

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

TECHNICAL SPECIFICATIONS

Communication

GSM Modes	GPRS CLASS 10, PDU SMS
Bands	Quad band: 850, 900, 1800, 1900MHz
Power Output	2W, 1W
SIM	Internal, replaceable
Antenna	Internal, quad band GSM antenna
Packet Data	TCP/IP, UDP/IP
SMS	PDU

GPS

Technology	Chipset: SiRFIII GSC3F/LP single chipset
Sensitivity (Tracking)	-159dBm
Acquisition (normal)	Cold < 42Sec, Warm < 35Sec, Hot < 1Sec
Antenna	On board, internal patch antenna



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)
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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.)

FOR MORE INFORMATION

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