



## Industrial RFID read/write unit with LAN interface

The RFID industry read/write devices from microsensus 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 HF 0906-E**

iID RFID read/write unit HF, LAN, integrated antenna

**System:** iID3000, ISO15693, ISO1443, all customized

**Product Code: 56.63.700.00**

**INDUSTRY READER HF 0906L-E**

iID RFID read/write unit HF, LAN, integrated antenna

**System:** iID3000, ISO15693, ISO1443, LEGIC Prime/Advant, all customized

**Product Code: 56.63.505.00**

**INDUSTRY READER HF 0906LM-E**

iID RFID read/write unit HF, LAN, integrated antenna

**System:** iID3000, ISO15693, ISO1443, all customized

**Product Code: 56.63.556.00**

**INDUSTRY READER UHF 0906ext-E**

iID RFID read/write unit UHF, LAN, external antenna (2x50Ohm)

**System:** iID4000, ISO 18000-6c, all customized

**Product Code: 46.23.850.00**

## Performance description

The integrated industry reader is designed for high speed transponder applications and can be used under harsh industrial environments and this with very small form factor. This device is available with different HOST interfaces as LAN, 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 antennas 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 to scan by itself and send received data to a connected host.

## First setting into operation



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

## Manner of functioning

iID<sup>®</sup> INDUSTRY READER 0906-E may be used as local area network connected RFID read/write interface controlled by host or standalone RFID scanner sending UDP telegrams while using a script on device.

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

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

The INDUSTRY READER UHF 0906ext-E 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<sup>®</sup> 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 microsensus which antenna is recommended for your application.

## Software to be installed

All below recommended downloads you will find in our download area

<http://www.microsensus.de/downloads/>

Please download and install iID<sup>®</sup> software package including iID<sup>®</sup> DEMOsoft 2013, iID<sup>®</sup> interface config tool and iID<sup>®</sup> connection tool as well as iID<sup>®</sup> driver engine from:

*Path: CDContent → Install → iID<sup>®</sup> software package.zip*

Configuration of iID<sup>®</sup> INDUSTRY 0906-E requires iID<sup>®</sup> LAN config tool, which will be installed as a part of iID<sup>®</sup> interface config tool. iID<sup>®</sup> LAN config tool supports search of the device by MAC-address or by IP-address. Factory default IP address is delivered together with your base device.

## Signs & their meaning

iID<sup>®</sup> 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<sup>®</sup>INDUSTRY READER 0906-E

### Standard accessories:

Power adapter (110/220V)

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

### Including following Accessories:

1 x CD-ROM or USB stick (Software & documents)

1 x terminating resistance (in 0906e version)

## Complementary microsensys Documents

Technical Datasheets:

IND HF -05.pdf

IND HF L-05.pdf

IND UHF 0906-04.pdf

IND UHF 0906ext-04.pdf

Product Guide RFID Reader:

(coming soon)

Product or System Documentation:

DOC-iID SPC 02E.pdf

Quick-Install\_USB\_BaseDriver\_10E.pdf

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