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 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 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.

Basics:
- UHF (868MHz), far field read / write unit with external antennae
- DOC (direct online communication) and SPC (script programmed communication) mode

RF System:
- Standards: UHF: iID®4000
- Chip Solutions: based on ISO 18000-6C

RFID Air Interface:
- Operating Distance: 868 MHz RFID
- Reader Antenna: 0 … 10m, depending on transponder type and metal environment
- Field Direction: 2x50Ω connector for external antenna, multiplexed
- Communication Rate: transmit: up to 160 kbps, receive: up to 320 kbps

HOST Interface:
- Connector: USB or P-CAN or Ethernet or RS232 standard
- Power Supply: mini USB or Binder series 712, SMA jack antenna connector
- Power Consumption: 5V±5% (USB, stabilized) or +7.5V..24V (unstabilized)
- Software Interface: typ. 100mA (USB, idle mode, +5V), typ. 400mA (USB, active mode, +5V)
- Supported Commands: iID® interface protocol V4
  see actual API documentation of microsensys iID® driver engine

Housing:
- Device Size: approx. 96 x 66 x 30mm³
- Casing Material: plastic small design
  POM (black), PC (transparent)
- Mounting: mountable with 2 screws, mounting on metal surfaces possible

Environmental Conditions:
- Operating Temperature: industrial IP 67
- Storage Temperature: -5°C…+70°C
- Protection Class: -25°C … +85°C
- Protection Class: IP 67

Emissions:
- CE EN 302 208-2, 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: 2 external 2 external 2 external 2 external 2 external
- HOST Interface: 2 external USB Ethernet P-CAN RS232 2xIN, 1xOUT/ USB
- Power Supply: 7.5V…24Vdc 7.5V…24Vdc 7.5V…24Vdc 7.5V…24Vdc 5V+/−5%
  *) in development or delivery only for special projects

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