SIEMENS

RFID-UHF Integration in PC Environments with the XML API (ID-UHF-XML)

Short Description

Industrial Identification is an important part for modern production and logistic applications. This technology is an enabler for a "communication" between assets and PC or PLC systems. For a smooth integration in a PC environment the Siemens RF600 UHF System has a pre-defined XML interface. This interface can easíly be implemented in own programs using a XML-API based on C#. A great simplification for every programmer who is creating own PC applications with RF600 Systems.

Objectives

After participating in this training, you as a software developer or integrator will be able to easily integrate a RF600 Reader in a PC environment. You will learn about the algorithms the reader offers to support the integration phase and get insights of what you need to consider during the implementation phase. Furthermore, you will develop your own example program for each content, which can be used later in your own applications. With the training material, you will also receive an extensive reference book for your daily business.

Target Group

- Software Developer
- Software Architect
- Programmer
- Commissioning engineer
- Project engineer

Content

- Introduction
- Basic Handling of Siemens RFID UHF Reader
- Integration in PC environment
- Important UHF Algorithms for the Integration
- Cyclic communication commands
- Acyclic communication with RFID Reader
- Implementation of an automatic hardware exchange
- Trigger of an application with IO Events
- Comprehensive exercises

Prerequisites

Participating of „RFID UHF Technology and Practice", or comparable knowledge and basic knowledge in C#

Note

Certification (Siemens CEIID-Level)

Following the training, there is an option of taking a certification test. This test is part of the certification to become "Siemens Certified Expert for Industrial Identification", which consists of several individual tests.

Type

Face-to-face training

Duration

3 days

Language

en