

PRODUCT DATASHEET

iID® Read Write Interfaces

iID® POCKETwork UHF

Mobile UHF-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 UHF standards for mobile data capturing together with notebooks, tablet PCs and smart phones. It can also be used as stand-alone data capture unit and as RFID interface for UHF *TELID*® sensors.

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

POCKETwork UHF 001

RFID Technology:	UHF RFID system iID®4000		
Standards:	based on ISO18000-6 Type 3 (EPC C1 G2)		
Chip Solutions:	Alien Higgs 3/4, Impinj Monza 3/4/5, NXP UCODE optional: TELID®400, TELID®500, Temperature Sensor EM4325 optional: MAGICSTRAP™		
RFID Air Interface:	868 MHz RFID		ETSI EN 302 208
Operating Distance:	0 ... 80cm		depending on transponder type and metal environment
Reader Antenna:	PA3 or CA1015	Field Direction:	on top to back side
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		
Communication Modes:	DOC		optional: SPC mode
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) iID® interface configuration tool (x86) see actual API documentation iID® driver engine		
Device Configuration:			downloadable
Supported Commands:			HOST or button controlled
Device Basics:	iID® reader operation system		
Operation Modes:	SLEEP, ACTIVE, SCAN		SLEEP typ.5µA, ACTIVE typ.40mA, SCAN max.150mA
Power Consumption:			
Standard Features:	Display, Data Capture Memory, RTC		
Memory:	16kByte EEPROM for configuration, 2MByte Flash for capture data		
RTC:	crystal stabilized RTC, set up over HOST		
Display:	OLED 96 x 64 matrix display		
Buttons:	SCAN, F1(power ON/OFF), F2		
Buzzer:	integrated, variable frequency		
Battery:	Li-Polymer accumulator		
Operation Time:	3.7V, 470mAh, <i>microsensys</i> type up to 2000h sleep mode, up to 2000 RFID data captures (on time: 1s) up to 400 Bluetooth connections (on time: 1min) micro USB connector, recharge time approx. 4h up to 3 years, max. 700 recharge cycles		
Charging:			
Battery Life Time:			
Device Size:	small POCKET case, 86 x 54 x 10 mm³		
Casing Material:			tbd
Operation Temperature:	-20°C ... +60°C	Storage Temperature:	-25°C ... +65°C
		Battery Loading Temperature:	0 ... +45°C
Emissions:	examine for EN 302 208		
Protection Class:	IP 54		

Type :	41.22.800	41.12.800	41.22.810*	*) in development
OP System / Comm.Mode:	iID-4000 / DOC	iID-4000 / DOC	iID-4000 / SPC	
Special Chip Solutions:	-	MAGICSTRAP	-	
Antenna:	CA1015	PA3	CA1015	
Communication Distance:	up to 80	up to 1	up to 80	cm