

# Long Range RFID

## **Automatic Vehicle Access**

Commercial Garages  
Corporate Parking  
Airports  
Hospitals  
Universities  
Municipalities  
Gated Communities

## **Fleet Management**

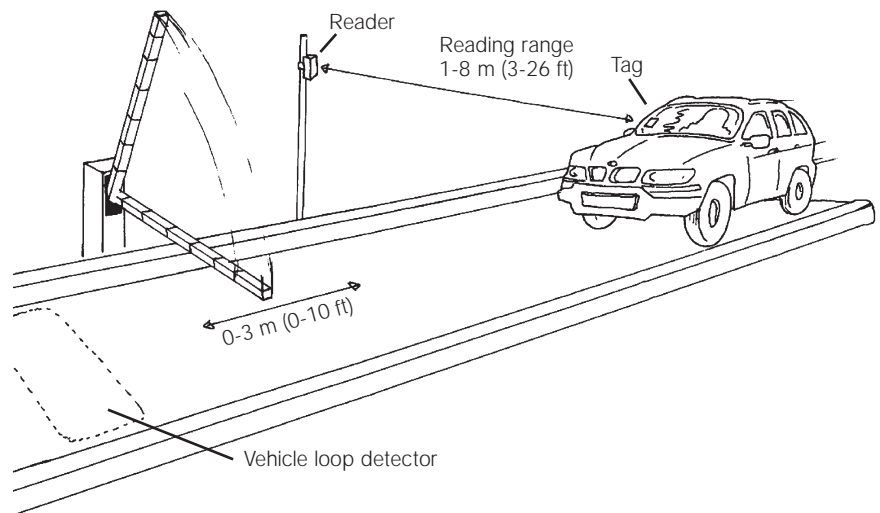
Trucks  
Buses  
Trams  
Taxis  
Trains

## **Tracking**

Trolleys  
Containers  
Trailers



# System



The TagMaster RFID system provides true hands-free vehicle access and tracking. Readers automatically read and write ID tags without any intervention from the user. The reading distance is up to 8 meters (26 feet) and operates even through windshields and clothes.

Typical installations are found where large moving objects need to be identified, whether they are cars, taxis, trucks, buses, containers as well as people. The TagMaster system is installed, for example, at airports, commercial garages, universities, hospitals and gated communities.

TagMaster employs a high-frequency radio link (2.45 GHz) for identification. Typical system features are 100 frequency channels for interference elimination, high data speed, anti-collision for multi-tag reading, predictable tag lifetime, to name just a few. The system works very well in dirty, electrically noisy or metallic environments. It is easily integrated with any kind of control system, thanks to industry standard interfaces, open architecture and user programmability.

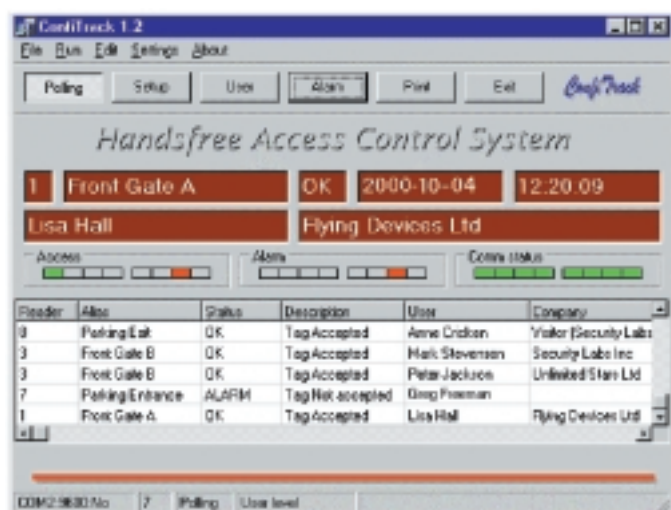
The TagMaster system is approved by regulatory authorities in the United States, Europe and major Asia and Pacific countries without any need for site licensing.

# PC Application Software

## S1756 ConfiTrack

Standard multi-reader access application

- Manages 8 readers.
- 15,000 tags/users per reader.
- Readers can operate in stand-alone mode to control doors or gates.
- Password protected user levels.
- Report printing.
- Alarm management.



