



# ACCESS CONTROL FOR GATED COMMUNITIES

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### **Business Challenge**

The popularity of gated communities is on the rise and security is usually given as one of the huge deciding factors – limiting traffic to residents and controlling who can access the community. And while residential gated community life does offer a sense of security, there are still many challenges to access control.

There are major drawbacks in using traditional access control. Proximity readers, barcodes and magnetic stripes require the user to place the badge within close range or make contact with the reader. These deficiencies can be burdensome and time-consuming.

### **The RFID solution**

Wavetrend's active RFID technology can provide an easy and effective solution. This real-time technology takes access management to the next level, delivering unbeatable visibility, accuracy and security. With RFID, users can handle the RFID badge from much greater distances than conventional systems. Our windscreen tag can be read up to 100 meters from the RFID reader – eliminating the need to use codes or clickers while sustaining greater control and security.

With RFID, the user is assigned a RFID access card which is attached to the windshield – enabling a truly, automatic, hands-free vehicle access solution. To gain access to the residential area, the vehicle can simply approach the gate and the card is automatically read and access is gained – there's no need for the user to stop and make contact with the reader.

### **The benefits of an access control system:**

By automating access control, RFID delivers a wide range of benefits that help create the safest environment possible:

- Increased security- Reduced criminal activity
- Unmanned controlled access
- Limit access to restricted areas
- Audit trail of entry and exit point and time
- Emergency incident management
- Improve loss prevention
- Faster access for residents

# SOLUTION OVERVIEW

Utilising its suite of applicable technologies, **Wavetrend** offers its extensive range of products to deliver integrated solutions that address today's security problems.

## TAG

### TGP-A-WH – Windscreen Tag

The Windshield tag has higher heat/cold resistance than the standard TGP-A tag and is intended for use in vehicles or indoors with access control, personnel and non-metal asset tracking and management applications. The tag incorporates a motion sensor giving immediate alerts on movement, and offers different user-configurable rates for both alert and status (regular) transmissions.

## READER

### RX211 – Access Reader

The RX211 provides instant reporting of all detected Wavetrend active RFID tags. It supports RS232, RS485 and USB connection and can operate in rugged conditions at ultra long ranges, subject to the appropriate antenna being fitted to the unit. The RX211 can be configured to run in direct control via a PC or in response mode as a standalone unit. In direct control mode the client PC will receive data from the Access reader and can switch the readers IO's on/off to lift barriers open/ shut doors as directed.

The Wavetrend RX211 provides the perfect access solution. Up to 500 unique tag IDs and IO positions can be loaded into the Access reader. An upgrade is available to increase the standard number of tag IDs and IO positions if required. Once the tag IDs and IO positions are uploaded the reader will respond automatically without the need for a PC and software application.

The RX211 data output can be selected as a Wiegand output allowing it to be directly controlled by existing door controllers.



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