



Transport Tracker – GL300W

Multi-use solution for all types of cargo

GL300W is used for cargo monitoring and theft investigation. GL300W tracks the whole route that a shipment will take and will alert if the shipment doesn't arrive on time or deviates from the programmed route. The Unit can also send an alarm indicating that the package has been opened at an unscheduled time or unapproved location, and reports the Google Map location, time and date stamp of the incident. GL300W is used with RouteWatch™, a proprietary software platform with outstanding performance for protection of your assets, covert operations or transportation via air, sea or ground.

SecureFlight™ suppresses transmissions during flight operations to be FAA compliant.



- Cargo embedment for ground and air shipments.
- Secure website portal.
- Sampling and reporting intervals configured at time of shipment and can be changed while in-transit.
- Improves operational productivity and enhances client visibility.

Features



Automated Reports

Transport Environmental Monitoring System (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 Availability

USB uploads data in the event of a communication failure. Data is maintained 5 (five) years. Unlimited users on website portal.



Approvals/Certifications

SecureFlight™ approved on over 25 global Airline companies.*
GPS Tracker certified under CE/FCC guidelines. Independent lab tested RTCA/DO-160 meeting global regulatory requirements, including FAA and EASA.



Alerts

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



Battery / Charging

Up to 2 weeks of battery life.
Rechargeable/Reusable.



LEDs

Visual LEDs for quick notification of communication interruptions.



Flexible Ping Rates

Customizable ping rates.
Adjust pings remotely via RouteWatch platform.

**For a complete list of airline approvals, please contact 3SI.*

Specifications – GL300W Tracker

RF SPECIFICATIONS

Frequency

- GSM: 850/900/1800/1900 MHz
- UMTS: 850/1900/2100 MHz

Transmitting power

- Class 4 (33±2 dBm) for GSM 850 and EGSM 900
- Class 1 (30±2 dBm) for DCS 1800 and PCS 1900
- Class 3 (24+1/-3 dBm) for UMTS 850/1900/2100

GSM/GPRS data features

- GPRS multi-slot class 12 (10 by default)
- Coding scheme: CS-1, CS-2, CS-3 and CS-4
- Maximum of four Rx time slots per frame

Transmission data

- HSDPA R5: Max 3.6 Mbps (DL)
- WCDMA R99: Max 384 kbps (DL)/Max 384 kbps (UL)
- GPRS: Max 85.6 kbps (DL)/Max 85.6 kbps (UL)

HSDPA and WCDMA features

GPS SPECIFICATIONS

GPS Chipset: 56 channel u-blox all-in-one GPS receiver

Sensitivity:

- Autonomous: -147 dBm
- Hot start: -156 dBm
- Reacquisition: -160 dBm
- Tracking: -162 dBm

Position Accuracy (CEP)

- Autonomous: <2.5m
- SBAS: <2.0m

TTF (Open Sky)

- Cold start: 27s average
- Warm start: 27s average
- Hot start: 1s average

GENERAL SPECIFICATIONS

- Dimensions: 77.9mm x 39.9mm x 26.7mm
- Weight: 93g
- Internal battery: Li-Polymer 2600 mAh
- Water resistance: IPX5 compliant
- Charging voltage: 5V DC
- External battery voltage: 3.5V to 4.2V DC
- Operating temperature: -20°C ~+55°C



INTERFACES

- Digital Inputs:
 - One positive trigger input for ignition detection
 - One negative trigger input for normal use
- Power Button:
 - Power On and Off can be disabled by the air interface protocol
- Function button with vibration feedback
 - Emergency alert or instant geo-fence
- Internal only UMTS/HSDPA, GSM and GPS antennas
- LED indicators for CELL, GPS and Power
- Mini USB for external power and configuration
- Optional EMM Probe that detects light and temperature

AIR INTERFACE PROTOCOL

- Transmit Protocol: TCP, UDP, SMS
- Scheduled report: Report position and status according to preset time schedules
- Report when the Unit is powered On or Off
- Low power alarm when battery is low
- SOS alarm when functions key is pressed
- Special alarm based on digital input
- Motion alarm based on internal 3-axis accelerometer