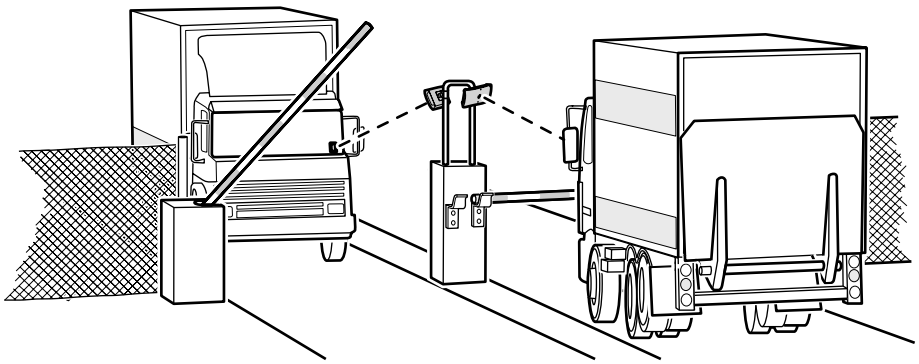
TagMaster

Vehicle Access Control - **Security**

Automatic Vehicle Identification (AVI) using wireless communication is a secure and convenient solution for vehicle access control. TagMaster's RFID (Radio Frequency Identification) system is ideally suited for AVI applications, where long read-range, high reliability and open connectivity are required.

Vehicle Access Control



The TagMaster reader can be connected to a central host or be used in a stand-alone configuration.

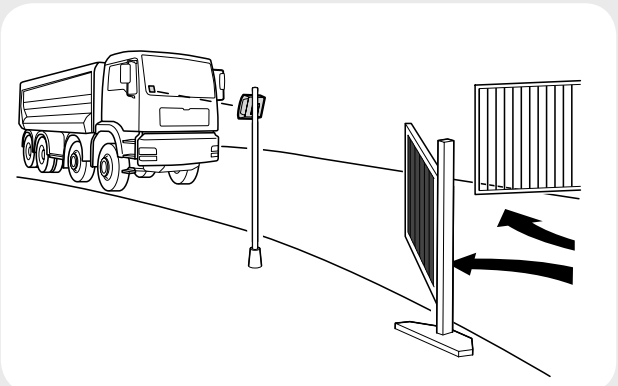
Stand-alone. The reader has an internal database to which the ID-tags' unique identities can be uploaded. The reader checks the identity and accepts/rejects the ID-tag based on ID-tag status. This is a cost effective solution for remote installations, where it is difficult or expensive with cable connections to a central host. Administration of the database is performed on site or remotely via GPRS or WLAN modules connected to the reader's USB interface.

Network Enabled. One or more readers can be linked to a central host. The ID-tags' identities are processed in the central host, which accepts/rejects the ID-tags and controls the barriers/gates. This is a common solution for access control systems.

"Non-Stop Access"

To achieve a "non-stop" vehicle access at installation sites equipped with gates that open slowly, we recommend mounting the readers further away from the gate.

From a security perspective, this is a safe way of entry, as the driver does not have to stop the vehicle. From an economical point of view, a non-stop solution will decrease fuel consumption and is more environmental friendly.

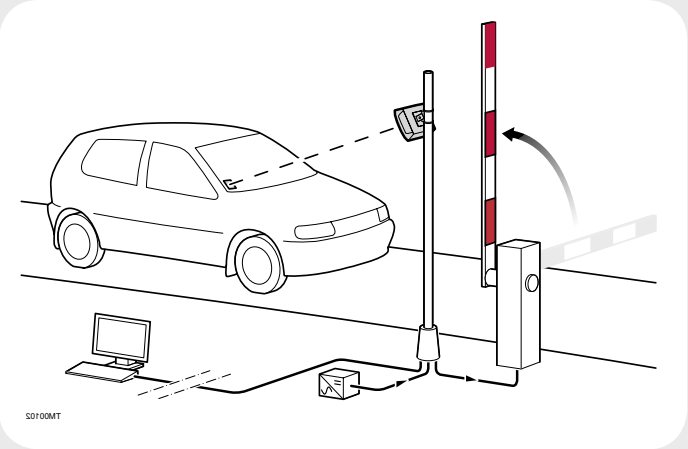


”Vehicle and Personal Access”

TagMaster’s CombiTag makes it possible to use one tag for both long-range and short-range identification.

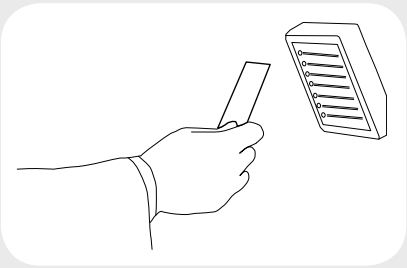
The CombiTag contains both long-range and proximity RFID technologies.

The driver uses the same ID-tag for vehicle access as well as for personal access.

