iID®INDUSTRY0906

QuickStartGuide

microSensys
RFID *in motion*

Industrial RFID read/write unit - USB

The RFID industry read/write devices from microsensys support use in harsh environments. These readers are ideal for applications such as industrial automation, product control, tool management, tracking, or general product labelling and integration into existing processes.

Product Short Description & available Versions:

INDUSTRY READER UHF 0906-USB   **Product Code: 46.29.830.00**
iID RFID read/write unit UHF, USB, integrated antenna
System: iID4000, ISO 18000-6c, all customized

INDUSTRY READER UHF 0906e-USB   **Product Code: 46.29.850.00**
iID RFID read/write unit UHF, USB, external antenna
System: iID4000, ISO 18000-6c, all customized

INDUSTRY READER HF 0906-USB   **Product Code: 56.69.500.00**
iID RFID read/write unit HF, USB, integrated antenna
System: iID3000, ISO 15693, 14443, all customized
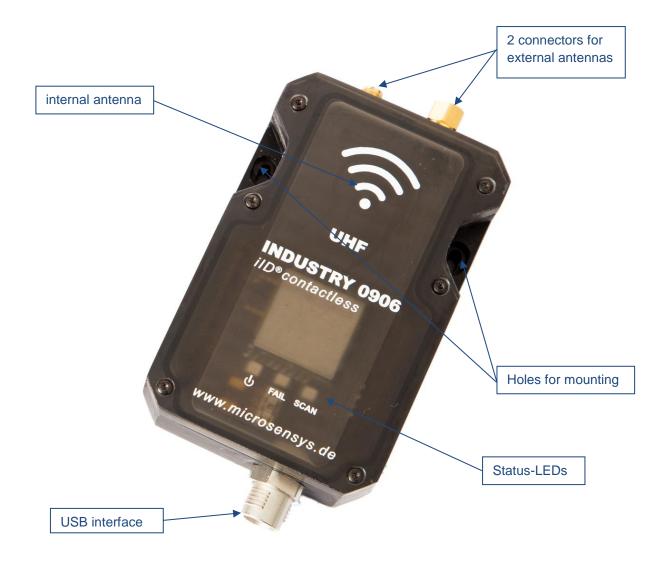
iID® INDUSTRY0906

QuickStartGuide

Performance description

The integrated industry reader is designed for high speed transponder applications and can used under harsh industrial environments and this with very small form factor. This device is available with different HOST interfaces as P-CAN, USB or Ethernet. As HF or UHF versions, these readers have an integrated antenna or allow external antennas to be connected. The device comes in several types supporting HF and UHF systems. In the UHF version up to two antennas can be connected. In this case a lot of different antennes are available.

A comfortable set of software functions supported over microsensys iID driver engine and the polling mode makes this reader very flexible. With the script mode the reader is able scan by itself and send received data to a connect host.

First setting into operation

Before using your device the first time, please connect the device with correctly with recommended cables.

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Manner of functioning

iID® INDUSTRY READER 0906-USB may be used as USB RFID read/write interface controlled by host or RFID scanner while using a script on device.

iID® INDUSTRY READER 0906-USB is delivered in DOC mode, please adjust operation mode using iID® interface configuration tool regarding your requirements before first usage. Microsensys provides sample scripts for device usage in SPC mode, which are available for download in iID® interface configuration tool.

Functionality	Operation mode configuration	Remark
Read/write interface	DOC	Bi-directional communication, based on iID® driver engine
Read interface, output to host	SPC	One-directional communication, script on device

The INDUSTRY READER UHF 0906e-USB version can be used with up to two external antennas. If you use only one antenna, then the second antenna connector needs a terminating resistance. By using two antennas the iID® driver engine controlled both antennas and switches to and fro between the two. Both aren't active at the same time.

Several applications needs different antennas, therefore please ask microsensys which antenna is recommended for your application.

Software to be installed

All below recommended downloads you will find in our download area http://www.microsensys.de/downloads

Please download and install iID® software package including iID® DEMOsoft 2013, iID® interface config tool and iID® connection tool as well as iID® driver engine from:
Path: CDContent → Install → iID® software package.zip

Because of using USB interface you also need to install the USB driver, which is available at:
Path: CDContent → USBDriver → Microsensys USB devices driver CDM v2.10.00 WHQL Certified.zip

Optional Software:
iID® tray application
Path: CDContent → Install → iID® tray application.zip

iID® INDUSTRY0906

QuickStartGuide

Signs & their meaning

iID® INDUSTRY READER 0906 shows different condition with the assistance of LEDs. Additionally there are device states shown as described below.

Symbol	Description
POWER	Lights up if device switched on
FAIL	Is illuminated if a tag wasn't read correct
SCAN	Is illuminated if a tag was read correct

Equipment delivered:

1 x iID®INDUSTRY READER 0906-USB

Including following Accessories:

1 x USB cable

1 x CD-ROM (Software & Documents)

1 x terminating resistance (in 0906e version)

Standard accessories:

USB cable

Coaxial Connection Cable (0.5, 1, 2, 3, 5m)

Complementary microsensys Documents

Technical Datasheets:	IND HF 0906-02.pdf
	IND UHF 0906-03.pdf
	IND UHF 0906ext-02.pdf
Product Guide RFID Reader:	(coming soon)
Product or System Documentation:	DOC-iID SPC 01D.pdf
	Quick-Install_USB_BaseDriver_03DE.pdf

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