PRODUCT DATASHEET

iID® Read Write Interfaces

UNI10 RFID unit

HF-RFID read/write device as OEM product

- **small and flexible RFID module**
- **available as OEM product**
- **integrated into customer products**
- **based on ISO 15693**
- **fast customization and modification possible**

The RFID read/write module UNI13 belongs to *microsensys* proved OEM products for different HF transponder systems.
The device supports a wide field of different HF standards and different HOST interfaces
microsensys offers an attractive component platform for RFID solutions – from special transponder to optimized software tools.

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RFID Technology:	system iID®2000	
Standards:		based on ISO 15693
Chip Solutions:		I-CODE®, Tag-it®, my-D®, iID®M, EM chip types, iID®G
		on request: mic3®, TELID®, my-D®-S, Mifare® , LEGIC®prime
Basics:	closed coupling read write unit 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 Interface:	13.56MHz RFID	standard type don't support anticollision
Operating Distance:	0 ... 15mm	depending on transponder type and metal environment
Reader Antenna:		P10 or K3
Field Radiation:		top side or small side direction
Electronic Module:		Q10
HOST Interface:	RS232TTL or I²C	
Connector:		cable 50cm, tinned end
		optional: with M12 connector IP65, see picture
Power Supply:		+5V, stabilized, low noise
Communication Modes:	DOC	optional: SPC mode
Software Interface :		iID® driver engine (Windows (x86/x64), Windows Mobile 6.0, CE.net 6.0)
		iID® Java API (Android OS)
Device Configuration:		iID® interface configuration tool (x86)
Supported Commands:		see actual API documentation iID® driver engine
Device Basics:	iID® reader operation system	downloadable
Operation Modes:	IDLE, ACTIVE	HOST controlled
Power Consumption:		IDLE 20mA, ACTIVE typ.80mA
Device Size:	50 x 20 x 5.5 mm³	
Casing Material:		plastic, epoxy moulded
Operation Temperature:	-5°C ... +65°C	
Storage Temperature:	-25°C ... +85°C	
Emissions:	examine for EN 300330	
Protection Class:	IP 64 (without connector)	

Type :	**28.78.250***	**28.38.250**	**28.36.250***	
OP System / Options:	iID-2000	iID-2000	iID-2000	
Standards:	ISO15693	ISO15693	ISO15693	
Antenna:	K3 small side	P10 top side	P10 top side	
Communication Distance:	up to 3	up to 15	up to 15	mm
HOST Interface:	I²C	I²C	RS232TTL	

*) in development or only on inquiry