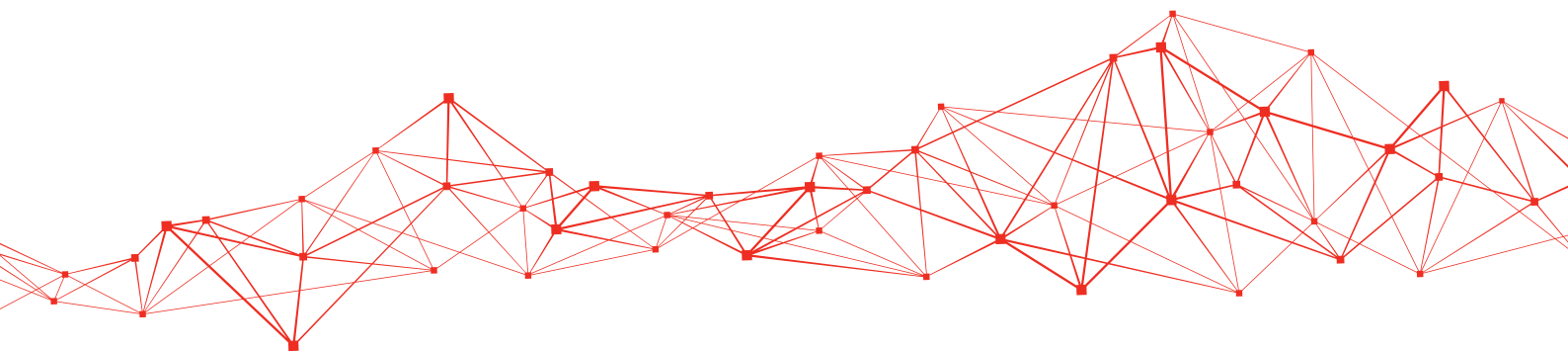


PRODUCT INFORMATION

CrossTalk Software Suite

The most advanced software suite for AutoID with IoT device management



> CrossTalk Software Suite

The highly configurable, modular and customisable AutoID software suite CrossTalk allows a mix of technologies from major RFID, RTLS, barcode and sensor providers to fit into any customer environment. CrossTalk is the most advanced software suite for IoT device management. As it is the case in all complex systems, the perfect interaction of hardware and software is of utmost importance. CrossTalk meets this requirement to the highest degree and dramatically simplifies the implementation of AutoID applications. CrossTalk is the easiest way to a perfect AutoID solution.

CrossTalk delivers a SOA (Service Oriented Architecture)-based infrastructure platform for a seamless plug & play integration of intelligent real-time data, AutoID devices (i.e. RFID), sensors and RTLS (Real Time Location Systems). The system supports secure and reliable 24/7 operations of the physical AutoID layer. CrossTalk's agent-based architecture supports the operation of several thousands devices of different technologies and different models in a distributed network environment. With a large number of existing adapters, it is possible to quickly and reliably integrate backend systems from SAP, Oracle, IBM or others.

CrossTalk ensures the efficient implementation of automated logistics processes. All common AutoID devices of different technologies/models and RTLS systems are supported by CrossTalk. The seamless interaction of functional hardware and configurable software turns complex challenges into simple solutions.

The remote CrossTalk Agent takes care of the local capturing and processing of raw data from AutoID devices and sensors. Network traffic is reduced to the necessary minimum. This includes local buffering of tracking events in case of network problems, as well as validation and filtering of possible false and multiple reads using patented algorithms. CrossTalk reduces potential hardware and technology complexity and sends validated tracking events to IT systems and applications. This means that no transponders or objects detected by chance or by mistake are forwarded, which is particularly important for incoming and outgoing goods bookings.

Hardware & Technology independency

Data capturing, filtering and processing



Template approach for operational concepts

In CrossTalk the essential parameters of a read-point are stored and maintained in a template. The knowledge can be bundled in Shared Services so that no decentralized AutoID/IT knowledge needs to be built up locally in individual plants or worldwide locations. Template approaches allow easy rollout procedures of AutoID hardware components via „copy & paste“ and pragmatic, cost-effective repair/replacement processes for hardware.

With the help of AutoID technologies, object movements are to be documented and booked automatically.

The entry is made without manual bookings or interaction of employees.

The CrossTalk monitoring functionalities offer automated monitoring of read-points in order to detect possible problems at an early stage.

Relevant groups of people in IT or maintenance departments are automatically informed.

CrossTalk Monitoring covers all hardware components as well as IT interfaces and functions.

Monitoring functions

Modular approach of CrossTalk

CrossTalk is a technology-independent IoT platform and consists of different modules - partners and customers can use the components that are really needed. Seamless integration of AutoID hardware into existing ERP systems can be done quickly and reliably. The central device management for the configuration and monitoring of read points with integration in the underlying IT systems can be operated on-premise and also in the cloud.

