

Dart -4G

Cellular LTE-M / NB-IoT

Robust and affordable vehicle tracking device with inputs/outputs, remote immobilization for fleet management, driver ID, driver safety and behavior monitoring, theft recovery, and more



Real-Time Tracking

High-precision GPS/GLONASS wired vehicle tracking device / Optional OBDII or cigarette lighter power harness available for plug-and-play installation



Inputs/Outputs

2 x Digital Inputs, 1 x Switched Ground Digital Output, 1 x Ignition Digital Input, Switched Power Out



Backup Battery

Internal Backup Battery in case of loss of power or tampering



Driver ID

Configure iButton® and RFID readers for Driver ID



Driver Behavior

Accident and rollover detection, speeding, harsh braking, and more



Remote Immobilization

Immobilization option to safely disable assets remotely



Mechanics / Design

Dimensions	95 x 55 x 17 mm (3.74 x 2.17 x 0.67")
Weight	79 g (2.79 oz)
Housing	ABS Polycarbonate Plastic
Operating Temperature	-20°C to +60°C (connected to external power) At < 0°C and > +40°C the internal backup battery will not be charged as a safety precaution due to the dangers associated with charging batteries at extreme temperatures.
3-Axis Accelerometer	3-Axis Accelerometer to detect movement, high G-force events, and more
Diagnostic LED	Diagnostic LED signifies operation status
Flash Memory	Store weeks of records if device is out of cellular coverage. Storage capacity for over 10 days of continuous 30-second logging.

Power

Input Voltage	8-36V DC (max).
Self-Resetting Fuse	Built-in self-resetting fuse makes installation simple and safe. Stringent automotive power "load dump" tests are conducted to ensure operation in the harshest electrical systems.
Operating Current	~25/50mA when moving ~150mA battery charging
Sleep Current	<1mA
Backup Battery	200mA LiPo internal backup battery pack

Interfaces

Digital Inputs	2 x digital inputs with configurable pull-up/down 0-48V DC input range On/Off thresholds: Pull-up enabled: low at 0.8V, high at 1.0V Pull-down enabled: low at 2.0V, high at 2.4V Can be used for pulse counting.
Digital Outputs	1 x Switched Ground digital output Easily wired up to switch external lights, relays, buzzers, etc Can be used to immobilize a vehicle
Ignition	1 x dedicated ignition digital input 0-48V DC 5V on/off threshold
Switched Power Out	3.5-4.5Vout Max current 200mA
TTL Interface	Serial interface used to connect a Digital Matter RFID reader for Driver ID
1-Wire® or iButton®	1-Wire® or iButton® can be used to read Driver ID tags. Readers available to suit multiple card formats.

Device Management

Flexible Configuration	Configure device parameters such as position update rate, movement and accelerometer settings, and more to fit any tracking application
OEM Server	Manage, monitor, configure, debug, update, and restart devices remotely from our cloud-based device management system