PRODUCT DATASHEET

iID® Read Write Interfaces

iID® POCKETwork

Mobile HF-RFID read/write device and data collector with 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 HF standards and chip solutions 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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microSensys RFID in motion

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 P07	**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)		
Device Configuration:	iID® interface configuration tool (x86/x64)		
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. 200mA		
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		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:			plastic casing
Operation Temperature:	-20°C ... +60°C	**Storage Temperature:**	-25°C ... +65°C
		Battery Loading Temperature:	0 … +45°C
Emissions:	examine for EN 300330		
Protection Class:	IP 54		

Type :	**72.62.720**	**72.62.525**	**72.72.720***	*) on request, for miniature tags
OP system / Options:	iID-3000 / HID	LEGIC / HID	iID-3000 / HID	
Standards:	ISO15693,14443	ISO15693,14443	ISO15693 optimized	
Antenna:	P07	P07	K3 (HF stump antenna)	
Communication Distance:	up to 50	up to 30	up to 3	mm