PRODUCT DATASHEET

iID® Read Write Interfaces

INDUSTRY 0906 HF

Smart industrial HF RFID read/write unit

The integrated industry reader is designed for transponder and TELID® sensor applications and supports HF (high frequency) and can used under harsh industrial environments. This device is available 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.

Basics:	HF proximity read / write unit
	DOC (direct online communication) and SPC (script programmed communication) mode
RFID System:	HF: iID®2000/3000
Standards:	based on ISO 15693, ISO 14443, ISO 18000-3
Chip support:	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
RFID Air Interface:	13.56 MHz RFID
Operating Distance:	0 … 15cm, depending on transponder type and metal environment
Reader Antenna:	integrated antenna, P36
Field Direction:	top side
Communication Rate:	106 kbps, 424 kbps
HOST Interface:	
Communication interface:	USB or P-CAN or Ethernet or RS232 standard
Connector:	mini USB or Binder series 712
Power Supply:	USB: 5V±5% (300mA, stabilized, low noise) or +7.5V(300mA)..24V(200mA) (unstabilized)
Power Consumption:	typ. 30mA (USB, idle mode, +5V), typ. 300mA (USB, active mode, +5V)
Software Interface :	iID® 3000 interface protocol
Supported Commands:	see actual API documentation of microsensys iID® driver engine
Housing:	plastic small design with integrated antenna
Device Size:	approx. 96 x 66 x 30mm^3
Casing Material:	POM (black), PC (transparent)
Mounting:	mountable with 2 screws, mounting on metal surfaces possible
Environmental Conditions:	
Operating Temperature:	-5°C … +70°C
Storage Temperature:	-25°C … +85°C
Protection Class:	IP 67
Emissions:	CE, EN 300330-2, on inquiry: FCC part 15

Ordering information:

Type iID®:	56.69.700.00	56.63.700.00	56.67.700.00*	56.61.700.00*	56.69.700.90*
HOST Interface:	USB	Ethernet	P-CAN	RS232	2xIN,2xOUT/USB
Power Supply:	5V+/-5%	7.5V…24V	7.5V…24V	7.5V…24V	5V+/-5%
iID®Operating System:	standard	standard	standard	standard	customized

*) in development or delivery only for special projects