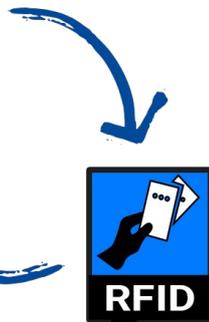
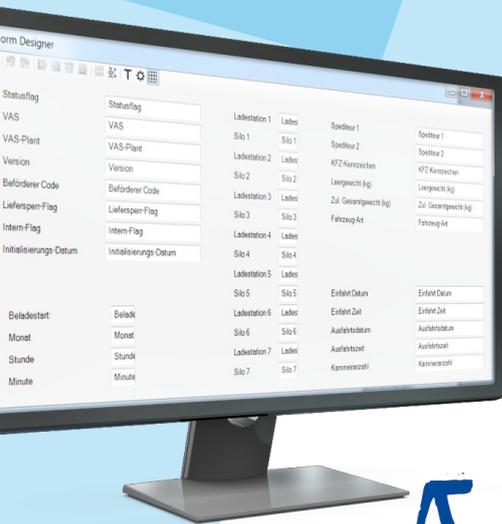


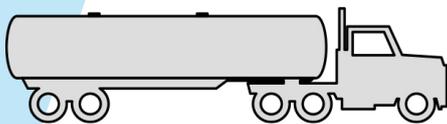
Read, edit and rewrite RFID - access control cards

RFID - smart card supported software solution for the provision of information and documentation of goods ordering and loading processes in a production plant



CUSTOMISE CARD CONTENT

XAPI XMifare-Manager is a software solution that is used as a basis for the overall logistics: from access control to goods ordering, loading and leaving the goods in a production plant. The software enables data from a Mifare RFID- card to be read out, edited and saved again. In addition, the integrated software designer can be used to design data forms as desired, add or delete new map data and define data rules.



RETAIN FULL CONTROL

At the factory entrance of a production plant, a Mifare chip card is issued as a badge for the industrial site with the relevant and unique information such as the exact loading station (silo station) and the quantity of product to be loaded. With correct authentication at the self-service terminal, the transporter is loaded with the correct product and quantity. Unauthorised driving on the premises as well as loading at the weighing system and an accidental wrong loading are thus automatically prevented. In real time, there is an overview, both in total and in detail, of which vehicles are still on the factory premises or have already passed the exit, where, when and what quantity of product is to be or has been loaded. The XAPI XMifare-Manager enables a transparent view of all information of the steps taken within the plant, which are stored on the smart card.

RFID ACCESS IDENTIFICATION - ROBUST - RELIABLE - CONVENIENT

With the information stored on the RFID card, a driver can identify himself at all checkpoints (entry, loading and exit) without any language barrier and obtain a release (e.g. a gate opens). With the help of RFID technology, the entire process is well structured and monitored. Faults are easily detected because all data on the order can be called up immediately and ad hoc reactions are possible. And even financial damage is avoided, as accidental false calls can be ruled out. The smart card in combination with the XAPI XMifare-Manager is extremely efficient, convenient, fast, robust, reliable, saves costs and the passive transponders are almost maintenance-free.

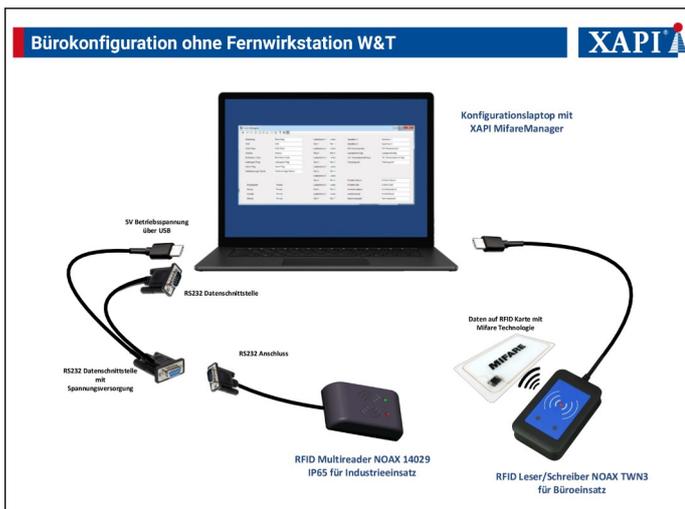
FUNCTIONS

- The PC-based **XAPI XMifare-Management Software** makes it very easy to read out the data from the Mifare RFID card, to edit and to save it back again.
- The card reader is addressed via socket communication (TCP-IP) or via serial interface, depending on the connection of the RFID card reader.
- Using the integrated form designer, the data form can be designed as required: new map data can be added or deleted, existing ones can be changed, elements can be moved, enlarged or minimised or distributed differently and the tab order of the elements can be redefined.
- Data rules are assigned in order to identify data inconsistencies and correct them immediately. Incorrect entries are therefore almost impossible.
- The data is saved in a backup file.
- All completed processes can be viewed and evaluated. The master data recorded is displayed for this purpose. Time stamps show when the vehicles were at the stations and make it possible to determine the standing time or charging time.

The access control software runs directly on the RFID reader and is thus operated without additional hardware.

PURPOSE / BENEFIT

- Automatic incoming and outgoing goods inspection with logging of access data, i.e. information is written to the transponder and read out again.
- Access control by means of transponders has been a proven application for RFID systems for many years because it is contactless and convenient, it is not susceptible to interference and it offers more security.
- During a reading process, many objects are automatically detected (bulk detection).
- No more searching and thus time savings, reduced loading times, better resource planning, increased goods turnover.
- Convenient regulation of authorisations for electronic access control. With just a few clicks, it is recorded which persons have access to a site at what time.
- The availability of the data exists on different end devices.
- Easy installation, commissioning and operation of the **XAPI XMifare-Manager Software**.
- The views can be set up individually according to the customer's wishes, even by the user himself.
- The thin, centralised infrastructure enables low hardware, installation, maintenance, support and licensing costs.



TECHNOLOGY

- RFID Multireader from NOAX is connected via the built-in RS232 interface.
- The NOAX TWN3 RFID reader/writer is used for configuration in the office and connected to the PC via USB. The RFID card can then be written to.
- For a loading station, an additional telecontrol station with generally 12 digital inputs and outputs can be used. Usually 12 digital inputs and outputs are used, which are plugged into the top-hat rail of the loading station in the control cabinet.
- This is connected to the industrial PC via Ethernet.

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Contact us, we will be happy to inform and advise you!!

