

PRODUCT DATASHEET

iID® Read Write Interfaces

iID® POCKETwork

Mobile HF-RFID read/write device

iID® POCKETwork is one of the newest innovation in *microsensys* mobile RFID concept. This reader is very useful for mobile data acquisition, asset management and maintenance documentation in administration, industry and logistics.

The device supports a wide field of different HF standards and chip solutions for mobile data capturing together with notebooks, tablet PCs and smart phones. It can be used as stand-alone data capture unit also.

microsensys offers an attractive component platform for RFID solutions – from special transponder to optimized software tools.



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RFID in motion

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contact microsensys for latest information

POCKETwork 002

RFID Technology:	closed coupling RFID system iID®3000		
Standards:		based on ISO 15693, ISO 14443, ISO18000-3	
Chip Solutions:		LEGIC®, I-CODE®, Tag-it®, my-D®, iID®M, EM chip types, iID®G, iID®K, TELID®200, TELID®300, Mifare ultralight	
RFID Air Interface:	13.56MHz RFID		standard type don't support anticollision
Operating Distance:	0 ... 50mm		depending on transponder type and metal environment
Reader Antenna:	K3 or P1333		Field Direction: on top, in back sidedirection
HOST Interface:	Bluetooth class 2 and USB 2.0		
Bluetooth Profile:	BT 2.0+EDR compliant, SPP, connecting in server or client mode, distance up to 5m		optional: MPC or SPC mode
Communication Modes:	DOC		
USB Connectors:	USB micro		
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:	SLEEP, ACTIVE, SCAN		HOST or button controlled
Power Consumption:			SLEEP typ.5µA, ACTIVE typ.40mA, SCAN max. 150mA
Standard Features:	Display, Data Capture Memory, RTC		
Memory:	16kByte EEPROM for configuration, 2MByte Flash for capture data		crystal stabilized RTC, set up over HOST
RTC:			OLED 96 x 64 matrix display
Display:			SCAN, F1(power ON/OFF), F2
Buttons:			integrated, variable frequency
Buzzer:			
Battery:	Li-Polymer accumulator		3.7V, 470mAh, microsensys type
Operation Time:	up to 2000h sleep mode, up to 5000 RFID data captures (on time: 1s)		up to 400 Bluetooth connections (on time: 1min)
Charging:			micro USB connector, recharge time approx. 4h
Battery Life Time:			up to 3 years, max. 700 recharge cycles
Device Size:	small POCKET case, 86 x 54 x 10 mm³		
Casing Material:			tbid
Operation Temperature:	-20°C ... +60°C	Storage Temperature:	-25°C ... +65°C
Emissions:	examine for EN 300330	Battery Loading Temperature:	0 ... +45°C
Protection Class:	IP 54		

Type :	72.72.710*	72.62.700	72.62.710	72.62.505* *) in development
OP system / Options:	iID-3000 / SPC	iID-3000 / DOC	iID-3000 / SPC	LEGIC / DOC
Standards:	ISO15693	ISO15693,14443	ISO15693,14443	optional ISO15693,14443
Antenna:	K3	P1333	P1333	P1333
Communication Distance:	up to 3	up to 50	up to 50	up to 30 mm