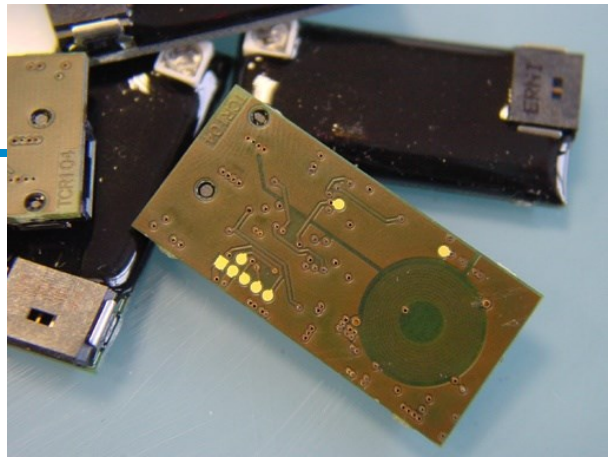
PRODUCT DATASHEET

iID® Read Write Interfaces



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 or and 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

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microSensys RFID in motion

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

Q10board -04

RFID Technology:	closed coupling RFID system iID®2000	
Standards:		based on ISO 15693
Chip Solutions:		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:	13.56 MHz RFID, high speed and fast mode, standard type don't support anticollision	
Operating Distance:	0 ... 15 mm	depending on transponder type and metal environment
Reader Antenna:		integrated P10, optional on inquiry K3
Field Direction:		orthogonal to the board
HOST Interface:	RS232TTL, I²C	depending on device type
Mounting:		no special options
Connector:		ERNI MiniBridge, vertical male, part number 214012
Power Supply:		+5V, stabilized, low noise
Power Consumption:		typ. 20mA (idle mode) max. 80mA (active mode)
Software Interface :	iID® driver engine (Windows) or iID®2200 macro command open protocol	
Supported Commands:		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
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 :	**23.38.102**	**23.38.122**	**23.36.102**	**23.76.102**	
Downloaded OP System:	iID®-2000	iID®-2200	iID®-2000	iID®-2000	
HOST Interface:	I²C	I²C	RS232TTL	RS232TTL	
Reader Antenna:	P10	P10	P10	K3	
Communication Distance:	8	8	8	6	mm

measured with D7-2k transponder, typically