**TagMaster**

*North America, Inc.*

NEW
generation

AVI
Automatic Vehicle Identification

long-range
RFID

parking

# **TagMaster RFID** - Automatic Vehicle Identification

In the parking and vehicle access industries, AVI (Automatic Vehicle Identification) is the solution for secure and convenient hands-free access control. AVI refers to hands-free, automatic identification of vehicles for safe access control. AVI is often used for commercial and corporate parking areas, gated communities, airport parking, university parking and hospitals.

### TagMaster RFID

Using a technique known as RFID (Radio Frequency Identification), TagMaster automatically identifies large moving objects at long distances. TagMaster, a pioneer in the development of long-range RFID, has introduced the technology into a variety of applications, including vehicle access control and parking. TagMaster's RFID products are used worldwide in proprietary systems, standard access control systems as well as in major parking equipment systems. The operating frequency 2.45 GHz and low output power allows for licence-free installation worldwide. TagMaster is represented worldwide through a network of distributors, systems integrators and OEM partners.



## Compact design
### Industry Standard Interfaces
## Easy to install

## Linux OS
### Open Development Platform
## Ethernet TCP/IP

### A new generation of readers

A completely new generation of TagMaster long-range RFID readers is now being introduced to the parking and vehicle access industries all over the world. The new generation of long-range readers incorporates the latest cutting edge technology with several innovative features and a clean and modern design. The new generation is fully backwards compatible and can be installed in existing installations.

The new generation will contain three reader models, the **LR-3**, **LR-6** and **LR-12**. The number indicates the read-range of the reader in metres. The design of the reader also features an IP65 enclosure, which means the readers are fully protected from the environment and do not need any extra protection when installed outside. An open source Linux platform facilitates installation and customer modifications to suit individual access control applications. With features such as Ethernet connectivity and web based management tools, the readers support the latest developments in system design now being introduced within the industry.

# Access control applications

### Bollards, Spain

As in many European countries, vehicle access to the pedestrians' areas in the city centre is strictly controlled during rush hours by hydraulic rising bollards. In Spain, many cities use TagMaster's long-range AVI system for authorised vehicles to gain access to these areas. An ID-tag from TagMaster, fixed inside the windscreen, gives the driver convenient and safe access without opening the window.



### Harbour access, Finland

The port of Turku in Finland has increased the level of security for the port area by implementing the AVI system from TagMaster. By integrating TagMaster's long-range RFID system with a License Plate Recognition system, the port authority gained a complete access control and tracking solution for the vehicles authorized to access the port area.



### Hospital access, Hong Kong

To provide the ambulances and hospital employees with a truly hands-free and fast vehicle access, Queen Mary Hospital in Hong Kong decided to install the TagMaster AVI system. As a result, traffic flow at rush hours is significantly improved. Furthermore, non-permitted vehicles are at the same time prevented from entering the restricted hospital areas.



### Truck access, Sweden

The gold mine in Boliden has been the first of several mines and smelters that benefit from convenient and secure access control for the delivery trucks. The trucks conveniently drive towards the gate where the truck is identified by a TagMaster reader. As the truck is identified a flashing light indicates that the truck has 15 seconds to pass the gate before it closes.



### Gated community, USA

One of the most important reasons why people choose to live in a gated community is the enhanced safety it provides. Boca Pointe Gated Community in Florida has installed TagMaster's long-range AVI system to provide the residents with both safe and convenient vehicle access. The residents can pass the barriers without opening windows or unlocking their cars.

# Parking applications

### Office parking, China

The employee parking in the famous Jin Mao building in Shanghai uses TagMaster RFID products for automatic vehicle identification. Tenants such as Dow Jones, Asahi Bank and Yamaha all benefit from fast and convenient access to the garage. Traffic flow at rush hours is improved and the queues are no longer a problem.



### Airport parking, Sweden

Frequent travellers benefit from convenient and secure access control to the Sky City parking garage at Stockholm Arlanda airport. Thanks to the TagMaster RFID system, frequent flyers save both time and money parking their cars without credit cards or cash. The small size TagMaster ID-tag gives the driver hands-free access to the garage and automatic debiting of parking fees to a predetermined account or invoicing address.



# Other applications

TagMaster supplies products to a variety of applications other than Access Control and Parking, for example Crane positioning, Logistics, Track and trace and Passenger information.

### Trolley tracking, Netherlands

To keep tax-free trolleys in the shopping areas, Schiphol Airport has installed the TagMaster RFID system that prevents travellers from bringing the trolleys into elevators and through automatic doors. The shopping area has seen a dramatic decrease in the number of lost trolleys. The travellers benefit from the sustained availability of shopping trolleys.



### Operator safety, Italy

The Italian company Bra Servizi operating in the waste recycling sector has selected the TagMaster RFID system for protection of the operators working in high-risk areas. The TagMaster RFID system is used as an active safety control system at the belt conveyors, providing a fully automatic shutdown in cases where an ID-tag is present in the danger zone.



For more information on TagMaster, please visit our website www.tagmastema.com or contact us at sales@tagmasterna.com