE B1/B3/B7/B8/B20
 - •Dual-Band UMTS/HSDPA/HSPA+ B1/B8
 - •GSM/GPRS/EDGE 900/1800 MHz
- ♦ CR4000A: Tri-Band FDD-LTE B2/B4/B17
 - Dual-Band UMTS/HSDPA/HSPA+ B2/B5
- ♦ High sensitivity -165 dBm (Tracking)
- ♦ Embedded GPS and GSM Antennas
- ♦ RS485 Bus Compatible Custom Accessories
- ♦ Multiple Digital Input, Anlage Input and Output
- ♦Internal Battery, 3.7V, 500mAh
- ♦DC Tolerance voltage, from 8V to 32V
- ♦Firmware update: Update over the air

CR-GPS

Custom Accessories

Camera, RFID reader and Compatible

Update firmware and setup device

♦GSM Specifications

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	CR4000E:	
	FDD-LTEB1/B3/B7/B8/B20	
	UMTS/HSDPA/HSPA+ B1/B8	
Emaguan av	GSM/GPRS/EDGE 900/1800 MHz	
Frequency		
	CR4000A:	
	Tri-Band FDD-LTE B2/B4/B17	
	UMTS/HSDPA/HSPA+ B2/B5	
Specifications	•LTE CAT1 —	
for Data	Uplink up to 5Mbps, - Downlink up to	
transfer	10Mbps	
	•HSPA+	
	Uplink up to 5.76 Mbps,	
	- Downlink up to 42 Mbps	
	•UMTS	
	Uplink/Downlink up to 384Kbps	
	•EDGE Class	
	Uplink/Downlink up to 236.8Kbps	
	•GPRS	
	Uplink/Downlink up to 85.6Kbps	
Stability of	<2.5ppm	
Frequency		

♦General Specifications

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Output

RS485 Bus

PC Setup Interface

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

♦GPS Specifications

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

♦Communication Protocol

Transmit protocol	TCP,SMS
	ACC trigger
Alarm Danart	Power cut
Alarm Report	Tow report
	Speeding
	PTO
Special Report	Fuel level
	Flow meter
Picture upload	FTP protocol
Firmware Update	Over the Air

♦Interfaces

GPS antenna	Internal and external, switch
	automatic
GSM antenna	Internal only
Internal Indicator	Internal, GPS,GSM, Power status
LED	
Digital Input	3
Anlage Input	2

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