

# PRODUCT DATASHEET

iID® Read Write Interfaces

## INDUSTRY UHF 0906ext

### Industrial UHF RFID read/write unit for external antennae

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 0906ext-02

<b>RFIDSystem:</b>	UHF iID® 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® driver engine	
<b>RFID Air Interfaces:</b>	868 MHz RFID, ISO 18000-6	
<b>Operating Distance:</b>	0 ... 10m	depending on transponder type, metal environment and external antenna
<b>Reader Antenna:</b>	2x 50Ω	two external antennae, multiplexed
<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® 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>		CE EN 302 208-2 FCC part 15 on inquiry
<b>Protection Class:</b>		IP 54

<b>Type:</b>	<b>46.29.850.00</b>	<b>46.23.850.00</b>	<b>46.27.850.00</b>	<b>46.21.850.00</b>	<b>46.20.850.00*</b>
<b>RFID Antenna:</b>	2 external	2 external	2 external	2 external	2 external
<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