

Overview

Key Features

- Intuitive user interface
- Supported OS: Windows, Linux, Mac
- Supports all RF-Embedded readers
- Connects serial, USB and ethernet reader
- Supports manufacturer-specific tag functions

Use Cases

- Reader test and commissioning
- Reader configuration
- Reader firmware update
- Tag test
- Analysis of reader-antenna combinations
- Analysis of reader-tag combinations

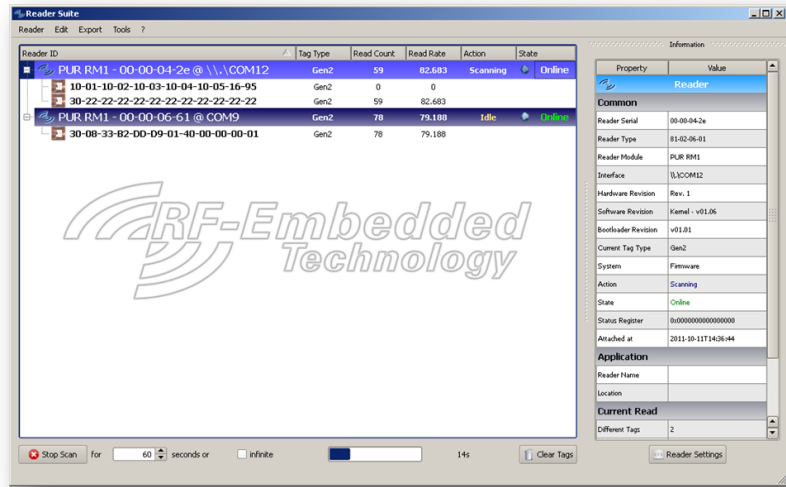
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More than just a demo...

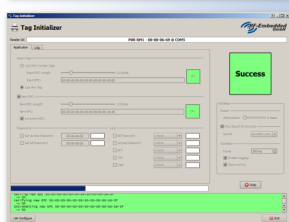
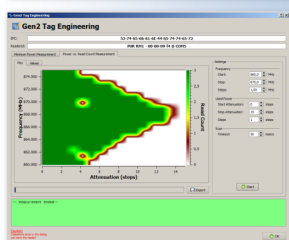
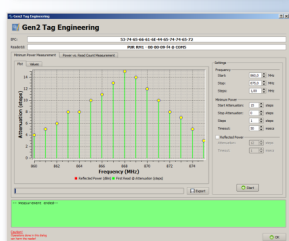
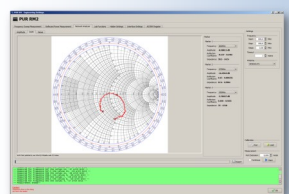
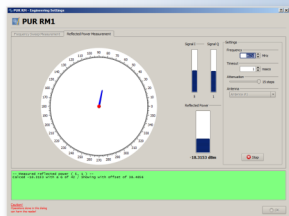
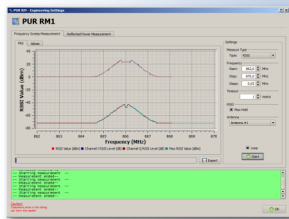
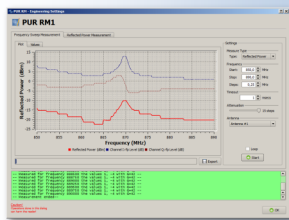
The Reader Suite with its intuitive and simple to use interface is the perfect software to test the RF-Embedded reader products, reader settings e.g. can be easily changed. Hence the system behaviour is adaptable to the application.

Besides a multitude of test possibilities using the Reader Suite, the software can also be used for system analysis. That is, the interaction of RFID components (reader, antenna and tag) in a given environment can be assessed, analyzed and measured.

Thus, with the RF-Embedded Reader Suite the complete RFID integration can be adjusted and optimized to ensure the ideal configuration for the RFID application.



Overview



Reader Engineering Mode

Frequency Sweep - Reflected Power

The Frequency Sweep - Reflected Power measurement makes it possible to measure the reflected power from the antenna over a certain frequency range. This method helps determine the quality of the antenna and the interaction with the reader.

Frequency Sweep - RSSI

The Frequency Sweep - RSSI measurement makes it possible to measure the environment variables of a reader. By showing the received signal strength of the environment variables in a chart, disturbances or interferences of a RFID installation can be detected.

Reflected Power

In comparison to Frequency Sweep measurement Reflected Power measurement is on a fixed set frequency thereby easily detecting changes of the conditions of a changing environment can be.

Network Analyzer

The Network Analyzer, which is integrated in the Reader Suite, makes it possible to measure the matching of a connected antenna. With this measurement the antenna matching from the viewpoint of the reader can be measured and potential problems of an installation or a mismatching of the antenna can be detected.

Tag Engineering Mode

Minimum Power

The Minimum Power measurement measures the minimal power a tag needs to be detected by the reader at different frequencies. That way the operating point of a tag in the interaction with the reader can be determined.

Power vs. Read Count

The Power vs. Read Count measurement counts the reads of a tag at different frequencies and different power settings. With this measurement it is possible to detect gaps in the operating frequency, which can be caused by reflections or similar conditions.

Tools

Tag Initializer

The Tag Initializer is a fully automated tool to fully automatic initialize tags. The application sets the EPC in the desired length, sets the passwords and locks memory banks. Each completed step can be logged and exported to other data formats.