PRODUCT DATASHEET

iID® Read Write Interfaces

INDUSTRY 0906ext UHF

Industrial UHF RFID read/write unit for external antennae

The integrated industry reader is designed for high speed UHF transponder and sensor applications and can used under harsh industrial environments. This device is available in compact form factor with different HOST interfaces as P-CAN, USB, RS232 or Ethernet and connecting possibilities for two external UHF antennae. 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.



mícro

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

IND UHF 0906ext-04

Basics:	UHF (868MHz), far field read / write unit with external antennae DOC (direct online communication) and SPC (script programmed communication) mode				
RF System: Standards: Chip Solutions:	UHF: iID [®] 4				based on ISO 18000-6C 18000-6C, Alien Higgs 3/4, mperature Sensor EM4325
RFID Air Interface: Operating Distance: Reader Antenna: Field Direction: Communication Rate:	868 MHz RFID 0 10m, depending on transponder type and metal environment 2x50Ω connector for external antenna, multiplexed - transmit: up to 160 kbps, receive: up to 320 kbps				
HOST Interface: Connector: Power Supply: Power Consumption: Software Interface: Supported Commands:	USB or P-CAN or Ethernet or RS232 standard mini USB or Binder series 712, SMA jack antenna connector 5V±5% (USB, stabilized) or +7.5V24V (unstabilized) typ. 100mA (USB, idle mode, +5V), typ. 400mA (USB, active mode, +5V) iID [®] interface protocol V4 see actual API documentation of microsensys iID [®] driver engine				
Housing: Device Size: Casing Material: Mounting:	plastic small design approx. 96 x 66 x 30mm ³ POM (black), PC (transparent) mountable with 2 screws, mounting on metal surfaces possible				
Environmental Conditions: Operating Temperature: Storage Temperature: Protection Class:	-25°C +85°C				-5°C…+70°C -25°C … +85°C IP 67
Emissions:	CE			EN 302 20	8-2, on inquiry FCC part 15
Order Information: Type:	46.29.850.00	46.23.850.00	46.27.850.00*	46.21.850.00	46.20.850.00
RFID Antenna: HOST Interface: Power Supply:	2 external USB 5V+/-5%	2 external Ethernet 7.5V24Vdc	2 external P-CAN 7.5V24Vdc *)	2 external RS232 7.5V24Vdc in development or d	2 external 2xIN, 1xOUT/ USB 5V+/-5% elivery only for special projects

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