

# Ricon Mobile ((Track Bin))



## 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

### Intelligent Features

- » Advice for next collect date/time
- » Less fuel usage for saving
- » Automatic bin upgrade/downgrade advise to reduce the visit quantity
- » 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

### Customizable Data Flow

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

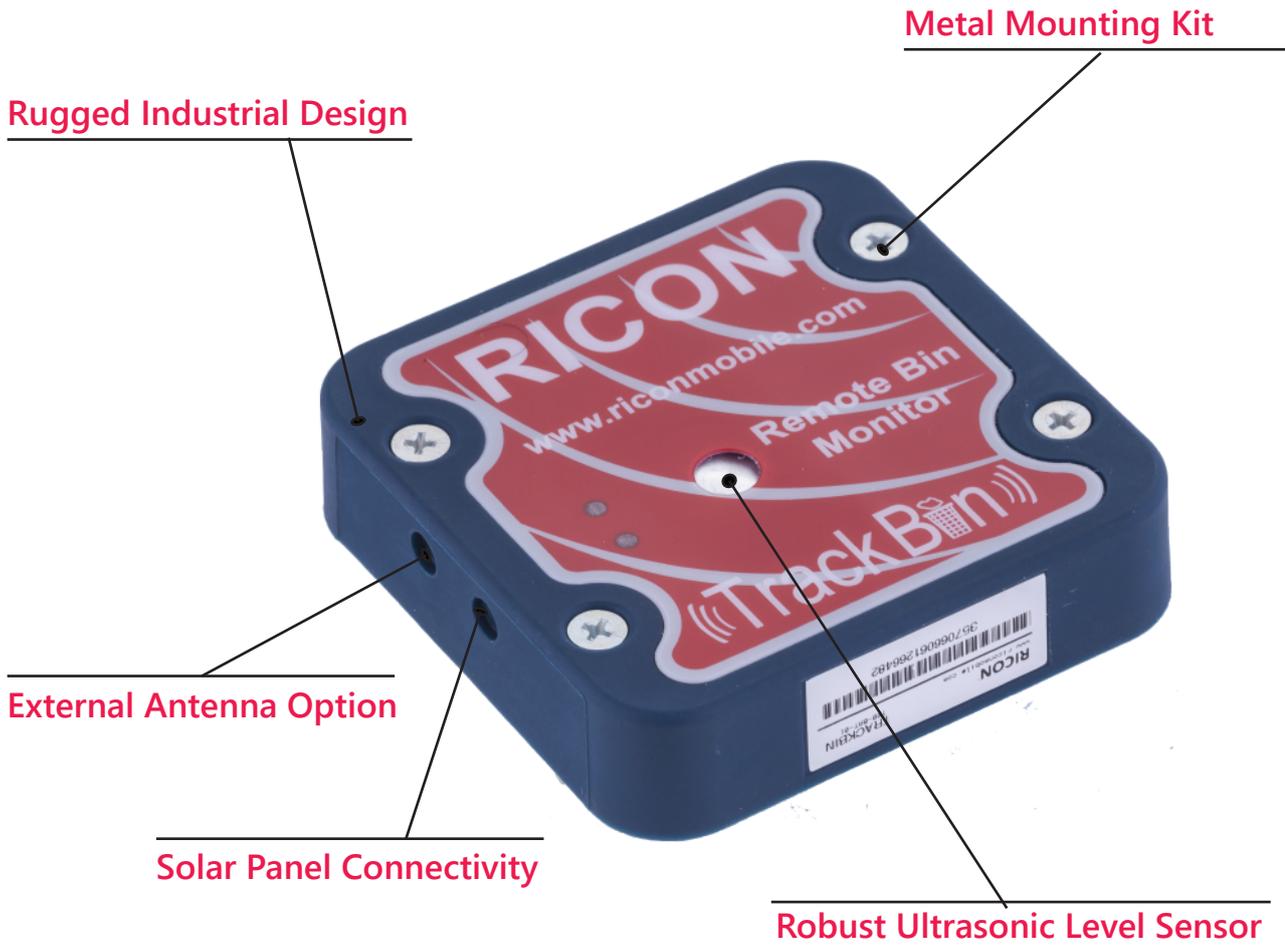


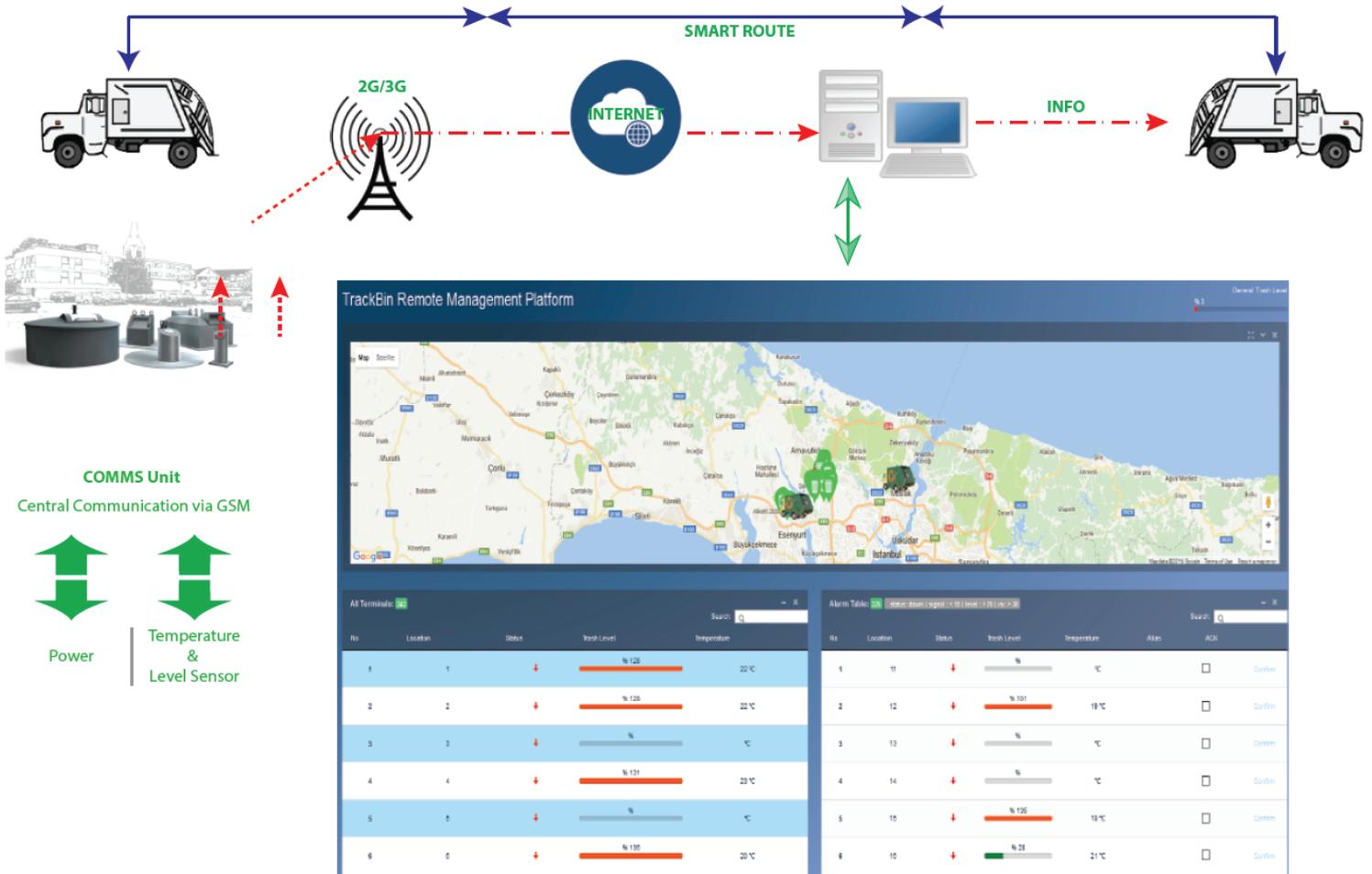
**TRACKBIN Hardware Includes :**

- » 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

## RICON GLOBAL OFFICES

### RICON MOBILE INC. (HQ)

460 Brant Street  
Unit 300  
Burlington, Ontario  
Canada L7R4B6  
Phone: 289-288-4110

### RICON MOBILE INC. LTD.

F5-Building 3,  
FengMenAo Industrial Park,  
Bantian Streets, Longgang District  
Shenzen, 51829, China



### RICON MOBILE INC.

Ahi Evran Cad. No:21,  
Polaris Plaza Kat:8/40  
Maslak / Istanbul / Türkiye  
Phone: +90-212-346-2600

### RICON MOBILE INC. FZE

Ras Al Khaimah U.A.E.  
Phone: +97-172-041-010