PRODUCT DATASHEET

iID® Read Write Interfaces

iID® PENsolid UHF

Mobile UHF-RFID read/write device & HID scanner

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

It supports a wide field of different UHF transponder chips and additional sensor functionality. It is designed especially as touch enabled add on device for mobile devices, tablet PCs and smart phones and as well available as HF device.

microsensys offers an attractive component platform for RFID solutions – from transponder over smart readers up to practical software tools.

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This data sheet is subject to change.
contact microsensys for latest information   PENsolid-UHF 002.docx

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Basics:	UHF RFID read / write unit,	
		RFID keyboard scanner, MPC RFID datacollector (on inquiry)
Control:		power button, scan button
Output:		power LED (orange), connect LED (blue), RF state LEDs (red/green)
RFID Air Interface:	RFID system iID®4000	UHF (868/915 MHz)
Standards:		based on ISO 18000-6c
Chip Solutions:		Alien Higgs 3/4, Impinj Monza 3/4/5, NXP U-CODE, TELID®400, TELID®500
		murata MAGICSTRAP™, IM5-PK2525 (type UHFcc)
Operating Distance:	0 ... 50 cm	depending on device type,
		transponder size, type and environmental conditions
HOST Interface:	Bluetooth™	
Wireless host interface:		Bluetooth™ 2.0, profiles: HID/ SPP, up to 10m communication range
Communication Modes:		Bluetooth™ server or client mode
Connectors:		USB micro (type B), for battery charging and device configuration
Software Interface :		iID® driver engine (Windows, Windows Mobile, Android)
Supported Commands:		see actual API documentation of microsensys iID® driver engine
Operation Modes:	programmable	
Operation Modes:		DOC or SPC, MPC on inquiry
Power Modes:		SLEEP, IDLE, ACTIVE
Power Consumption:		SLEEP typ. 5µA , IDLE typ. 60 mA, ACTIVE max. 400 mA
Battery:	Li-Ion rechargeable	
Type:		Li-Ion accumulator 3.7 V, 420 mAh, replacement by service
Operation Time:		up to 10h, depending on operation mode
Charging:		micro USB cable, via micro USB connector
Battery Life Time:		up to 3 years, max. 700 recharge cycles
Device Size:	PEN geometry	117 mm x 27mm x 19(23) mm
Casing Material:		plastic
Operation Temperature:	-20°C ... +60°C	
Storage Temperature:		-25°C ... +70°C
Emissions:	examine for EN 302 208	
Protection Class:	IP 65	

Type :	**43.72.850.00**	**43.22.850.00***	
Downloaded OP System:	iID-4000	iID-4000	
Reader Antenna:	P3U (type UHFcc)	CA1604 (preli) (type UHF)	
Communication range:	0...5	0...50	cm
Field Direction:	front, touch tip direction	-	

*) in development or delivery only for special projects