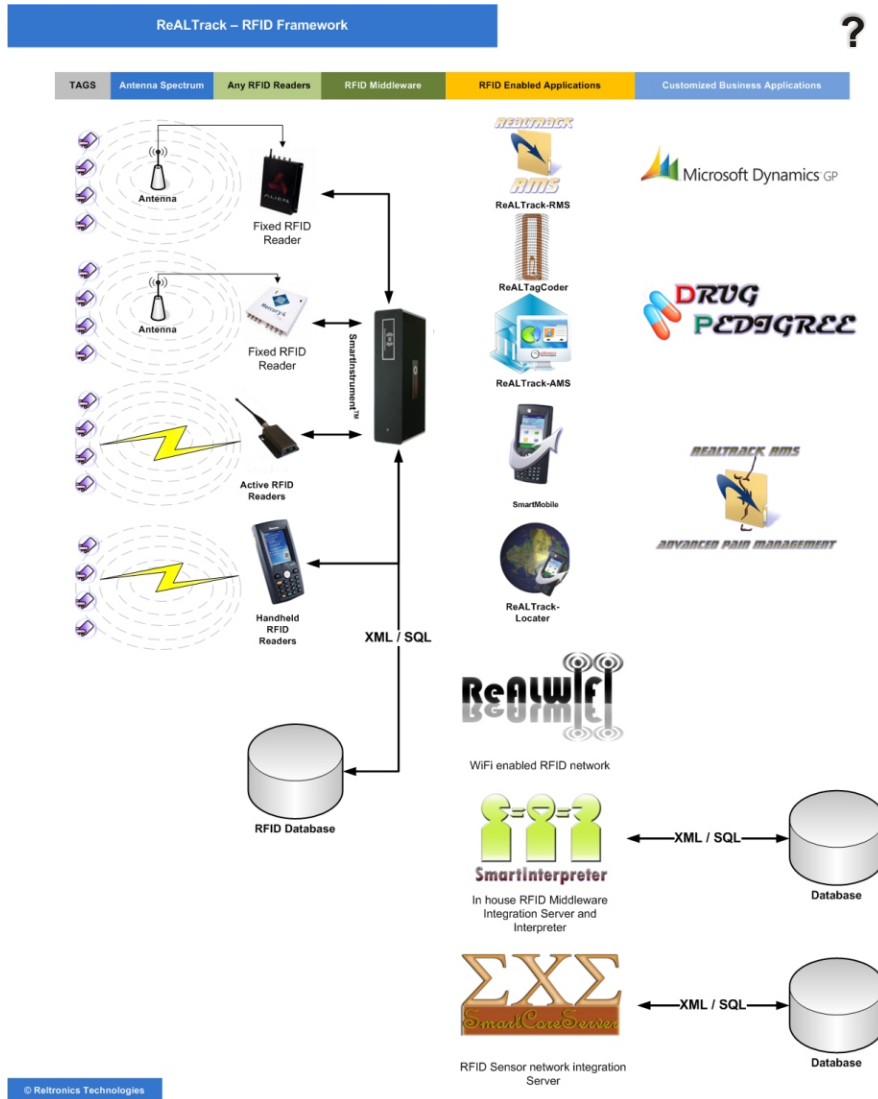


ReALTrack RFID Framework

- +** Add Values
- Reduce Overhead
- ÷** Re-Engineer the Business Process
- ×** Multiply Returns On Investment
- ?** Ask us how



ReALTrack RFID & Sensor Framework

The goal of Radio Frequency Identification (RFID) and sensors is to allow computers to 'Monitor', 'Decide', and 'Take Action' without human intervention. The ReALTrack RFID & Sensor framework is a proven technology and is widely deployed in diverse application areas such as transportation, fleet management, asset tracking, document tracking and livestock identification.

Architecture Overview

Reltronics Technologies' ReALTrack RFID & Sensor framework facilitates deployment due to its cost-effective plug and play capability. The ReALTrack RFID &

Sensor framework allows the RFID and sensor hardware to be automatically detected when tethered within the same network. The framework infrastructure detects the presence of existing and new devices and takes appropriate action for redundancy, lost packets, localized saves, remote synchronization, etc. The ReALTrack RFID framework infrastructure can be broken down into distinct domains where each domain is grouped with related hardware and software components. These domains are correlated to facilitate instantiation of the domains or objects.



ReALTrack RFID Framework

Functional Components

The ReALTrack RFID & Sensor framework has the following common functional components:

- A core component that manipulates and routes the message or the data between hardware devices and back-end applications
- Adapters that assist in exchanging information between the RFID & Sensor framework and back-end applications
- Drivers that assist in understanding what reader devices communicate and what messages are sent or received.
- Support for ReALWebService, Reltronics Technologies' Web Services that allows interlinking disparate technologies.

Besides the above essential functional components, all other components, such as the system monitor and logging component are value-added features that resides within the ReALTrack RFID & Sensor framework.

ReALTrack RFID & Sensor Framework Model Features

The following are the features of the Reltronics Technologies' ReALTrack RFID & Sensor framework. An entity in the following implies an asset, a record, or any object that needs tracking.

- The ReALTrack RFID & Sensor framework provides versatility in tracking leashed (RJ-45, RJ-11, RJ-22, or co-axial cables/connectors, etc.) entities and unleashed (RFID, sensors, wireless, etc.) entities.
- The ReALTrack RFID & Sensor framework is highly componentized in terms of the architecture and fits into various applications. Applications that are built on this framework can be broken easily to fit the customization needs.
- The ReALTrack RFID framework allows configuration for any standard, any reader, any antenna, and any tag.
- The ReALTrack RFID & Sensor framework enables identification of entities via TCP/IP, Serial or RS-232, 1394 Fire wire, 802.11a/b/g/n Wi-Fi, 2.9GHz, and 4.9GHz.
- The ReALTrack RFID & Sensor framework libraries are conducive to interconnecting plug and play applications that are sustainable in the customer environment.
- The ReALTrack RFID & Sensor framework allows the interconnection of the RFID & Sensor hardware with SAP, JD Edwards, NextGen, Microsoft Great Plains, Microsoft CRM, other enterprise applications, etc.
- The ReALTrack RFID & Sensor framework is conducive to support varied databases including SQL 2000, SQL 2005, Oracle 8i, Oracle 9i, Oracle 10k, and open source.



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