

# G100

MODULAR EXPANDABLE  
TELEMATICS DEVICE  
WITH FLEXI-CARD SLOT



The G100 is a highly capable GPS/GLONASS cellular tracker with a variety of inputs and outputs.

The Flexi-Card slot sets it apart, providing endless integration and expansion possibilities.

A truly flexible telematics platform.

A full featured telematics platform with the benefit of flexibility.



...The modular Flexi-card system further expands features and integration options.

***Comprehensive telematics device  
with modular flexibility.  
Multiple expansion possibilities.***

## KEY FEATURES

- 24/7 Vehicle Location
- Cellular data when in coverage
- Iridium satellite out of cell coverage
- Man Down Pendant (option)
- Wi-Fi, Bluetooth, RF (Flexi-Card)\*
- RF Asset Tag Gateway (Flexi-Card)\*
- Ignition + 4 inputs and 2 outputs
- Fuel/Temp/Humidity sensor options
- PLC interfaces: RS232 & RS485

## WORKS FOR...

- Commercial Trucks & Trailers
- Fleet & 4x4 Vehicles
- Site Offices & Control Rooms
- Cross Border (Boats & Ships)
- Construction & Forestry
- Agricultural Vehicles & Sites
- Refrigeration, Vending & Retail
- Construction Equipment
- Oil, Gas & Mining Rigs

## APPLICATIONS

- Lone & Remote Workers
- Out of cellular coverage locations
- Cold Chain Management
- Mining, Oil & Gas
- Agricultural, Parks & Wildlife
- Fisheries & Marine
- Government & Health workers
- Utilities & Infrastructure
- Police & Defence

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# Modular Flexi-Card system provides expansion for Satellite, Wi-Fi, RF, Bluetooth and other technologies.

# G100

## Concurrent GPS & GLONASS

The G100 can simultaneously use GPS and GLONASS satellites, providing double the number of positioning satellites than standard tracking products, and uses offline satellite aiding technology. The result is faster acquisition and more accurate and reliable tracking in locations where other devices just give up.

## Easy to Install

The 12 wire plug-in harness, and internal antennas simplifies installation. (Optional OBD plug-in install. Power only)

## Communications

2G/3G/4G built in. Iridium, Wifi\*, Bluetooth\*, RF and other available via Flexi-Cards

## Interface Options

RS232, DM-CAN and 1-Wire built in. RS485, I<sup>2</sup>C, J1939, and PT100 available via Flexi-Cards.

## Driver Management

Identify drivers by RFID reader, Dallas iButton, 5 Digit Keypad, CAN Console with driver lists stored in device memory.

## 6 x Flexi-Card IO

The Flexi-Card is connected to 6 wires in the 18 or 24 wire harness.

## 3D Accelerometer

The 3 axis accelerometer intelligently alerts on accident\*\* and roll-over events as well as driver behavior such as harsh braking, acceleration, cornering and over-speed.

\*\*Suitable installation and setup required.

## Inputs & Outputs

Includes an Ignition and 4 x Digital Inputs (configurable over the air) as well as 2 outputs (switched ground output)



### MECHANICAL FEATURES

Dimensions (mm)	L 125 x W 65 x H 30
Weight	250 grams including battery
Housing	Snap-clip ABS plastic
Harness	18 or 24 pin wire harness
Fitment	Screw holes / strap slots
Operating temp range	-30°C to +85°C

### POWER

Automotive Power	8V to 45V DC
Operating Current	10mA average (fully charged) 145mA average (charging)
Sleep Current	<1mA (sleep)
Internal Battery	800mAh LiPo battery pack

### CONNECTIVITY

Cellular Built-in	2G/3G/4G (Various Global Bands)
SIM	SIM holder for standard Cellular SIM card
GPS & Cellular Antenna	Internal antennas tuned by RF laboratories to ensure optimal performance.

### GPS TRACKING

UBLOX MAX8 GPS	High sensitivity Assisted GPS receiver, 72 channel (-167dBm)
GPS / GLONASS	Concurrent GPS/GLONASS
Antenna with Low noise GPS amplifier	Signal amplifier improves operation in garages and "urban canyons"

### SMARTS

Recovery Mode	Switch from Daily Locate to Live Tracking over-the-air
Auto-APN	Analyse SIM and detect APN from pre-loaded list
AssistNow Offline	Predicts satellite locations • reduce the time-to-first-fix • improves performance in 'urban canyons'
G-Force Events (3 axis accelerometer)	Accident and Rollover, Accident Data (Black Box) Harsh Acceleration, Braking & Cornering
RFID Driver ID	Driver Identification (Keyfobs) Driver Lists on device
Geo-Fences*	Store 100's in local memory
Satellite Fail-Over Flexi-Card	out of GSM coverage, report important data via Iridium

### INTERFACES

iButton, RS232, DMCAN, 5V out, Garmin FMI\*

### INPUTS & OUTPUTS

5 x Digital Inputs	Configurable Over-the-Air
2 x Digital Outputs	Switched ground output

### INTERNAL COMPONENTS

Internal flash memory, Buzzer, Diagnostic LED

### CERTIFICATIONS

CE, A-Tick, ICASA, others in progress

\*Subject to firmware version



Other telematics devices in our range:



5 Year Battery



Affordability



Solar-Powered



Rugged IP67

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