



Advanced reader technologies

i-scan[®] HF / UHF

**RFID HF / UHF
Handheld Reader
ID ISC.PRHD102**



Combined HF / UHF-Multi-tag Handheld Reader with integrated HF- and UHF antenna.

Features:

- Bluetooth- or USB interface
- Anti-collision function
- Low Power Mode for limitation of reading range within the UHF frequency range
- Battery-powered or powered via USB interface
- 2 operation modes: Scan-Mode / FEIG ISO Host-Mode

Short description and technical information

Short description

The combined HF- / UHF- Handheld Reader ID ISC.PRHD102 offers both, an integrated HF antenna and an integrated UHF antenna.

The maximum reading distance for HF tags is 10 cm, the reading range for UHF tags varies between 5 cm and 60 cm, due to the opportunity of setting the readers power input.

The reader can be used optimally at single work stations as well as for example for receiving inspection of goods or inventory in warehouses.

The reader is available as ETSI- or FCC variant (UHF).



Technical data

Housing	Plastic ABS
Dimensions (LxWxH)	230 x 100 x 80 mm 9.06 x 3.94 x 3.15 inch
Weight	
- Bluetooth variant	270 g (with accumulator)
- USB variant	170 g (without cable)
Protection class	IP 30
Power supply	
- Bluetooth variant	4 Mignon cells 1,2-1,5 V AA*
- USB variant	USB - High Powered Interface
Power consumption	max. 500 mA
Operating frequencies	
- HF	13,56 MHz
- UHF	860 - 960 MHz
Transmitting power/Reading distance	
- HF	200 mW / 10 cm
- UHF	Input power adjustable for reading range from 5 cm to 60cm
Interfaces	
- Bluetooth variant	Bluetooth (serial port profile)
- USB variant	USB (HID, 12 Mbit); 2,5 m cable
Supported transponders	
- HF	ISO 15693
- UHF	EPC Gen2, ISO 18000-6-C**
Antennas	integrated
Indicators	
- optical	1 LED (red / green / blue)
- acoustic	1 buzzer
Protocol modes	FEIG ISO Host/FEIG Scan Mode
Temperature range	
- Operation	0°C up to 50°C
- Storage	-20°C up to 70°C

*For optimal reader operation, only accumulators have to be used, but no non-rechargeable batteries

** Activation-code with costs necessary

Standard conformity

RF approval	
- HF	EN 300 330
- UHF	EN 302 208
EMC	EN 301 489-3
Safety	
- Low voltage	EN 60950
- Human Exposure	EN 50364

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