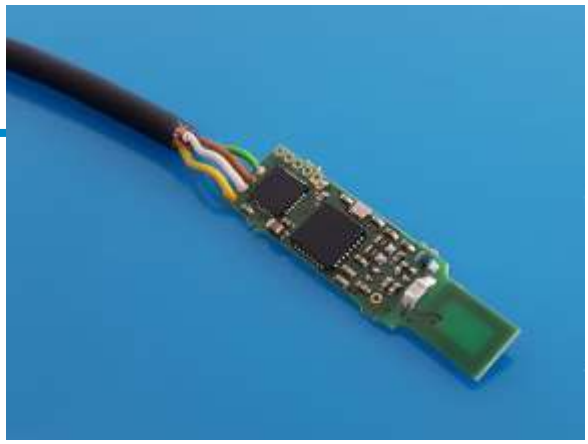
PRODUCT DATASHEET

iID® Read Write Interfaces



iID® module Q9

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 Q9 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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Q9board-01

RF Technology:		closed coupling RFID system iID®2000 / iID®3000
RFID Standards:		ISO15693, ISO 14443A/B
Chip Solutions:		I-CODE®, Tag-it®, my-D®, iID®L, iID®M, Mifare®, TELID®sensor systems
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 ... 30 mm	depending on transponder type and environmental conditions
Reader Antenna:		integrated printed antenna, P0608
		external antenna possible (wire mounted,on inquiry)
Field Direction:		top and bottom, orthogonal (integrated antenna)
HOST interface:	RS232TTL or I²C	57.6 kbps or up to 400 kHz
Connector:		no connector
Power Supply:	3.3V	stabilized, low noise
Current:		typical 55 mA , Read Command
		typical 15 mA, Idle Mode
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:	32 x 8 x 2 mm³	including antenna
Mounting:		no metal environment
Case material:		FR4 with black EPOXY passivation
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 :	**23.36.709.00**	**23.38.709.00**
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