

## Cellocator™ CR200 -Family



**Cellocator CR200** is a compact size entry level device for Fleet Management and Stolen Vehicle Recovery applications. The device is available in two flavors, CR200 and CR200B, targeting large fleets, insurance and leasing companies. CR200 units are characterized by Cellocator's high level of quality and are offered at a competitive price for large scale deployments.

The **CR200B**, in addition to the CR200 features, is equipped with a built in rechargeable battery and GSM jamming detection algorithms for improved compliance with vehicle security applications. The devices are fully certified for automotive standards in accordance with EU and US directives.

### FEATURES

- Small size for quick and easy installation
- Built-in Motion Sensor for movement & towing detection
- Built-in Quad band modem and GPS with internal antennas
- Event Memory: ~5K full time stamped events
- GPRS / SMS communication types
- GPIOs
- Cellocator+™ Maintenance server support (Optional)
- Roaming management
- Geo-Fence management
- Online event-driven reporting
- OTA configurable
- OTA upgradable
- Operational Temperature (w/o battery):  
-30°C up to +70°C
- Dimensions: 91 X 71 X 23 mm
- Current in sleep mode: as low as 2mA
- Certifications: CE (R&TTE, EMC, Safety), FCC EMC, IC EMC, E-Mark, PTCRB
- Supports 6 wires harness
- Supports 2 wires Fuse Harness for easy installation

## Inputs & Outputs

**Inputs** 1 internally pulled down input dedicated for ignition switch  
1 internally pulled up GPI with assignable functionality and configurable polarity

**Outputs** 2 general purpose open drain outputs (250mA max) with assignable functionality

**Motion sensor** For movement and towing detection

## Interfaces

**COM port** Selectable baud rate (9600 or 115000bps)  
TTL levels (external TTL-USB adaptor)  
8 bit; 1 Stop Bit; No Parity Configuration  
Firmware upgrade

**Connectors** 10pin Molex, Automotive

## Power

**Input Voltage** 9-32VDC

**Average Current consumption** **Normal:** 40mA  
**Economic:** 23mA  
**Hibernation:** <2mA

**Internal Battery (CR-200B)** Li-Ion Polymer, 3.7V, 440mAh, rechargeable  
Embedded NTC for temperature controlled charging  
Operating Temperature: -18 (65% charge) ffi 60°C

**Internal Battery (CR-200B)** **Battery Monitoring:** Temperature (NTC) & voltage  
**Autonomy:** Up to 40 Tx @ 1Msg/min @ 25°C  
**Protections:** over current, overcharge and over discharge

## Vehicle environment immunity

**Immunity** Compliant with ISO 11452 and 7637 (in accordance with UN ECE-R10 E-Mark directive)

## Environment

**Temp, operating** -30°C to +70°C full performance  
-40°C to +85°C – degraded communication

**Temp, storage** -40°C to +85°C

**Humidity** 95% non-condensing

**Protection** IP40

**Vibration, Impact** ISO 16750

**Mounting** Tie-wraps and/or two sided adhesive

## Certifications

**FCC** Part 15 Subpart B, part 22/24 compliant

**CE** CE EMC & R&TTE according to 89/336/EEC or 1999/5/EC  
CE Safety EN60950-1:2006+A11:2009  
Automotive Directive 2004/104/EC (E-Mark)

**IC** Industrial Canada

**E-Mark** UN ECE-R10 directive

**PTCRB** TRP, TIS, Spurious and harmonics emission

## Dimensions & Weight

**Dimensions** 91 X 71 X 23 mm

**Weight** ~100gr (appx.)

