

# PRODUCT DATASHEET

iID<sup>®</sup> Read Write Interfaces

## iID<sup>®</sup> PENmini 7.0

HF-RFID read/write module in pen style

- very useful for very small transponders
- including mic3
- suitable for transponder sizes up to chip cards
- based on ISO 15693

With the PEN mini type continues *microsensys* the successful pen style product family of smart, flexible and low power 13.56MHz RFID read write units.

The device is very useable for mobile and stationary data acquisition in administration, industry and logistics.

*microsensys* offers an attractive component platform for closed coupling RFID solutions.



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This data sheet is subject to change.  
Contact us for latest information

**microSensys**  
RFID in motion

PEN mini7.0 001

<b>RFID Technology:</b>	closed coupling RFID system iID <sup>®</sup> 3000	
<b>Standards:</b>		based on ISO15693 and ISO14443
<b>Chip Solutions:</b>		mic3 <sup>®</sup> , I-CODE <sup>®</sup> , Tag-it <sup>®</sup> , my-D <sup>®</sup> , iID <sup>®</sup> M, iID <sup>®</sup> G, NFC, Mifare <sup>®</sup> , TELID <sup>®</sup> further chip solutions are supported partly: inside
<b>Basics:</b>	short range read/write communication	command sets of iID <sup>®</sup> driver engine downloadable reader operation system for upgrades
<b>RFID Air Interfaces:</b>	13.56 MHz RFID, fast mode	
<b>Operating Distance:</b>	0 ... 40 mm	depending on transponder antenna and chip type
<b>Reader Antenna:</b>		integrated antenna K3
<b>Field Direction:</b>		axial
<b>HOST Interface:</b>	USB 2.0	
<b>Data Rate:</b>		depending on ISO Standard and Chip Solutions
<b>Connector:</b>		standard USB or SubD-9male
<b>Power Supply:</b>	5V, stab., low noise	
<b>Power Consumption:</b>		IDLE mode: typ. 20mA SLEEP mode: not implemented ACTIVE mode: typ. 180mA
<b>Software Interface :</b>	iID <sup>®</sup> driver engine (Windows)	
<b>Supported Commands:</b>		see actual API documentation of <i>microsensys</i>
<b>Device Size:</b>	L130 mm, D12 mm	
<b>Casing Material:</b>	aluminium tube black, plastic pin with integrated antenna	
<b>Cable Length:</b>	SubD-9: 1.0 m, USB: 1.5 m	
<b>Operation Temperature:</b>	0°C ... +45°C	
<b>Atmospheric Humidity:</b>		30% ... 75%, not condensed
<b>Storage Temperature:</b>		-25°C ... +75°C
<b>Emissions:</b>		CE (examine for EN 300330) FCC (planned for 3th quarter 2013)
<b>Protection Class:</b>		IP 64 (not for connector)

<b>Type :</b>	<b>74.79.720.00</b>	<b>74.76.720.00*</b>
<b>Downloaded OP System:</b>	iID <sup>®</sup> -3000	iID <sup>®</sup> -3000
<b>HOST Interface:</b>	USB 2.0	RS232TTL
<b>Software Interface :</b>	iID <sup>®</sup> driver engine	iID <sup>®</sup> driver engine

\*) only on inquiry