

PRODUCT DATASHEET

iID® Read Write Interfaces

iID® POCKETwork UHFcc

Mobile UHF-RFID read/write device and data collector, HID option

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 including TELID® sensor functionality for mobile data capturing together with notebooks, tablet PCs and smart phones.

It can be used as stand-alone data capture unit or input device as well.

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 UHFcc 010.

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™ (type .821)	
RFID Air Interface:	868 MHz RFID	ETSI EN 302 208
Operating Distance:	0 ... 80cm	depending on transponder type and metal environment
Reader Antenna:	P07U or K3U	Field Direction: on top, front direction
HOST Interface:	Bluetooth class 2 (HID / SPP) and USB 2.0	
Bluetooth Profile:	BT 2.0+EDR compliant, HID, SPP, connecting in server or client mode, distance up to 20m	
Communication Modes:	DOC / SPC / MPC	
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/x64) 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.250mA
Power Consumption:		
Standard Features:	Display, Data Capture Memory, RTC, Human Input Device	
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:	plastic casing	
Operation Temperature:	-20°C ... +60°C	Storage Temperature: -25°C ... +65°C
Emissions:	examine for EN 302 208	
Protection Class:	IP 54	Battery Loading Temperature: 0 ... +45°C

Type :	41.12.820	41.12.821*	* in development or on request
OP System / Comm.Mode:	iID-4000	iID-4000	
Special Chip Solutions:	-	MAGICSTRAP	
Antenna:	P07U	K3U (UHF pin antenna)	
Communication Distance:	up to 30	up to 1	cm