## Industry 0906 HF

**Smart industrial HF RFID read/write unit**

The integrated industry reader is designed for high speed transponder and access control applications and can be 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:
- **Standards:** HF: iID®2000/3000 or LEGIC® SM-4500 based on ISO 15693, ISO 14443, ISO 18000-3
- **Chips iID®2000/3000:** 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
- **Chips LEGIC®:** LEGIC® Prime, LEGIC® Advant, MIFARE®, SONY Felica*, inside contactless pico-TAG* (*UID only)

### RFID Air Interface:
- **Operating Distance:** 13.56 MHz RFID
- **Reader Antenna:** 0 … 15cm, depending on transponder type and metal environment
- **Field Direction:** integrated antenna, P36
- **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 Consumption:** USB: 5V±5% (300mA, stabilized, low noise) or +7.5V(300mA).24V(200mA) (unstabilized)
- **typ. 30mA (USB, idle mode, +5V), typ. 300mA (USB, active mode, +5V)**
- **iID® 3000 interface protocol** see actual API documentation of microsensys iID® driver engine

### Housing:
- **Device Size:** plastic small design with integrated antenna
- **Casing Material:** approx. 96 x 66 x 30mm³
- **Mounting:** POM (black), PC (transparent)
- **Environmental Conditions:** mountable with 2 screws, mounting on metal surfaces possible
- **Operating Temperature:** industrial IP 67
- **Storage Temperature:** -5°C … +70°C
- **Protection Class:** -25°C … +85°C

### Emissions:
- **CE**
- **EN 300330-2, on inquiry: FCC part 15**

### Order Information:
- **Type iID®:** 56.69.700.00 56.63.700.00 56.67.700.00* 56.61.700.00* 56.69.700.90*
- **Type LEGIC®:** 56.69.505.00 56.63.505.00 56.67.505.00* 56.61.505.00* 56.69.505.90
- **HOST Interface:**
  - USB
  - Ethernet
  - P-CAN
  - RS232
- **Power Supply:**
  - 5V+/−5%
  - 7.5V…24V
- **iID® Operating System:**
  - standard
  - standard
  - customized

* in development or delivery only for special projects