

Ricon Mobile ((TrackBin))

Vehicle Appliance Datasheet



Efficiency Through Innovative Technology



RICON Intelligent Trash Bin

Remote Monitoring & Management Solution

RICON TrackBin® Solution has been developed specifically for the trash collection sector. It is dedicated for companies/administration units that wish to increase effectiveness and control of trash collection process as well as rationalize its costs.

Solution provides:

- Trash bin fill and temperature level remote monitoring
- In-time trash collection from various locations,
- Substantial cost savings (lower fuel cost, lower labor cost),
- Data storage for statistics and trend analyses,
- Helps to keep the environment clean.

RICON TrackBin® Solutions consists of:

- TrackBin® Device (with ultrasonic sensor for accurate non-contact trash level monitoring; temperature sensor for measuring temperature level inside the trash bin)
- TrackBin® Communication System for transferring collected data over mobile network to the management center
- TrackBin® Management Software with user web interface platform

TrackBin Quick Specifications



TrackBin



- Live Fill Level Monitoring
- Temperature Monitoring
- Trash Collection Alarms
- Device Status & Health
- Statistical Trend Analysis
- Substantial Cost Saving
- Reduced Labor & Fuel Costs
- Autonomous Industrial Design
- Mobile Monitoring For Vehicles
- Vehicles Global Positioning
- System (GPS)

Problem Overview

The main problems of the existing trash collection process are :

- » Lack of real-time information about the trash level in certain locations,
- » Lack of proper system for trash level trend analyses and statistics,
- » Loss of productivity due to inefficient utilization and irrational use of vehicles.

Due to growing population, urbanization and increasing consumption more attention is put into the trash management.

Smart Platform Features

Easy Monitoring

- » Map, showing the bin and vehicle locations
- » All Trackbin terminals on same view with quick health, level, temperature information
- » Alarm list which is populated using the user defined alarm criterias live
- » All/Group based regional level information

Customizable Data Flow

- » User defined level alarm thresholds
- » User defined temperature alarm thresholds
- » User defined terminal group views
- » User defined SmartRoute regional fencing

Intelligent Features

- » Advice for next collect date/time
- » Less fuel usage for saving
- » Automatic bin upgrade/downgrade advise to reduce the visit quantitiy
- » Regional efficiency report
- » Automatic wake up decision regarding alarm
- » Fully remote controlled
- » Battery replacement planner
- » Region/Group based SmartRouting
- » Instant alarms inside the vehicles for instant collection traspassing

