

# PRODUCT DATASHEET

iID<sup>®</sup> Read Write Interfaces

## INDUSTRY UHF 0906

### Smart industrial UHF 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 UHF 0906-02

<b>RFIDSystem:</b>	UHF iID <sup>®</sup> 4000	
<b>Standards:</b>		based on ISO 18000-6C
<b>Chip Solutions:</b>		EPC C1 G2 (ISO 18000-6 Type 3), Alien Higgs 3/4, Impinj Monza 3/4/5, NXP UCODE, Temperature Sensor EM4325
<b>Basics:</b>	far field operation, read write and read only standard command set of iID <sup>®</sup> driver engine	
<b>RFID Air Interfaces:</b>	868 MHz RFID, ISO 18000-6	
<b>Operating Distance:</b>	0 ... 3m	depending on transponder type and metal environment
<b>Reader Antenna:</b>		integrated antenna or external antenna
<b>Field Direction:</b>		MP2525, from top side
<b>Communication Rate:</b>		transmit: 160 kbps receive: 40-640 kbps
<b>HOST Interface:</b>	USB or P-CAN or Ethernet	on inquiry: I/Os or RS232
<b>Connector:</b>		mini USB or Binder series 712
<b>Power Supply:</b>		+5V, stabilized, low noise or +8 ... 24V, unstabilized
<b>Power Consumption:</b>		typ. 100mA (USB, idle mode, +5V) typ. 400mA (USB, active mode, +5V)
<b>Software Interface:</b>		iID <sup>®</sup> interface protocol
<b>Supported Commands:</b>		see actual API documentation of <i>microsensys</i> iID <sup>®</sup> 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>		CE EN 302 208-2 FCC part 15 on inquiry
<b>Protection Class:</b>		IP 65

<b>Type:</b>	<b>46.29.830.00</b>	<b>46.23.830.00</b>	<b>46.27.830.00</b>	<b>46.21.830.00</b>	<b>46.20.830.00*</b>
<b>RFID Antenna:</b>	MP2525	MP2525	MP2525	MP2525	MP2525
<b>Downloaded OP System:</b>	tbd	tbd	tbd	tbd	customized
<b>HOST Interface:</b>	USB	Ethernet	P-CAN	RS232	2xIN, 2xOUT
<b>Power Supply:</b>	5V+/-5%	8 ... 24Vdc	7V+/-15%	8 ... 24Vdc	8 ... 24Vdc

\*) in development or delivery only for special projects