GD100MG Tracker

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.

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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℃ ~ +85℃

- **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