

DG100

Modular and expandable telematics device
with Flexi-Card slot



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The DG100 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.

Features

- 24/7 Vehicle location
- Cellular data when in coverage
- Iridium satellite out of cell coverage (option)
- Man Down Pendant (option)
- Iridium, Wi-Fi, RF (Flexi-Card options)
- Ignition + 4 Inputs and 2 Outputs
- Driver ID: RFID and iButton
- PLC interfaces: RS232 and RS485
- 3D Accelerometer
- Internal Back-up Battery

Applications



Vehicle and
fleet tracking



Lone and
remote workers



Out of cellular
coverage locations



Cold chain
management



Agricultural vehicles
and sites



Mining, Oil
and Gas Rigs

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Mechanical Features	
Snap-Clip ABS Plastic Housing	Housing clips together for easy assembly
Operating temperature	-20°C to +60°C
Dimensions (mm)	L 125 x W 65 x H 30
Weight	250 grams including battery
Automotive Power	8-45V DC
Connectivity	
Cellular	2G/3G (Various Global Bands)
SIM	SIM holder for standard Cellular SIM card (2FF size)
GPS and Cellular Antenna	Internal antennas tuned by RF laboratories to ensure optimal performance
GPS Tracking	
GPS Module	U-Blox Max8 GPS, High sensitivity assisted GPS receiver, 72 channel (-167dBm)
AssistNow Offline	Predicts satellite locations Reduces the time to first fix Improves performance in “urban canyons”
Antenna with LNA	Boosted by low-noise amplifier (LNA) allows operation in “urban canyons”
Specifications	
Recovery Mode	Switch from Daily Locate to Live Tracking over-the-air
Auto-APN	Analyse SIM and detect APN from pre-loaded list
3D Accelerometer	3 axis accelerometer intelligently reports on harsh driving and suspected accident events, as well as harsh braking, acceleration and cornering
G-Force Events	Accident and Rollover Accident Data (Black Box) Harsh Acceleration, Braking and Cornering
Driver ID	Driver Identification with RFID or iButton (Keyfobs) Driver Lists on device
Inputs and Outputs Interfaces	5 x Digital Inputs configurable over-the-air 2 x Switched Ground Digital Outputs iButton, RS232, DMCAN, 5V Out
Flexi-card Slot	
Iridium Satellite	Auto-switch cellular/iridium When out of GSM coverage, important data reported via Iridium
	Wi-Fi, RF Gateway, RS485, PT100, I2C, 2 x Analogue
Flexi-Card IO	6 external wires connected to the Flexi-Card