

# PRODUCT DATASHEET

iID® Read Write Interfaces

## INDUSTRY HF 0906

### 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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RFID in motion

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

IND HF 0906-02

<b>RFIDSystem:</b>	HF	iID®2000/3000	
<b>Standards:</b>			based on ISO 15693, ISO 14443, ISO 18000-3
<b>Chip Solutions:</b>			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
<b>Basics:</b>	proximity read / write unit standard command set of iID® driver engine		
<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 standard
<b>Connector:</b>			mini USB or Binder series 712
<b>Power Supply:</b>			+5V, stabilized, low noise or +7 ... 36V, min. 200mA, unstabilized
<b>Power Consumption:</b>			typ. 30mA (USB, idle mode, +5V) typ. 300mA (USB, active mode, +5V)
<b>Software Interface :</b>			iID® interface protocol
<b>Supported Commands:</b>			see actual API documentation of <i>microsensys</i> 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 IP 65
<b>Protection Class:</b>			

<b>Type:</b>	<b>56.69.700.00</b>	<b>56.63.700.00</b>	<b>56.67.700.00*</b>	<b>56.61.700.00*</b>
<b>RFID Antenna:</b>	P36	P36	P36	P36
<b>Downloaded OP System:</b>	tbd			
<b>HOST Interface:</b>	USB	Ethernet	P-CAN	RS232
<b>Power Supply:</b>	5V+/-5%	8-24V	7V+/-15%	8-24V

\*) in development or delivery only for special projects