

Tag Park

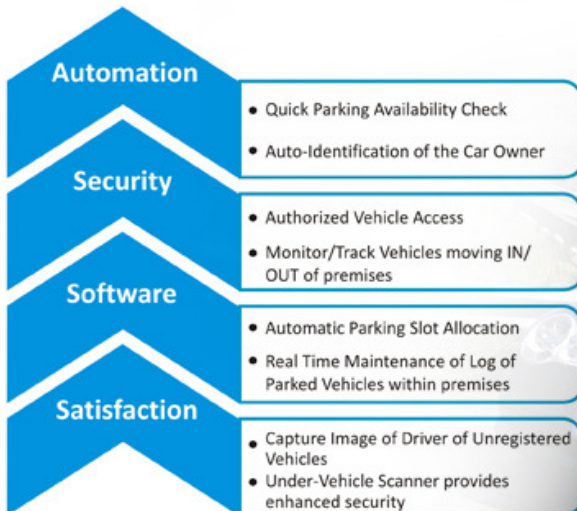
A PARKING MANAGEMENT SOLUTION

Complexes with very high inflow/outflow of vehicles often face the following challenges:

- Manual Management – Identification , Verification & Authentication of vehicles
- Manual Data capturing
- High Turn Around Time
- No real time parking status data
- No state of the art parking facility

TagPark is a combination of automated identification, capturing and tracking of vehicles using Ultra High Frequency Radio Frequency Identification (RFID) technology with real time display and elaborates reports for vehicle tracking analysis.

TagPark Working:



Hardware



UHF RFID Reader

- Supplies power to the RFID Antennas
- Acts as an interface between signals sent by Antennas and the Application Middleware



UHF Antenna

- Placed at sides of Entry/Exit Gates (number depends on width of Gate)
- Track Cars entering/leaving the Building
- Record IN/OUT time of the cars
- Allow authorized Cars to enter the building

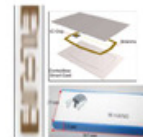


UHF RFID Reader with Built-In Antenna

- RFID Reader with Built-In Antenna within the same enclosure
- Track Cars entering/leaving the Building
- Record IN/OUT time of the cars
- Allow authorized Cars to enter the building



- Only after a green signal received from the RFID hardware, the boom barrier opens
- To not let the un-authorized cars forcibly enter the premises



RFID TAGS

- RFID tag is pasted behind Parking Sticker of every Car
- Tag is identified on proper detection by Fixed RFID Reader & Antenna or Handheld Reader

- Tag Id is mapped to Vehicle Registration Number and its attributes in the database
- Helps in easy identification & authorization of vehicles



HANDHELD READER

- The portable handheld reader can be moved along the windshields of the cars without touching them
- Screens the complete vehicle information thus helping in identification incase of reader failure
- Helps searching for a misplaced Car
- Locates any particular vehicle as requested

Basic Features

- Monitor & record vehicles going IN/OUT of the Gate Integrated with Boom-barrier to provide restricted access to the premises
- Provision for automatic email of Daily Report to the Administrator

Optional Features

- Automatic Parking Slot allocation
- Integral with Under-Vehicle Scanner (UVS) for enhanced security
- Integrated with Security Cameras to capture the driver of the unrecognized vehicle-
- Display of Parking space on the Screen

Software Features

- Report generation for any particular date providing details such as List of vehicles and their Identity along with their recorded IN/OUT times
- Provision to print reports for analysis
- Auto-lock down of the boom-barrier in case of foreign material detection in a vehicle

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