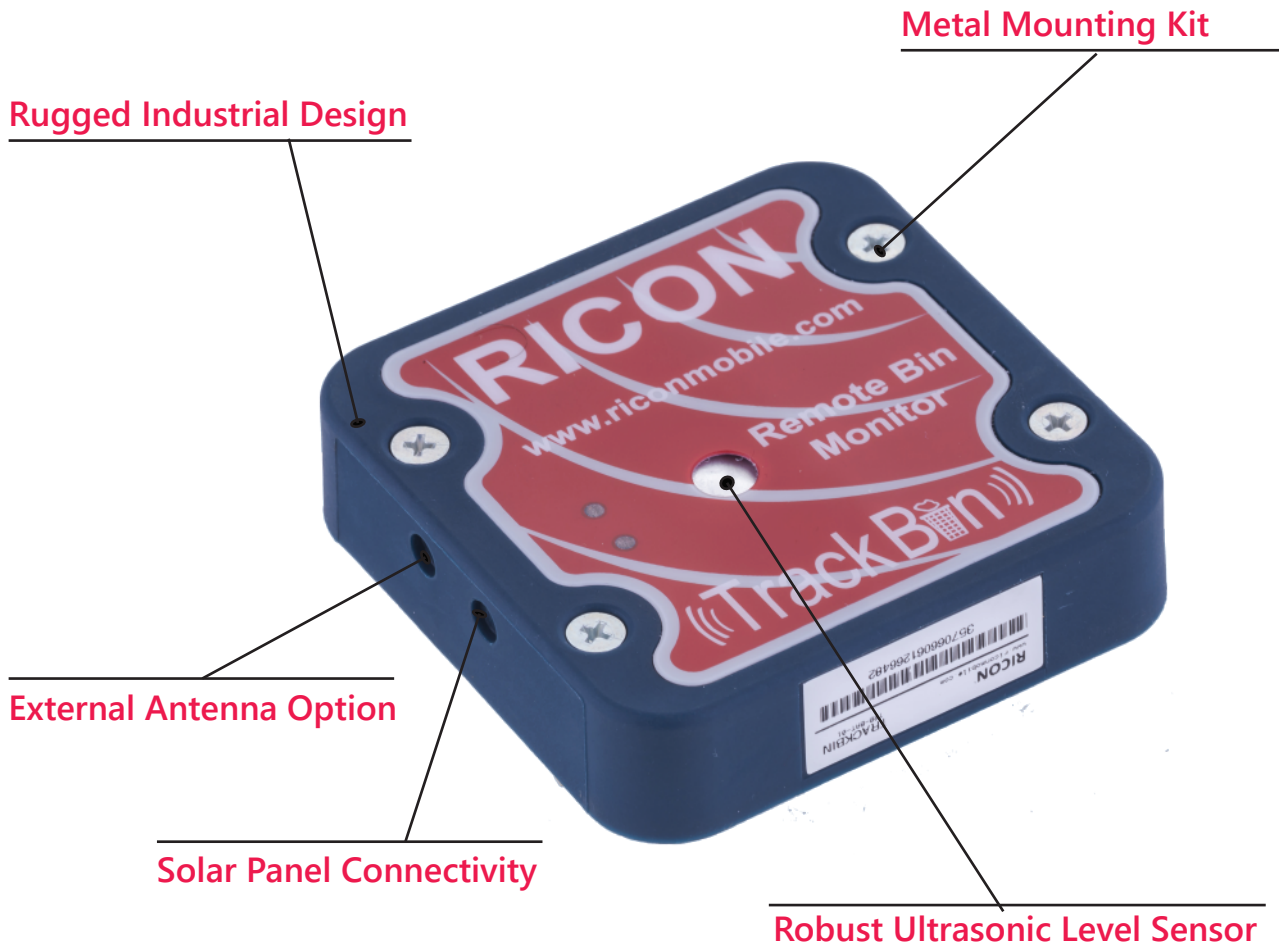


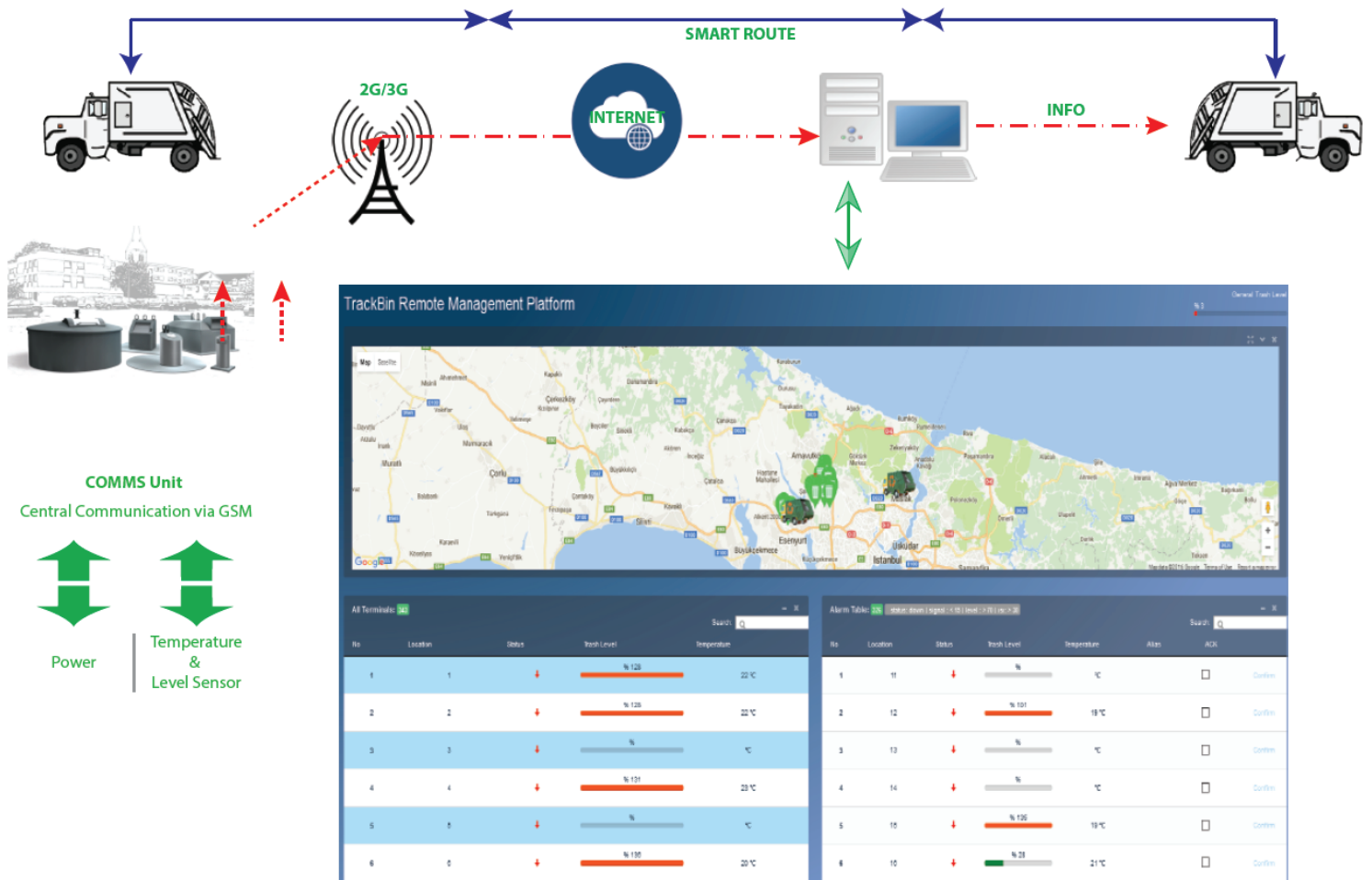
TRACKBIN Hardware Includes :

