**iID® module Q10**

**HF-RFID read/write module, board without case**

The microsensys iID® read/write module Q10 is designed for miniaturized and customized RFID applications. This device is available with different HOST interfaces as I²C bus or RS232TTL.

A comfortable set of software functions supported over microsensys iID® driver engine and or the polling mode 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.

### RFID Technology:

- **Standards:** Based on ISO 15693
- **I-CODE®, Tag-it®, my-D®, iID®, M, EM chip types, iID®G**
- **on inquiry:** mic3®, TELID®, my-D®-S, Mifare®

### Basics:

- Closed coupling read write with integrated antenna
- Standard command set of iID® driver engine, supports multiple contactless protocols
- Interface with downloadable iID® reader operation system for upgrades

### RFID Air Interfaces:

- **Operating Distance:** 13.56 MHz RFID, high speed and fast mode, standard type don’t support anticollision
- **Reader Antenna:** Depending on transponder type and metal environment
- **Field Direction:** Integrated P10, optional on inquiry K3 orthogonal to the board

### HOST Interface:

- **RS232TTL, PC** depending on device type
- **ERNI MiniBridge, vertical male, part number 214012**
- **+5V, stabilized, low noise**
- **typ. 20mA (idle mode)**
- **max. 80mA (active mode)**

### Power Supply:

- **+5V, stabilized, low noise**
- **typ. 20mA (idle mode)**
- **max. 80mA (active mode)**

### Software Interface:

- **iID® driver engine (Windows) or iID®-2200 macro command open protocol**
- **see actual API documentation of microsensys iID® driver engine**

### Device Size Type1:

- **33.5 x 17 x 4 mm³**
- **6.5 mm high with connector**
- **FR4, PUR on top**

### Casing Material:

- **FR4, PUR on top**

### Operation Temperature:

- **-5°C ... +65°C**

### Storage Temperature:

- **-20°C ... +85°C**

### Emissions:

- **examine for EN 300330**

### Protection Class:

- **IP 54 (without connector)**

### Type:

<table>
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<tr>
<th>Downloaded OP System</th>
<th>HOST Interface</th>
<th>Reader Antenna</th>
<th>Communication Distance</th>
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<td>I²C</td>
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<tr>
<td>iID®-2200</td>
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<td>iID®-2000</td>
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measured with D7-2k transponder, typically