

PRODUCT DATASHEET

iID® Read Write Interfaces

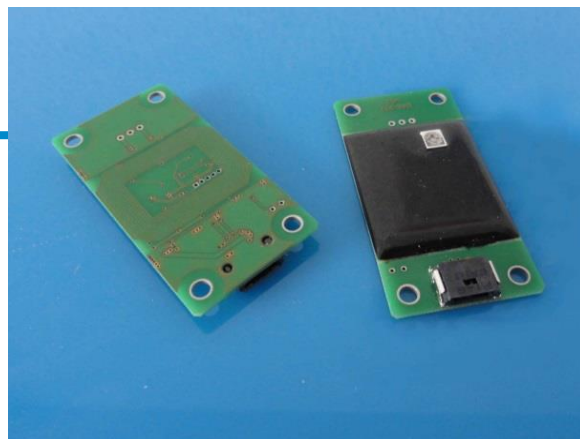
iID® module U70

HF-RFID read/write module

iID® module U70 is a compact size, multi standard HF (13.56MHz) RFID module with integrated or directly connected external antenna option. Integration of U70 provides best opportunities for applications like probe and item management, access control, as well as TELID® sensor applications.

iID® module U70 supports 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



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

microsensys
RFID in motion

U70board-02

RF Technology:

RFID Standards:

closed coupling RFID system iID®2000 / iID®3000
ISO15693, ISO 14443A/B

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

Reader Antenna:

depending on transponder and antennae

integrated printed antenna, P20

external antenna possible (wire mounted, on inquiry)

top and bottom, orthogonal (integrated antenna)

Field Direction:

HOST interface:

RS232TTL or I²C

Connector:

57.6 kbps or up to 400 kHz

ERNI MiniBridge, vertical male, part number 214012

Power Supply:

5V, stabilized, low noise

Command set:

iID® driver engine, iID® 300PRO wire protocol

Software interface :

iID® driver engine (Windows)

Supported commands:

see actual API documentation of microsensys

Device size:

Mounting:

Case material:

52 x 26 x 5 mm³, height in connector area 6.5mm

4 x screw holes, diameter 3.0mm, no metal environment

FR4, top material PUR

Operation Temperature:

0°C ... +45°C

Storage Temperature:

-25°C ... +75°C

Emissions:

examine for EN 300330

Protection Class:

-

Remark:

base module for customized OEM solution

Type :

23.66.700.00

23.68.700.00

HOST Interface:

RS232TTL

I²C

Downloaded OP System:

iID® 3000PRO

iID® 3000PRO

Power Consumption (typ):

IDLE 30mA,
ACTIVE 150mA

IDLE 30mA,
ACTIVE 150mA

Software Interface:

iID® driver engine

iID® driver engine