UNI10 RFID unit

HF-RFID read/write device as OEM product
- small and flexible RFID module
- available as OEM product
- integrated into customer products
- based on ISO 15693
- fast customization and modification possible

The RFID read/write module UNI13 belongs to microsensys proved OEM products for different HF transponder systems. The device supports a wide field of different HF standards and different HOST interfaces.

microsensys offers an attractive component platform for RFID solutions – from special transponder to optimized software tools.

RFID Technology:
- system iID®2000
- based on ISO 15693
- I-CODE®, Tag-it®, my-D®, iID®M, EM chip types, iID®G
- on request: mic3®, TELID®, my-D®-S, Mifare®, LEGIC® prime

Basics:
- closed coupling read/write unit with integrated antenna
- standard command set of iID® driver engine, supports multiple contactless protocols, interface with downloadable iID® reader operation system for upgrades

RFID Air Interface:
- 13.56MHz RFID
- standard type don’t support anticollision depending on transponder type and metal environment
- Operating Distance: 0 ... 15mm
- Reader Antenna: P10 or K3
- Field Radiation: top side or small side direction
- Electronic Module: Q10

HOST Interface:
- RS232TTL or I²C
- Power Supply: +5V, stabilized, low noise

Communication Modes:
- DOC optional: SPC mode
- iID® driver engine (Windows (x86/x64), Windows Mobile 6.0, CE.net 6.0)
- iID® Java API (Android OS)
- see actual API documentation iID® driver engine

Software Interface:
- iID® interface configuration tool (x86)

Device Configuration:
- Supported Commands:
- IDLE, ACTIVE
- HOST controlled
- IDLE 20mA, ACTIVE typ.80mA

Device Basics:
- iID® reader operation system
- Power Consumption: downloadable
- Device Size: 50 x 20 x 5.5 mm³
- Casing Material: plastic, epoxy moulded

Operation Temperature:
- -5°C ... +65°C
- Storage Temperature:
- -25°C ... +85°C

Emissions:
- examine for EN 300330
- Protection Class: IP 64 (without connector)

Type:
- 28.78.250*
- 28.38.250
- 28.36.250*

OP System / Options:
- iID-2000
- ISO15693
- K3 small side
- up to 3
- I²C

Standards:
- ISO15693
- P10 top side
- up to 15
- PC

Antenna:
- P10 top side
- up to 15
- RS232TTL

(*) in development or only on inquiry

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