Functions & standard features instead of development

CrossTalk is not a pure development platform. The approach of numerous, preconfigured and flexible CrossTalk functions and features enables customized solutions. Implementation costs and project schedules can be significantly reduced.

> CrossTalk IoT Suite: System Architecture

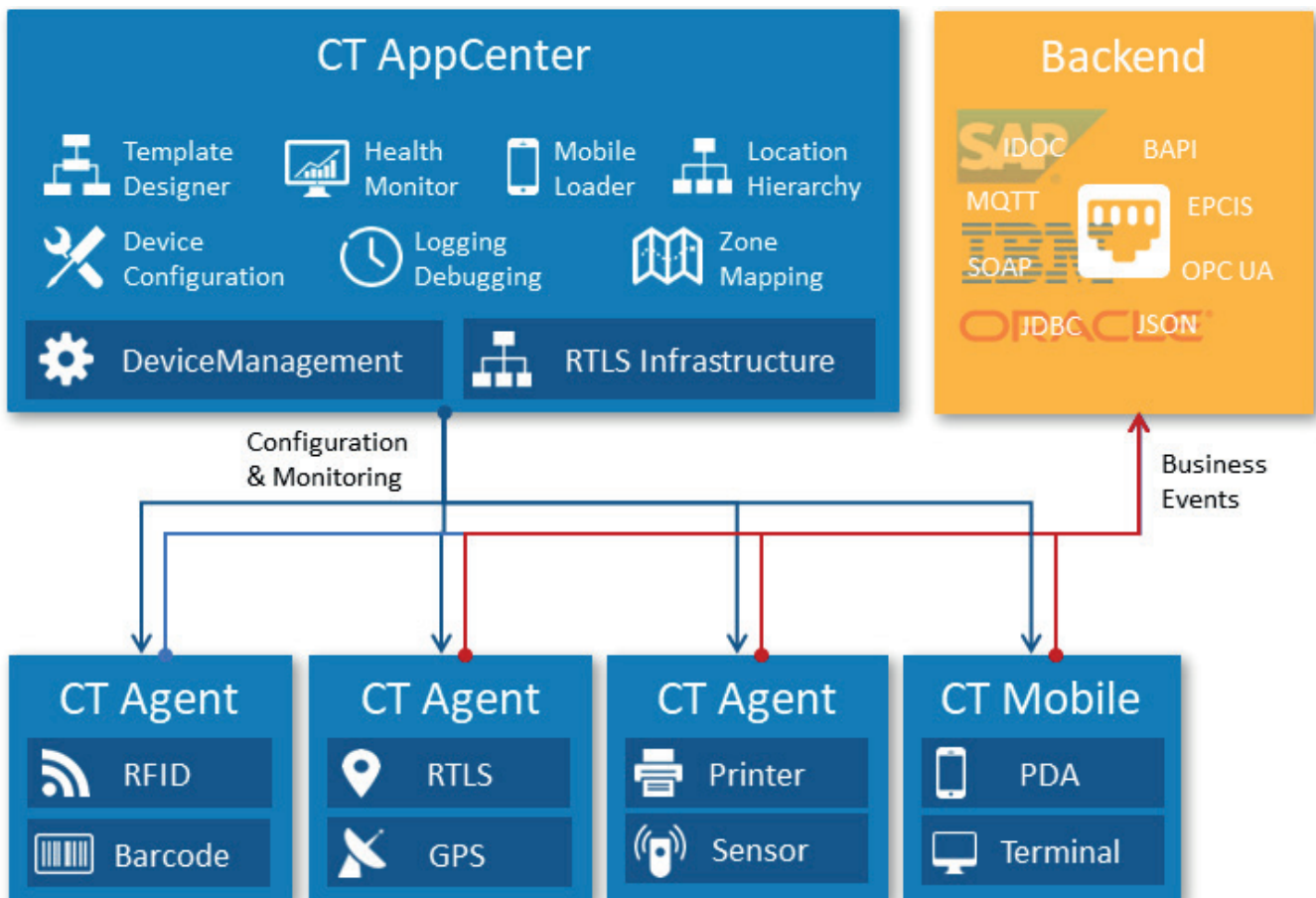
The CrossTalk IoT Suite consists of the following core components, which are implemented project-specifically depending on the use-case. Thanks to the modular approach, CrossTalk can be tailored to the existing IT infrastructure. Emerging gaps that come with the implementation of innovative AutoID technologies are filled, while completely avoiding overlap with existing systems or functionalities.

CrossTalk AppCenter

- Central configuration and monitoring of IoT infrastructure
- DeviceManagement

CrossTalk Agent

- Plug&play device integration
- Real-time data capturing
- Event processing
- Intelligent processing
- Backend-Integration



Graphics: CrossTalk system architecture

We are the specialists for RFID/AutoID technologies.

You can find more information about our software and hardware solutions at www.intellistride.com

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