

# PRODUCT DATASHEET

iID® Read Write Interfaces

## INDUSTRY HF 0906L

### Smart industrial HF RFID read/write unit

The integrated industry reader is designed for high speed transponder applications and can be used under harsh industrial environments. This device is available with different HOST interfaces as P-CAN, USB or Ethernet. A comfortable set of software functions supported over *microsensys* iID driver engine and the polling mode 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.



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

IND HF 0906-01

<b>RFIDSystem:</b>	HF LEGIC®, iID®2000/3000	
<b>Standards:</b>		based on ISO 15693, ISO 14443
<b>Chip Solutions:</b>		LEGIC® prime, LEGIC®advant on inquiry: I-CODE®, Tag-it®, my-D®, iID®M, Mifare®, NFC
<b>Basics:</b>	proximity read / write unit standard command set of iID® driver engine (LEGIC4200)	
<b>RFID Air Interfaces:</b>	13.56 MHz RFID	
<b>Operating Distance:</b>	0 ... 20cm	depending on transponder type and metal environment
<b>Reader Antenna:</b>		integrated antenna
<b>Field Direction:</b>		P36, from top side
<b>Communication Rate:</b>		see ISO standards
<b>HOST Interface:</b>	USB or P-CAN or Ethernet	on inquiry: RS232 or customized I/Os
<b>Connector:</b>		mini USB or Binder series 712
<b>Power Supply:</b>		+5V, stabilized, low noise or +7 ... 24V, unstabilized
<b>Power Consumption:</b>		typ. 30mA (idle mode, +5V) typ. 300mA (active mode, +5V)
<b>Software Interface :</b>		iID® interface protocol
<b>Supported Commands:</b>		see actual API documentation of microsensys iID® driver engine
<b>Device Size:</b>	approx. 95 x 60 x 28mm <sup>3</sup>	
<b>Casing Material:</b>	tbd (POM, black)	
<b>Mounting:</b>	mountable with 2 screws	mounting on metal surfaces possible
<b>Operation Temperature:</b>	-5°C ... +70°C	
<b>Storage Temperature:</b>	-25°C ... +85°C	
<b>Emissions:</b>		EN 300330-2 on inquiry FCC part 15
<b>Protection Class:</b>		IP 65

Type:	56.69.505.00	56.63.505.00	56.67.505.00*	56.61.505.00*	56.6x.505.90*
<b>RFID Antenna:</b>	P36	P36	P36	P36	P36
<b>Downloaded OP System:</b>	tbd	tbd	tbd	tbd	I/Ocontrolling
<b>HOST Interface:</b>	USB	Ethernet	P-CAN	RS232	for settings, tbd
<b>Power Supply:</b>	5V+/-5%	8-24V	7V+/-15%	7-24V	tbd

\*) in development or delivery only for special projects