



**MICROELECTRONICS
TECHNOLOGY INC.**

RFID ME™ UHF USB Reader



„Because it's there.”
George Mallory

RFID ME™ - Manageable UHF USB Reader for your workstation

The **RFID ME™ UHF USB Reader** is a small, compact and cost effective RFID reading and writing device with integrated antenna. This device enables you to read and write UHF transponder IDs for testing the functionality or transmitting to IT backend systems in a simple way.

Connect this handy USB reader directly or using an extension cable to the USB port of your PC or laptop. No further driver installation is required. Free of charge included applications enable you to read, write and delete transponder IDs.

A typical reading range up to 50 cm (dependent on the adjustable power and the transponder type) and the possibility of reading several transponders at the same time (bulk reading, anti-collision) allow an efficient way of collecting transponder data.

RFID ME™ is certified for the usage in different regions. It will be delivered as a complete kit including demonstration software for the PC.

Further **detego® EXPRESS** applications are included in the kit for free. These applications, based on the **You-R® OPEN** middleware, provide interfaces to several IT backend systems. The following transponder information is transmitted by default: EPC, reading timestamp and read point. Besides the provided interfaces, developers can use an extended Web Service or the .Net Facade to integrate the USB reader to own applications according delivered examples.

The Low-Level Command Set protocol allows the simple integration of the USB reader to Linux operating systems or even to automation systems (PLC).

Application Examples

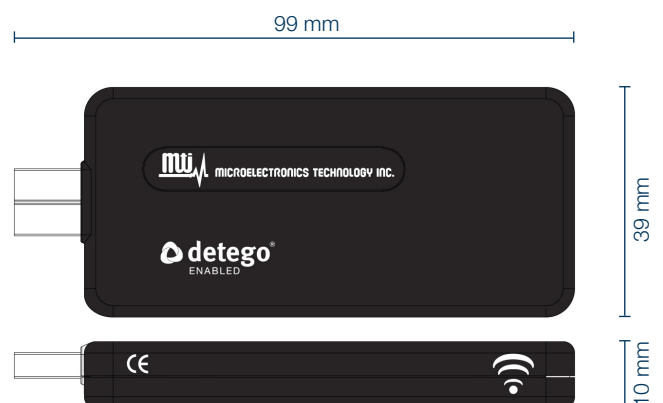
- ▶ Data collection directly at the PC workstation
- ▶ Startup of UHF-RFID applications
- ▶ Functionality test and configuration of UHF transponders
- ▶ Reading and writing of transponder-IDs
- ▶ Transmission of transponder-IDs to IT backend systems (file, database, ...)
- ▶ Association of data records with transponder-IDs

RFID ME™ UHF USB Hardware Specifications & Characteristics

Supported Transponder	EPC Global UHF Class1 Gen2 ISO 18000-6C ISO 18000-6B
Antenna	integrated antenna
Interface	USB HID Plug & Play interface Type A male USB connector
Power Supply	USB port of PC or laptop
Bulk Reading	supported with anti-collision
Read Range	up to 50 cm
Write Range	up to 5 cm
Chip	austriamicrosystems AS 3992 RFID Silicon
Physical Size	99 mm (L) x 39 mm (W) x 10 mm (H)
Operating Temperature	0° C to +40° C
Storage Temperature	-40° C to +85° C
Models	RU-888-100 certified & marked US FCC Part 15 RU-888-110 certified & marked Europe ETSI EN 302 208

RFID ME™ Kit includes

- ▶ RFID ME™ UHF USB RFID reader
- ▶ UHF sample transponder
- ▶ CD with demonstration and integration software
 - ▶ MTI Reader SUITE (manufacturer tool)
 - ▶ Demonstration software: RFID ME™ Weblink Demo SW incl. EPC Generator application for configuration
 - ▶ For integration to own applications:
 - **detego® EXPRESS** packages: interfaces to different IT backend systems - file with keyboard buffer functionality, MS SQL, Oracle, OLEDB, HTTP, Web Service, DAOPC.
 - **detego® EXPRESS** extended interface methods (Reader Web Service and .NET Facade) with examples in .NET and Java for each **detego® EXPRESS** package.
For details see **detego® EXPRESS** user manual.
 - Low Level Command Set, incl. source code examples
- ▶ Documentation



At a Glance

- ▶ Compact and shapely designed case
- ▶ Power supply and use via USB port
- ▶ Simple integration to own software applications
- ▶ Software examples available