

PRODUCT DATASHEET

iID® Read Write Interfaces

INDUSTRY 0906 HF

Smart industrial HF RFID read/write unit

The integrated industry reader is designed for high speed transponder and access control applications and can be used under harsh industrial environments. This device is available with different HOST interfaces as P-CAN, USB, RS232 or Ethernet. A comfortable set of software functions supported over *microsensys* iID driver engine as well as scripting mode (SPC) makes this reader very flexible for customer solutions.

microsensys offers an attractive component platform for RFID solutions – from transponder over smart readers to practical software tools.



microsensys GmbH
In der Hochstedter Ecke 2
D 99098 Erfurt

microSensys
RFID in motion

TEL +49-361-59874 0
E-MAIL info@microsensys.de
FAX +49-361-59874 17
WEB www.microsensys.de

This data sheet is subject to change.
contact microsensys for latest information

IND HF 0906-04

Basics:	HF proximity read / write unit DOC (direct online communication) and SPC (script programmed communication) mode
RFID System:	HF: iID®2000/3000 or LEGIC® SM-4500
Standards:	based on ISO 15693, ISO 14443, ISO 18000-3
Chips iID®2000/3000:	I-CODE®, Tag-it®, my-D®, iID®M, EM chip types, iID®G, iID®L, TELID®200/300, MIFARE®ultralight, on inquiry: iID®K, NFC, my-D®-S
Chips LEGIC®:	LEGIC® Prime, LEGIC® Advant, MIFARE®, SONY Felica*, inside contactless pico-TAG* (*UID only)
RFID Air Interface:	13.56 MHz RFID
Operating Distance:	0 ... 15cm, depending on transponder type and metal environment
Reader Antenna:	integrated antenna, P36
Field Direction:	top side
Communication Rate:	106 kbps, 424 kbps
HOST Interface:	USB or P-CAN or Ethernet or RS232 standard
Communication interface:	USB or P-CAN or Ethernet or RS232 standard
Connector:	mini USB or Binder series 712
Power Supply:	USB: 5V±5% (300mA, stabilized, low noise) or +7.5V(300mA)..24V(200mA) (unstabilized)
Power Consumption:	typ. 30mA (USB, idle mode, +5V), typ. 300mA (USB, active mode, +5V)
Software Interface :	iID® 3000 interface protocol
Supported Commands:	see actual API documentation of <i>microsensys</i> iID® driver engine
Housing:	plastic small design with integrated antenna
Device Size:	approx. 96 x 66 x 30mm ³
Casing Material:	POM (black), PC (transparent)
Mounting:	mountable with 2 screws, mounting on metal surfaces possible
Environmental Conditions:	industrial IP 67
Operating Temperature:	-5°C ... +70°C
Storage Temperature:	-25°C ... +85°C
Protection Class:	IP 67
Emissions:	CE EN 300330-2, on inquiry: FCC part 15

Order Information:

Type iID®:	56.69.700.00	56.63.700.00	56.67.700.00*	56.61.700.00*	56.69.700.90*
Type LEGIC®:	56.69.505.00	56.63.505.00	56.67.505.00*	56.61.505.00*	56.69.505.90
HOST Interface:	USB	Ethernet	P-CAN	RS232	2xIN,2xOUT/USB
Power Supply:	5V+/-5%	7.5V...24V	7.5V...24V	7.5V...24V	5V+/-5%
iID®Operating System:	standard	standard	standard	standard	customized

*) in development or delivery only for special projects