**UNI13.700 RFID unit**

**HF-RFID read/write module**

UNI13.700 is a compact size, multi standard HF (13.56MHz) RFID read/write device with integrated antenna. Integration of UNI13 provides best opportunities for applications like probe and item management, access control, as well as TELID® sensor applications.

iID®3000.700 modules are supporting multiple RF transponder chips based on NFC, HF ISO communication standards ISO15693, ISO1443A and ISO14443B beneath some proprietary chip types. microsensys offers an attractive component platform for RFID solutions – transponders, smart readers and modules as well as practical software tools.

**RF Technology:** closed coupling RFID system iID®3000

**RFID Standards:** ISO15693, ISO 14443A/B, including divers NFC formats

**Chip Solutions:** I-CODE®, Tag-it®, my-D®, iID®M, iID®G, Mifare®, TELID® sensor systems inside pico-TAG

**General:** short range read/write communication

**Accessory:** reader operating system upgrade using iID® interface config tool

**RFID Air Interfaces:** 13.56 MHz

**Operating Distance:** 0 ... 50 mm depending on transponder antenna and chip type

**Reader Antenna:** integrated printed antenna P13 top direction, orthogonal

**Field Direction:**

**HOST interface:** USB 2.0 or RS232TTL data rate up to 115.2 kbps

**Connector:** RS232/USB type A connection cable, length 30cm

**Power Supply:** 5V, low noise

**Command set:** iID® driver engine, iID® 3000PRO wire protocol

**Software Interface:** iID® driver engine (Windows), signed USB device driver see actual API documentation of microsensys

**Supported commands:**

**Device size:** approx. 55 x 28 x 12 mm³

**Case material:** plastic, epoxy moulded

**Operation Temperature:** 0°C ... +45°C

**Storage Temperature:** -25°C ... +75°C

**Emissions:** examine for EN 300330

**Protection Class:** IP65 (without connector)

**Remark:** base module for customized OEM solution

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