



CASE STUDY

TRAILER TRACKING

Driving Smarter Trailer Tracking Solutions with Queclink



Queclink GV600 Series

PRODUCT:

LTE Rechargeable Ruggedized Waterproof Tracking Devices

APPLICATION:

Trailer Tracking

Background

Do you know that the global trailer market is growing at an astonishing speed? According to research from *Report Ocean*, global trailer market revenue is expected to reach US\$ 30 billion by 2030.

The expansion of the logistics industry, the emergence of cold chain transportation, decreased costs and increased cargo space are the primary drivers of the global automotive trailer market.

Accordingly, the growth of the trailer market set a higher demand for telematics solutions. Specifically, fleet managers and dispatchers need reliable trailer tracking solutions to improve fleet utilization and operational efficiency.

Challenges

Most of the players operating in the automotive trailer market were financially affected since the outbreak of the pandemic. Being active in transport and logistics, corporate leaders have to manage trailer fleets as efficiently as possible.







What trailer management challenges we are facing today:

- ◆ Can't precisely locate the trailer or truck, especially when without an external power supply
- ◆ Suffer frequent cargo loss & tremendous maintenance cost
- ◆ Being difficult to match the job with the proper trailer
- ◆ Having trouble tracking reefer temperature & fuel level
- ◆ Not sure how many hours a trailer is used in a given timeframe.
- ◆ Unable to verify when drops or pickups take place.

The rechargeable waterproof tracking devices, Queclink GV600 Series, is here to solve all your concerns, providing helpful telematics data and an instantaneous overview of the trailer fleets. Gives you the insight to reduce costs, reduce risk, and increase revenue.

Solution

The Queclink GV600 Series is more than just a regular tracking device. Why? It's specifically designed for heavy-duty vehicle applications including trailer, tanker, reefer and flatbed trucks. For wider deployment worldwide, the series now includes the GV620MG supports global LTE Cat M1/NB2 with 2G fallback and the GV600WG supports UMTS/GSM.

-  An internal large battery pack with 120 days standby time even when the trailer is disconnected
-  Supports dual external power sources and a serial interface for integration with refrigeration unit protocols, ideal for tracking refrigerated trailers
-  Supports BLE external sensors: temperature, humidity, fuel level, diver ID key fob and more
-  IP67 compliant ruggedized and waterproof case for use in harsh environments
-  Custom geo-fences to push alerts once the trailer departs from an established route
-  Multiple I/Os enable customized maintenance schedule based on actionable data such as vehicle usage, engine fault codes, mileage and more

Real-time information helps fleet managers understand each trailer's location and status. Avoid theft, operational malfunctions and misuse with expedient and easily accessible reports and alerts. Streamline most aspects of trailer management.



The GV600 Series trailer tracking solution enables your fleets to increase productivity and enhance customer satisfaction. This solution pays for itself within a matter of months.

Benefits



Fleet Visibility and Asset Security 24/7

Easily monitor any trailer status in real-time wherever they are, from city streets to rural highways, including battery status, location, movement, and compliance requirements. Total accountability of the entire logistics business and fleet efficiency. With reports & alarms for optimizing cargo capacity, fleet managers can quickly identify which trailers are not sticking to the scheduled routine.



Sensor Integration for Cold Chain Logistics

Access and manage both reefer device data and trailer tracking data via one seamless solution, enabling a more transparent view of your entire cold chain operation. Smart trackers and temperature sensors help to minimize the time your assets spend on the road.



Monitor and Minimize Maintenance Cost

Routinely performing preventive maintenance helps you to avoid the costlier repairs that can be incurred with breakdowns like a battery failure. Most maintenance schedules are mileage based. Traditionally, a fleet manager relies on the mileage data drivers record when fueling. With the telematics solution, a fleet manager can check the actual mileage on a vehicle at any time and send communications to drivers as they approach maintenance parameters.



Minimize Idle Time & Detention Charges

In partnership with software platforms, live data of the trailers are given to eliminate unaccounted-for equipment and reduce accidental idle time. Provide instant notification when a trailer has been unloaded, allowing dispatchers to quickly allocate the empty unit for the next job. And tracking how much time trailers are stuck in detention to determine precise time billing, and regain lost revenue.



Visibility on Decoupled Trailers

Traditional tracking solutions are often attached to a truck itself. One challenge that remains here, is gaining visibility on trailers when they are decoupled from a truck. This is crucial because the managers need to know at all times what happens to a trailer and whether they are used in a rightful way when no longer attached to a truck.

You don't have to bear with a compromise choice on hardware anymore. The GV600 Series allows you to enjoy the benefits of a robust vehicle tracker and a long standby asset tracker dedicated to trailer tracking.