

GD100MG Tracker

Features



Designed with quality in mind to ensure compliance across various industries. The Disposable GD100MG provides real-time monitoring of location, temperature and light exposure for air and ground shipments. Quality, Loss Prevention, Logistics and Customer Service using one device on a single platform improves productivity and allows for faster decisions when supply chains are challenged.

24/7/365 command call center, Secure Web Portal.
Sampling and reporting intervals configured at time of shipment and can be changed while in-transit.

Improve operational productivity, enhance client visibility.
The first disposable GPS device on the market.
The GD100MG eliminates the challenges with reverse logistics.
SecureFlight™ suppresses transmissions during flight operations.
Independent lab tested RTCA/DO-160 meeting global regulatory requirements, including FAA and EASA.

Data maintained 2 (two) years. Unlimited users as part of RouteWatch.
Cargo embedment for ground and air shipments.



Automated Reports

TEMS report and automated arrival notices sent immediately upon arrival.



Real-Time Tracking

Real-time GPS tracking with GSM Cell Tower ID back-up.



Data Uploading

USB uploads data to our RouteWatch platform in the event of a communication failure, never risk your data.



Approvals/Certifications

SecureFlight™ approved on over 25 global Airline companies.*
GPS tracker certified under CE/FCC guidelines



LEDs

Visual LEDs for quick notification of Communication Interruptions or Out of Temperature



Battery / No charging

No Charging required (manage inventories without managing the shelf-life).



Alerts

Provides many capabilities for monitoring temperature, geo-fence (arrivals/departures), and light level.

Benefits

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Specifications

- **Model/Item:** GD100MG
- **Operating Band**
 - Cat M1/Cat NB1:
 - LTEFDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28
- **LTE-TDD:** B39(for Cat.M1only)
- **Data Transmission**
 - eMTC (DL) 375 Kbps
 - eMTC (UL) 375 Kbps
 - NB1(DL) 32 Kbps
 - NB1 (UL) 70 Kbps
- **GSM Specifications**
 - Frequency: 850/900/1800/1900 MHz
 - Data Transmission
 - GPRS multi-slot class 33 (33 by default)
 - EDGE multi-slot class 33 (33 by default)
- **GNSS Specifications**
 - GNSS Type: u-blox All-in-One GNSS receiver
 - Sensitivity
 - Autonomous: -147 dBm
 - Hot Start: -156 dBm
 - Reacquisition: -160 dBm
 - Tracking: -162 dBm
 - Position Accuracy (CEP) Autonomous: < 2.5m
 - TTFF (Open Sky)
 - Cold start: 27s average
 - Warm start: 27s average
 - Hot start: 1s average
- **Average Battery Life per Ping Rate:**
 - 1 minute: 5 Days
 - 5 minutes : 10 Days
 - 15 minutes : 15 Days



- **Interfaces**
 - KEYS
 - One power key for turning on or off the device, and one button for stop DATA sending
 - USB Port
 - One 4PIN USB port for upgrading and configuration
 - SIM card socket
 - One SIM card for ID identification and SMS
 - GSM Antenna: Internal only
 - GPS Antenna: Internal only
 - Indicator LED: CEL,GPS,PWR,DATA and TEMP
- **General Specifications**
 - Dimensions: 109mm*61mm*13(21)mm
 - Weight 110g
 - Operating Voltage 9V
 - Operating Temp: -20°C ~ +85°C
- **Air Interface Protocol**
 - Transmit Protocol: TCP, UDP, SMS
 - Scheduled Timing Report
 - Report position and status at preset intervals
 - Geo-fence:
 - alarm, support up to 20 geo-fence regions.
 - Power On Report
 - Report when the device is powered on