

PRODUCT DATASHEET

iID® Read Write Interfaces

INDUSTRY 0906 UHF

Smart industrial UHF RFID read/write unit

The integrated industry reader is designed for high speed UHF transponder and sensor transponder applications and can be used under harsh industrial environments. This device is available in compact form factor 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 UHF 0906-04

Basics:	UHF (868MHz), far field read / write unit with integrated antenna DOC (direct online communication) and SPC (script programmed communication) mode
RF System:	UHF: iID®4000
<i>Standards:</i>	based on ISO 18000-6C
<i>Chip Solutions:</i>	EPC C1 G2 / ISO 18000-6C, Alien Higgs 3/4, Impinj Monza 3/4/5, NXP UCODE, Temperature Sensor EM4325
RFID Air Interface:	868 MHz RFID
<i>Operating Distance:</i>	0 ... 3m, depending on transponder type and metal environment
<i>Reader Antenna:</i>	integrated antenna
<i>Field Direction:</i>	circular, top side
<i>Communication Rate:</i>	transmit: up to 160 kbps, receive: up to 320 kbps
HOST Interface:	USB or P-CAN or Ethernet or RS232 standard
<i>Connector:</i>	mini USB or Binder series 712
<i>Power Supply:</i>	5V±5% (USB, stabilized) or +7.5V...24V (unstabilized)
<i>Power Consumption:</i>	typ. 100mA (USB, idle mode, +5V), typ. 400mA (USB, active mode, +5V)
<i>Software Interface:</i>	iID® interface protocol V4
<i>Supported Commands:</i>	see actual API documentation of <i>microsensys</i> iID® driver engine
Housing:	plastic small design with integrated antenna
<i>Device Size:</i>	approx. 96 x 66 x 30mm ³
<i>Casing Material:</i>	POM (black), PC (transparent)
<i>Mounting:</i>	mountable with 2 screws, mounting on metal surfaces possible
Environmental Conditions:	industrial IP 67
<i>Operating Temperature:</i>	-5°C...+70°C
<i>Storage Temperature:</i>	-25°C ... +85°C
<i>Protection Class:</i>	IP 67
Emissions:	CE EN 302 208-2, on inquiry FCC part 15

Order Information:

Type:	46.29.830.00	46.23.830.00	46.27.830.00	46.21.830.00*	46.20.830.00*
HOST Interface:	USB	Ethernet	P-CAN	RS232	2xIN, 2xOUT / USB
Power Supply:	5V+/-5%	7.5V...24Vdc	7.5V...24Vdc	7.5V...24Vdc	5V+/-5%

*) in development or delivery only for special projects