keonn

RFID Cloud
Software

AdvanNet ™
Common driver platform

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Benefits:

- Simplicity
- Reduction of deployment time
- Convenient for making initial tests in a RFID project
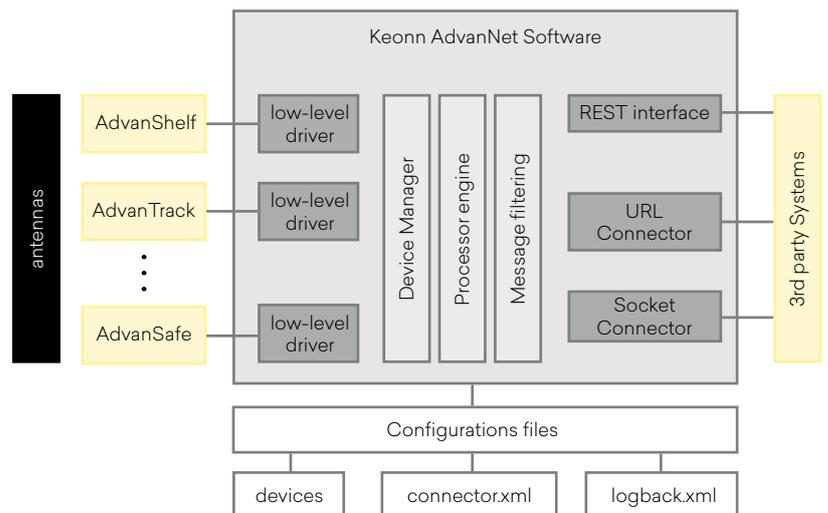- Guarantee of best performance for Keonn products

Applications:

- All applications using Keonn products

Product overview

AdvanNet is a common driver platform for Keonn products, a software layer that manages all Keonn products under a common interface.

AdvanNet is a simple yet powerful edgeware software that can easily connect Keonn products to 3rd party systems; either RFID middleware or end-user customer applications.

AdvanNet is also a powerful GUI (web based) test environment for any RFID deployment that uses Keonn products.

AdvanNet is not a middleware nor an end-user application:
- It is not an RFID middleware since it focuses solely on Keonn products and does not provide drivers for common RFID readers and devices.
- It is not an end-user application. It is the first software layer in any software architecture that includes Keonn products.

Benefits

AdvanNet takes RFID deployments to a new level of simplicity. It is easily configured and offers a clean and simple interface to the higher software levels.

In addition, AdvanNet decreases deployment time by assuming low-level communication with RFID devices and by letting developers focus on business development.

Furthermore, AdvanNet guarantees the best performance for Keonn products.

AdvanNet ™
Common driver platform

Description

AdvanNet is a Java headless application that can run on any Java enabled platform, and performs the following actions:

- Provide a web interface to be used as a testing and deployment tool
- Transform low-level data into much more usable xml messages
- Filter low-level data
- Offer a synchronous REST interface to access devices' operations: inventory and others
- Send asynchronous xml messages to 3rd party IT systems

AdvanNet acts as the driver or firmware for any Keonn products. It can be understood as a bridge between the complexities of the low level required to talk to electronic modules, and the higher level messages any IT infrastructure can manage. In other words; it's a very simple yet very flexible edgeware.

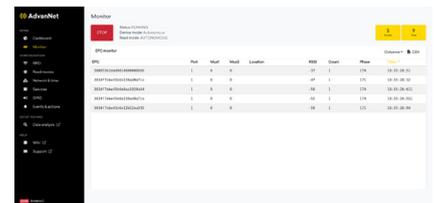The main characteristics of Keonn AdvanNet are:

- Knows the low-level protocol of Keonn products.
- Allows the configuration of Keonn products.
- One single instance can control several Keonn products.
- Generates inventory related xml messages.
- Offers a REST interface to access devices synchronously.
- Implements a publisher/subscriber pattern to send asynchronous data to 3rd party IT systems.
- Allows an intelligent routing of data; messages can be conditionally delivered based on data source, and other parameters.
- Allows integration with any system, integration mechanisms are universal, they are not chained to any programming language or architecture whatsoever.
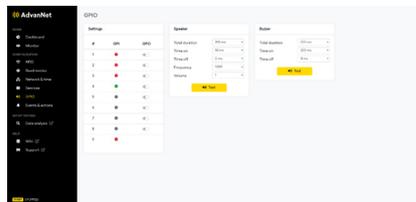
Screenshots of AdvanNet web interface
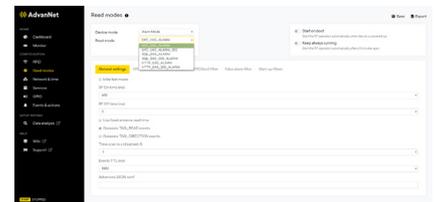
Start-up and device self-discovery

RFID tag monitoring

Control of digital inputs and outputs

Anti-theft (EAS) configuration

Screenshots of XML data supplied by AdvanNet

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