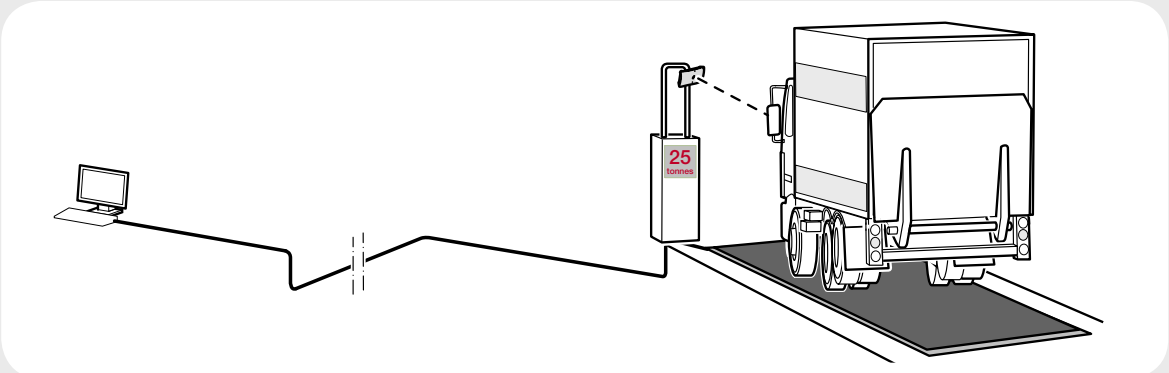


Removing the ID-tag from the parked vehicle also prevents vehicle theft, since it cannot leave without ID-tag.

The CombiTag can be configured with your choice of proximity supplier, i.e. HID, Mifare.



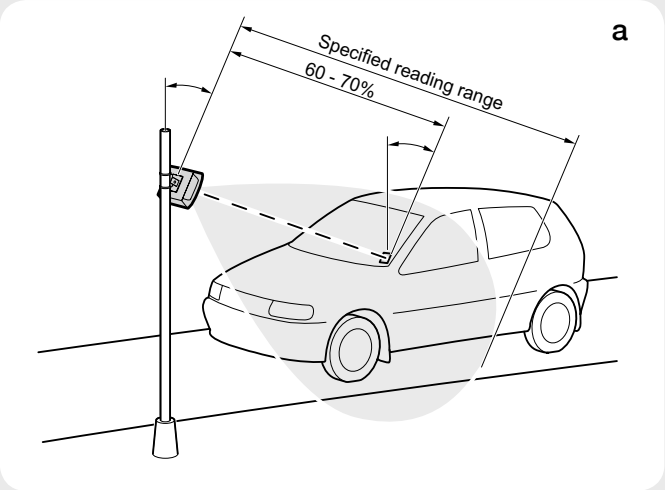
”Added Value”



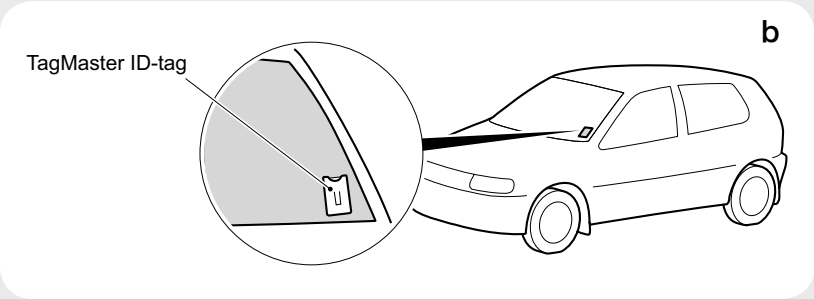
The TagMaster RFID system can also be used to add further value to the client’s business. A TagMaster reader can for example be linked to a fuel pump or a scale, where the weight and ID-tag data of the vehicle are transmitted to a central host. By weighing the vehicle before and after loading/unloading, the weight is automatically entered into the system. The information can for example be used for invoicing, time stamps or wastage control.

Mounting the Reader and the ID-tag

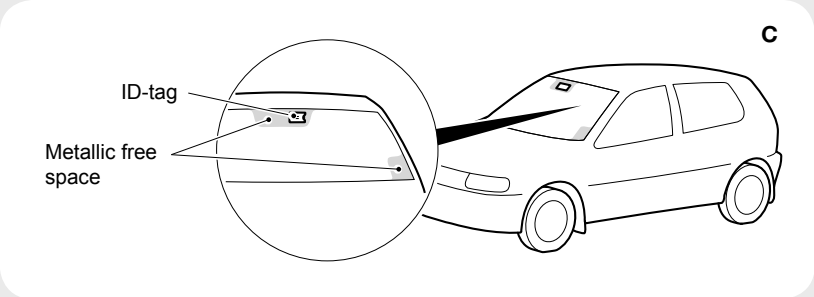
For optimal performance, tilt and rotate the Reader into a position so that the front side is parallel with the ID-tag. The distance between Reader and ID-tag should be 60 to 70% of the Reader's specified maximum read-range (a).



The pictures below show the most common placement of the ID-tag. Mount the ID-tag in the lower corner of the windscreen, facing the reader (b).



If the windscreen has a metallic, sun protecting coating, place the ID-tag within the non-protected area. This is most often located behind the rear view mirror (c).



We recommend field tests to determine Reader type as well as optimal positioning of the ID-tag and Reader.

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