



C4

Your powerful track and trace device in a small box



Powerful, flexible,
READY TO USE AND OPEN

LOCATION SERVICES



GPS DRIVER

- Signal
- GPS management: stop, start, reset, the GPS
- AGPS (optional)
- Select antenna source (internal/external)



COMMUNICATION ENGINE (GPRS & SMS)

- Define communication strategy :
Periodic, event driven
- Define protocol (TCP, UDP, ...) frame format (through frame generator...)
- Define roaming strategy (save data and no communication, reduced communication, preferred operator definition...)



RTC MANAGEMENT

Time control all features of the device including wake up and shut down/sleep



POWER MANAGEMENT

- Configure independently power modes of every module - static/predictive mode.
- Wake-up conditions (triggered by movement, signal change, timer,...)



GPS ODOMETER AND MOVEMENT SENSOR

- Movement start/stop
- Mileage, speed, heading



POI, polygon, line event handling generation

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A combination of best-in-class features, in a very robust software framework : unique sensitivity (increased through assisted GPS option), reliable communication engine, very flexible local and remote administration and monitoring tools (including network monitoring) update and recovery modes, very comprehensive software features such as geofencing, event handling, configurable data recorder (periodic, event-driven, heading triggered, combination, ...), sophisticated power management allowing to separately fine-tune power modes and conditions of all sub-modules, sleep and deep sleep, powerful tcp proxy for PDA's, 1-Wire support identification, temperature sensors), and many more.



The C4 is also fully programmable through our powerful SDK which lets you modify all its features according to your specific needs.

HARDWARE FEATURES

Performance

• ARM9 processor	208 MHz
• SDRAM	32 Mbytes
• Flash	128 Mbytes
• Hardware watchdog	1

Positioning

• GPS Sirf Star III	1
• GPS antenna	Internal or external

Communication

• GSM	1
• GSM antenna	internal (external as an option)
• WiFi	only available in premium version
• Bluetooth	only available in premium version
• Phone	Option

Power supply

• Automotive power supply (9-36V)	1
• Charger + power path	1
• Ignition detection	1
• Internal battery	1300 mA. h

Interface & Telematics features

• RS232	2(*)
• USB	1 (host/device)
• Ignition	1
• Alarm	1
• Digital Inputs	3(**)
• Digital outputs	2(**)
• 1-wire	1
• 3D accelerometer	1
• CAN high speed interface	Option
• Digital tachograph	Option
• ISO9141 (K-Line/L-Line)	Option
• LED	1 status + 3 user

SOFTWARE FEATURES

Fast configuration

Easy local and remote administration console

Full over the air update and administration

Fast boot (5 seconds)

A-GPS (optional)

Flexible tracking

Advanced geofencing

Smart tracking strategy (time, speed, heading, mileage)

Driver profiling (harsch breaking/acceleration detection)

eOBD (optional)

Comprehensive list of drivers for peripherals (reefer, tachometer, weight, bar-code scanner...)

(*) CAN option uses one RS232

(**) ISO 9141 (K-Line/L-Line) uses 1 input and 1 or 2 outputs