- » IP67 Housing produced with specially hardened plastic material
- » 92mmx92mmx23mm super small size
- » 2G & 3G (Optional) GSM Module for cellular access
- » Optional GPS Locator
- » Precision ultrasonic level sensor
- » Internal temperature sensor
- » 4500mAh powerful, rechargeable battery module
- » Optional solar panel
- » Optional Alloy mounting kit

TRACKBIN Software Includes :

- » Easy Install server side services
- » Graphical Web User Interface
- » User-friendly and ergonomic usage
- » Local & Cloud base application
- » Android Tablet Application for Trucks
- » Instant push technology
- » Full Map View for operations
- » Smart routing with instant publish feature
- » Customer Management and reporting
- » Advanced user/group/customer management





CONTACT

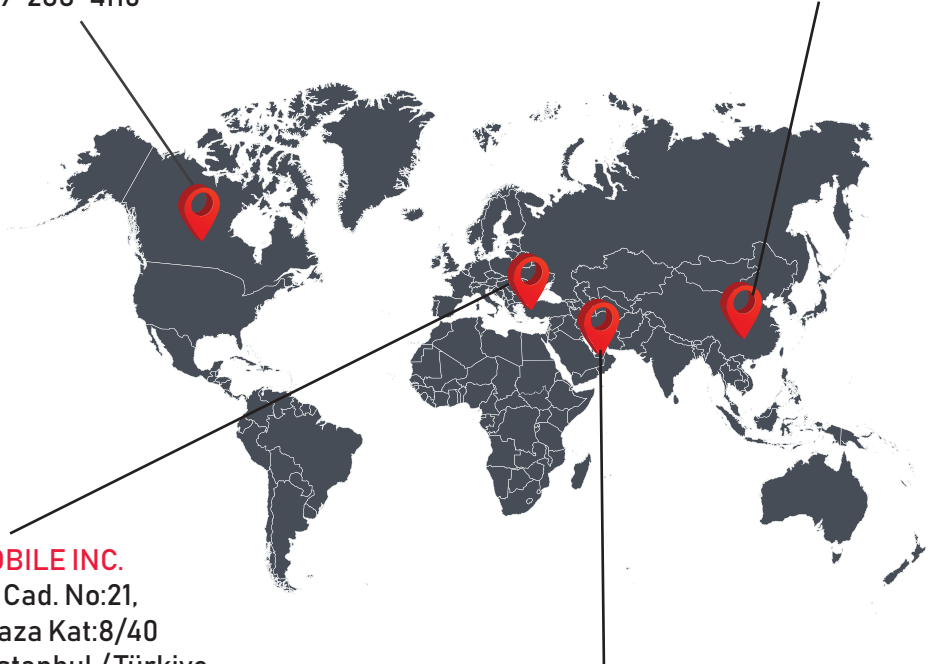
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