



360° RFID | our knowhow - your value



Article Surveillance

EAS detego® SUITE Module

Module EAS - Article Surveillance with RFID

RFID technology can be used in retail outlets for EAS. So-called “smart labels” can either be directly sewn into the garment, for example in the form of a care label, or be used as hang tags.

RFID stands for Radio Frequency Identification and enables the registration of objects in bulk without visual or tactile contact. The RFID label has a small chip that carries the electronic product code (EPC), allowing products to be uniquely identified and recorded with an RFID reader.

By using item level RFID, fully automated registration of stocks is possible. Ideally, the items should be fitted with RFID tags during the production process. Thus, the simultaneous use as theft protection is possible resulting in significant advantages for the retailer (including the fact that there is no need for separate security tags).

Benefits

- ▶ Free theft-protection if products are delivered with RFID labels
- ▶ Fast-entry into RFID technology with additional functions
- ▶ Elimination of an additional, expensive retail security with unsightly hard tags
- ▶ No more manual handling of equipment to deactivate conventional hard tags
- ▶ Creation of additional shop space by using RFID-EAS ceiling antennas instead of conventional gates

RFID-based processes for EAS

The **detego® SUITE** is a comprehensive package of software modules. It enables the easy implementation and deployment of flexible solutions.

Once an item is paid for at the POS, the corresponding EPC is registered and marked as “sold” in the database. The deactivator function in the **detego® SUITE**, provides the ideal solution for efficient data collection and transmission.

When the customer leaves the store the RFID transponder is recorded by ceiling antennas. The detector function starts a database query. If an article is not marked as “sold” a notification will be sent out.

There are various possibilities (e.g. an alarm can be triggered combined with an optional visual display at the point of exit). Alternatively, a silent alarm is also possible. In this case, a notification on detected theft cases is displayed at the checkout screens or sent to the store detective.

The **detego® SUITE** EAS module protects against theft. In combination with other modules from the **detego® SUITE**, complete inventory visibility can be achieved. Even if the thief is not caught, you know exactly which items were stolen, and you can arrange an accurate replenishment. Unwanted inventory inaccuracies are minimized and out-of-stock situation are prevented, allowing customers to find what they are looking for.

The consumer’s privacy remains fully guaranteed since no personal data is collected and the RFID information is separate from the customer’s information.

The entire solution corresponds to the recommendations of the GS1 EPCglobal RFID based EAS policy.

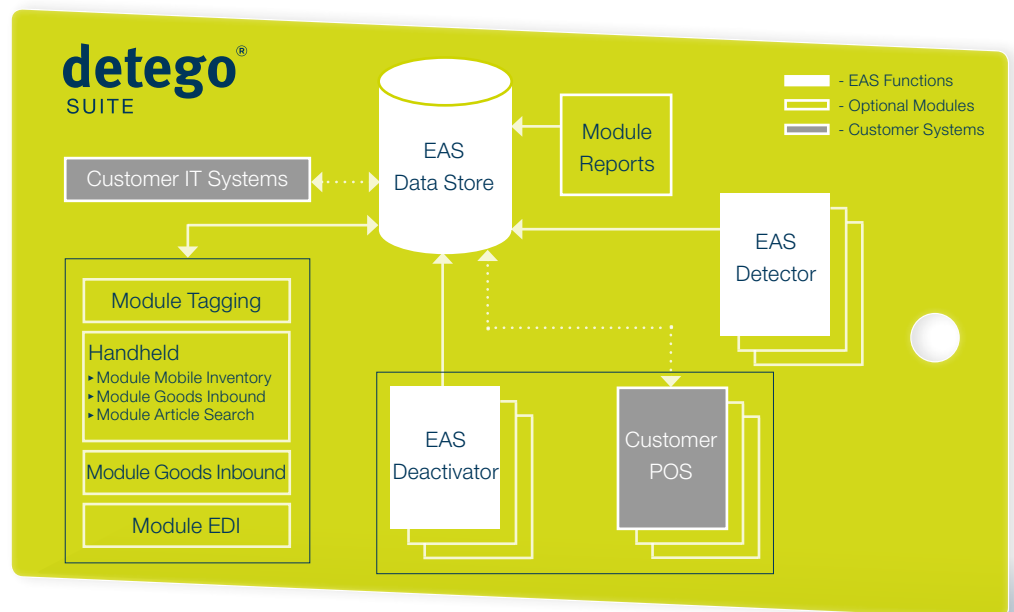
Flexible use of detego® SUITE Modules

The flexible and proven modules can be used independently. All modules are available with corresponding RFID hardware. Prerequisite for the use of **detego® SUITE** for EAS is that all items are equipped with EPC tags and current inventory data for the shop is available.

These can be provided by existing systems. Alternatively, the **detego® SUITE** can be used to provide a variety of additional modules that enable the accurate recording of RFID based inventory data.

Functions of the detego® SUITE EAS Module

- ▶ EAS Data Store
- ▶ EAS Deactivator
- ▶ EAS Detector



Optional detego® SUITE Modules

Module Tagging

If the item is fitted with EPC tags immediately before they are placed on the sales floor, this can be handled with the module Tagging. At the same time the inventory data in the EAS Data Store will be updated. The module is configurable for multiple applications.

Module EDI (Electronic Data Interchange)

When the delivery data is sent directly from the supplier, this can be used for a completeness check on incoming goods and be directly processed to the inventory database. The module supports the processing of all standard EDI messages and can send/receive data from the supplier.

Module Goods Inbound

If the goods are delivered with EPC tags already fitted, there can be an automated check on the correctness of the delivery. The goods inbound process can be handled with an RFID handheld or an RFID gate.

Module Mobile Inventory

This module is used for taking current inventory at any time and at any individual shop floor. The module is installed on an RFID handheld, and offers several specifications for different comparisons.



detego®

The **Enso Detego GmbH** provides intelligent RFID solutions, expert technology consulting and successful project implementation based on proven software products.

The product **detego® SUITE** ensures rapid and effective implementation of RFID projects. Standardized processes in the areas of production, distribution and retail are supported by high-quality and market-proven RFID solution modules. The flexibility of scalable modules allows the adjustment to strategic requirements and the integration with enterprise business processes.

Visibility in the supply chain, efficient replenishment based on maximum inventory accuracy, acceleration and preventing of mistakes in stock taking processes, anti-theft and anti-counterfeiting are some examples of themes Enso Detego works on. As developer of a powerful RFID Middleware and supported solutions modules the company aims at creating added value for its customers and partners.

The products and services address the industries fashion, automotive, food and electronics. Especially in the fashion segment a leading market position could be achieved.

Enso Detego GmbH

Hans-Resel-Gasse 17a | A-8020 Graz
Tel +43 316 711 111 | Fax +43 316 711 111 900

detego@enso-detego.com | www.enso-detego.com