**PRODUCT DATASHEET**

**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.

### RFID Technology:
- **Standards:** closed coupling RFID system iID®3000 based on ISO 15693, ISO 14443, ISO18000-3 LEGIC®, I-CODE®, Tag-it®, my-D®, iID®M, EM chip types, iID®G, iID®K, TELID®200, TELID®300, Mifare ultralight
- **Chip Solutions:**

### RFID Air Interface:
- **Operating Distance:** 13.56MHz RFID 0 ... 50mm
- **Reader Antenna:** K3 or P07 standard type don't support anticollision depending on transponder type and metal environment
- **HOST Interface:** Bluetooth class 2 (HID / SPP) and USB 2.0
- **Communication Modes:** BT 2.0+EDR compliant, HID, SPP, connecting in server or client mode, distance up to 20m
- **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) iID® interface configuration tool (x86/x64) see actual API documentation iID® driver engine
- **Device Configuration:**
- **Supported Commands:**
  - SLEEP, ACTIVE, SCAN
  - HOST or button controlled
  - HOST typt.5µA, ACTIVE typ.40mA, SCAN max. 200mA

### Device Basics:
- **Operation Modes:**
  - iID® reader operation system
  - downloadable
  - HOST button controlled

### Power Consumption:
- **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)
- **Charging:** up to 400 Bluetooth connections (on time: 1min)
- **Battery Life Time:** micro USB connector, recharge time approx. 4h 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
- **Emissions:** examime for EN 300330
- **Protection Class:** IP 54
- **Storage Temperature:** -25°C ... +65°C
- **Battery Loading Temperature:** 0 ... +45°C

### Type:
- **72.62.720**
  - ID®-3000 / HID
  - ISO15693,14443
  - P07
  - up to 50 mm
  - on request, for miniature tags

- **72.62.525**
  - LEGIC / HID
  - ISO15693,14443
  - P07
  - up to 30

- **72.72.720**
  - iID®-3000 / HID
  - ISO15693 optimized
  - K3 (HF stumpy antenna)
  - up to 3

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