## Readers

Readers are used to read and write tags. The reader includes both the controller and the RF antenna in a single unit. The small size of the reader enables easy and convenient installation.

### S1500 WiseMan

Stand-alone reader for access control

- Reading range up to 6 metres/20 feet.\*
- Built-in database for 15,000 tag IDs.
- Local, fast tag validation.
- RS232/RS485 interface.

### S1501/00 WatchMan

General purpose off-line reader

- Reading range up to 6 metres/20 feet.\*
- Controlled by host computer.
- RS232/RS485 interface.

### S1501/02 PassMan

On-line reader for access control systems

- Reading range up to 6 metres/20 feet.\*
- Seamless integration with existing access control systems.
- Wiegand, RS232/RS485, mag-stripe interfaces.

### S1503 WiseMan Long Range

Extended reading range stand-alone reader

- Reading range up to 8 metres/26 feet.\*
- Built-in database for 15,000 tag IDs.
- Local, fast tag validation.
- RS232/RS485 interface.

### S1504 PassMan Long Range

Extended reading range on-line reader for access control systems

- Reading range up to 8 metres/26 feet.\*
- Seamless integration with existing access control systems.
- Wiegand, RS232/RS485, mag-stripe interfaces.

\* The read range is a result of both the selected tag and reader settings, see appropriate product data sheet.

## Tags

TagMaster tags are read only or read/write. All types of tags have an eight-digit tag ID. They are compatible with each other and can be read and written by the same reader.

### S1255 MarkTag

Read-only card tag for access control

- 3 mm (0.12 in) thick.
- 6 year lifetime.
- Dashboard or windshield mounting.

### S1455 MarkTag HD

Read-only heavy-duty tag

- For heavy-duty, outdoor and industrial use.
- 10 year lifetime.

### S1456 MarkTag HDS

Read-only heavy-duty high-speed tag

- For train applications.
- 8 year lifetime.
- Passing speed 400 km/h (240 mph).

### S1251 ScriptTag

Read/write card tag

- 3 mm (0.12 in) thick.
- 6/8/10 year lifetime, depending on operating mode.
- 574 bit data memory.
- User configurable operating mode.

### S1253 PassTag

One time programmable card tag

- 3 mm (0.12 in) thick.
- 6/8/10 year lifetime, depending on operating mode.
- 574 bit data memory.
- User configurable operating mode.

### S1450 ScriptTag HD

Read/write heavy-duty tag

- For heavy-duty, outdoor and industrial use.
- 6/8/10 year lifetime, depending on operating mode.
- 574 bit data memory.
- User configurable operating mode.

Reader



Long Range Reader



Card Tag



HD/HDS Tag



## Reader Accessories

### S1952 ComFix

- S1500/1501 readers.
- Wall mounting.
- For indoor use.



### S1956 PoleFix

- S1500/1501 readers.
- Pole mounting.
- For outdoor use.



### S1957 PoleFix LR

- S1503/1504 readers.
- Pole mounting.
- For outdoor use.



### S1958 WallFix

- S1500/1501 readers.
- Wall mounting.
- For outdoor use.



### S1959 WallFix LR

- S1503/1504 readers.
- Wall mounting.
- For outdoor use.



## Tag Accessories

Tag holders are recommended for mounting and carrying.

### S1951 WinFix

Tag holder for windshield mounting

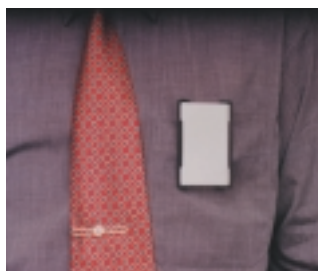
- Suitable for the S1200-series tags.
- Easy insertion and removal of card tags.



### S1953 CardKeep

Tag holder for general use

- Suitable for the S1200-series tags.
- Secures and protects tag from damage.



### S1954 CardTape

Adhesive for permanent mounting

- Suitable for S1200- and S1400-series tags.
- Attaches tag permanently to flat surfaces.

Further details concerning TagMaster products are contained in product data sheets, which, together with brochures and application information, are available from our web site at <http://www.tagmaster.com>.

# TagMaster