

PRODUCT DATASHEET

iID[®] Read Write Interfaces

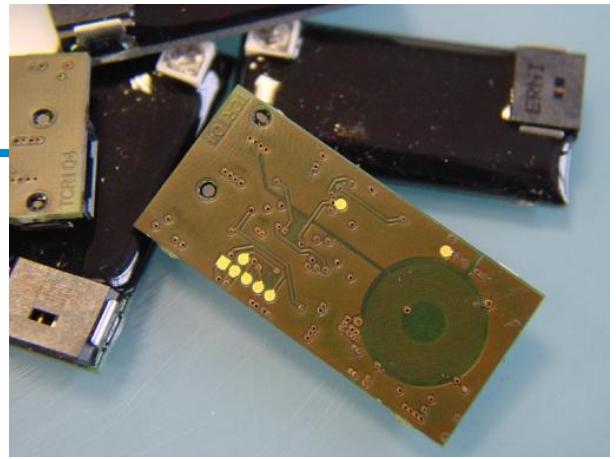
iID[®] module Q10

HF-RFID read/write module

The microsensus 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 microsensus iID driver engine or and the polling mode makes this reader very flexible for customer solutions.

microsensus offers an attractive component platform for RFID solutions – from transponder over smart readers to practical software tools



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This data sheet is subject to change. contact microsensus for latest information
Q10module -03.docx

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 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, I ² C	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)	
Supported Commands:		see actual API documentation of microsensus iID [®] driver engine
Device Size Type1:	33.5 x 17 x 4 mm ³	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	23.36.102	23.76.102	
Downloaded OP System:	iID [®] -2000	iID [®] -2000	iID [®] -2000	
HOST Interface:	I ² C	RS232TTL	RS232TTL	
Reader Antenna:	P10	P10	K3	
Communication Distance:	8	8	6	mm
measured with D7-2k transponder, typically				