Application Note
Standalone Access Control System

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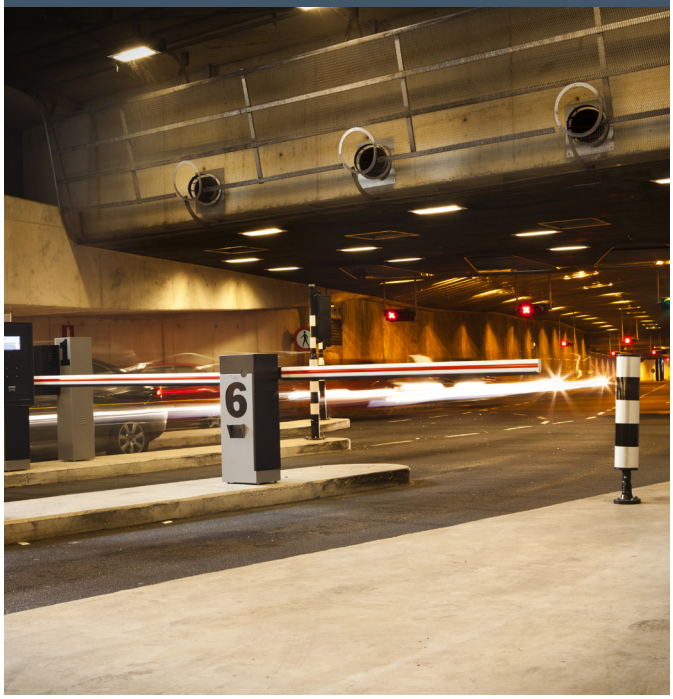

OVERVIEW

A typical parking access control system will consists of the following equipment:

a. Barrier
b. RFID reader
c. Access controller
d. PC hardware + OS
e. Licensed Parking software

The above usually applies to all parking systems small and large.

This application note highlights the ability to reduce the cost of simpler installations with TagMaster RFID readers. The equipment you will need is only as follow:

a. Barrier
b. TagMaster RFID reader

HOW WE HELP

1. Built in database

All TagMaster RFID readers have a built in database. Users can deploy a white list to the readers so that the reader will operate the barriers when a valid card is displayed.

To use the access control feature on the XT series reader, a MicroSD card is required.

2. Built in logging feature

The built in logging feature will list the number of detections of valid and also invalid tags. The log can be retrieved by the user manually.
User can select whether to log all card reads or just valid cards.
A timestamp of date and time will accompany each log entry so users will have visibility of the time of detection.

3. Configurable reader action

TagMaster RFID readers can be configured to blink a certain colour when a valid or invalid tag is detected.

It can also be used to activate a barrier via the dry contact available on the TagMaster RFID readers.

The dry contact activation time can also be configured to cater for different barrier requirements.

This also allows the reader output to be connected to a wide variety of contact driven gate devices such as:

a. Barriers
b. Automatic Gates
c. Bollards
d. Traffic Light

4. Loop detector connection option

The TagMaster XT reader has a loop controller input so the user have the option of using an external loop detector with the access control feature. This allows the reader to detect the presence of vehicles.

5. Low costs and simple installation

The features built into the TagMaster RFID readers allow for a very low cost implementations of standalone parking systems that can be offline and can operate without user intervention.

PRODUCTS USED

XT-series of readers with passive ID-tags/cards

LR-series of reader and LR-ID-tags

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