

PRODUCT DATASHEET

iID[®] Read Write Interfaces

iID[®] PENmini 6.1

HF-RFID read/write module in pen style

- very useful for small transponders
- also suitable for transponder sizes up to chip cards (not recommended for mic3 transponders)
- based on ISO 15693 and 14443

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.



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
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Contact us for latest information

PEN mini6.1 001

RFID Technology:	closed coupling RFID system iID [®] 2000 / 3000	
Standards:		based on ISO 15693, ISO 14443
Chip Solutions:		I-CODE [®] , Tag-it [®] , my-D [®] , iID [®] M, iID [®] G, iID [®] K, TELID [®] 200/300 further chip solutions are supported partly: Mifare [®] , inside, Sony Felica sensor and high memory systems on inquiry
Basics:	short range read/write communication	command sets of iID [®] driver engine downloadable reader operation system for upgrades
RFID Air Interfaces:	13.56 MHz RFID, high speed and fast mode	
Operating Distance:	0 ... 30 mm	depending on transponder antenna and chip type
Reader Antenna:		integrated antenna K3
Field Direction:		axial
HOST Interface:	USB 1.1 or RS232TTL	
Data Rate:		up to 115.2 kbps
Connector:		standard USB or SubD 9male
Power Supply:	5V, stab., low noise	
Power Consumption:		IDLE mode: typ. 20mA SLEEP mode: not implemented ACTIVE mode: typ. 150mA
Software Interface :	iID [®] driver engine (Windows)	
Supported Commands:		see actual API documentation of <i>microsensys</i>
Device Size:	L130 mm, D12 mm	
Casing Material:	aluminium tube, plastic pin with integrated antenna	
Cable Length:	SubD-9: 1.0 m, USB: 1.5 m	
Operation Temperature:	0°C ... +45°C	
Atmospheric Humidity:		30% ... 75%, not condensed
Storage Temperature:		-25°C ... +75°C
Emissions:		examine for EN 300330
Protection Class:		IP 64 (not for connector)
Accessories:	PC Adapter for PENmin 232	

Type :	74.79.610.00	74.76.610.00	74.74.610.00*
Downloaded OP System:	iID [®] -2000/3000	iID [®] -2000/3000	iID [®] -2000/3000
HOST Interface:	USB 1.1	RS232TTL	CFC
Software Interface :	iID [®] driver engine	iID [®] driver engine	iID [®] driver engine

*) in development or delivery only for special projects