

PRODUCT DATASHEET

iID[®] Read Write Interfaces

iID[®] PENmotion

Mobile HF-RFID read/write device

iID[®] PENmotion 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 HF standards and chip solutions - designed especially as add on device for mobile notebooks, tablet PCs and smart phones.

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



microsensys GmbH
In der Hochstedter Ecke 2
D 99098 Erfurt

microSensys
RFID in motion

TEL +49-361-59874 0
E-MAIL info@microsensys.de
FAX +49-361-59874 17
WEB www.microsensys.de

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

PENmotion 001.d

RFID Technology:	closed coupling RFID system iID [®] 2000/3000	
Standards:		based on ISO 15693 and ISO 14443
Chip Solutions:		I-CODE [®] , Tag-it [®] , my-D [®] , iID [®] M, EM chip types, iID [®] G, iID [®] L, TELID [®] 200, Mifare [®] ultralight, on inquiry: mic3 [®] , iID [®] K, NFC, TELID [®] , my-D [®] -S
Basics:	closed coupling read / write unit	iID [®] reader operation system
RFID Air Interface:	13.56 MHz RFID,	standard type doesn't support anticollision
Operating Distance:	0 ... 20 mm	depending on transponder type and metal environment
Reader Antenna:		K3
Field Direction:		closed coupling PEN antenna in front direction
HOST Interface:	Bluetooth class 2	
BT Port Profile:		BT 2.0 compliant, up to 5 m, serial port profile
Communication Modes:		programmable as server or client, DOC or SPC mode
Connectors:		only for battery charging
Software Interface :		iID [®] driver engine (Windows Mobile 6.0, CE.net 6.0)
Supported Commands:		see actual API documentation of microsensys iID [®] driver engine
Operation Modes:	SLEEP, STAND BY, IDLE, ACTIVE	
Control:		automatically, HOST or g-sensor controlled
Power Consumption:		SLEEP max. 50µA , IDLE typ. 30 mA, ACTIVE max. 200 mA
Special Device Features:	Memory, RTC	
Memory:		128 Byte EEPROM, only configuration memory
RTC:		not activated
Display:		colour LEDs
Buttons:		no buttons, moving controlled
Battery:	Li-Ion accumulator 3.6 V, 300 mAh, microsensys type	
Operation Time:		up to 5000 h sleep mode, up to 5000 RFID data captures up to 500 Bluetooth connections (on time: 1 min)
Charging:		Easy Charger or Charger Box necessary
Device Size:	PEN geometry, 135 mm long, 13.5 mm diameter	
Casing Material:		metal with plastic tip
Operation Temperature:	-20°C ... +60°C	Storage Temperature: -25°C ... +70°C
Emissions:	examine for EN 300330	Protection Class: IP 54

Type :	78.72.951.00	78.72.951.10*	78.72.952.00*
Downloaded OP System:	iID-2000/3000	iID-2000/3000	iID-2000/3000
Modes:	DOC	SPC	DOC, SPC
Software Interface :	iID [®] driver engine	iID [®] driver engine	

*) in development or delivery only for special projects