

ID RED.PR50-U RFID/NFC - RFID Passive HF



RED.PR50-U RFID-NFC

RedWave Multi-ISO HF USB proximity Controller (read/write) (ISO15693, ISO14443-A/B & NFC) in case with internal antenna.

Models:

ID RED.PR50-USB. (P.N. 9916-000-01)
ID RED.PR50-A RS232. (P.N. 9916-005-01)

Powered

OBID
OBID i-scan®

by

FEIG
ELECTRONIC

Features

- Operating frequency: 13,56 MHz.
- Standard HF: read/write ISO15693, ISO14443-A/B & NFC.
- Host Interfaces: USB 2.0.
- RF power 250 mW +/- 2 dB.
- Power consumption: max. 1,5 Watt.
- Dimensions: 93x62x27 mm.
- Reader modes: FEIG ISO Host Mode, Scan Mode.
- Firmware upgradable (Flash-EEPROM).

Benefits

- Small size & Low cost Multi ISO HF proximity Controller.
- Read Range up to 12 cm (depending on tag & antenna gain).
- Internal antenna for a wide range of applications.
- Power supply: via USB (5 Volt); RS232 interface model also available.
- Same protocol of all FEIG's controllers (HF & UHF)

Applications

- DeskTop and Mobile applications.
- Access Control, Autentication & Security, ePayment, eTicketing, Public Transport, Loyalty & Fidelity, POS Terminals and booking systems.
- Industrial short range applications.

Technical Data

RedWave Proximity Controller HF - RED.PR50-U

Housing	ABS-94HB
Colour	Gray with Dark Gray Rubber Sides
Dimensions (LxWxH)	93 x 62 x 27 mm
Protection class	IP 30
Weight	About 120 g (without antennas)
Power supply	5 VDC (+/- 5 %) via USB-interface
Operating frequency	13,56 MHz.
Output RF Power	250 mW +/- 2 dB
Host Communication	USB: 2.0 Full Speed 12 Mb/s
Variant	ID RED.PR50-A: RS232 V24 Interface, external power supply 5 VDC via RS232 cable
Power consumption	max. 1,5 Watt.
Air-interface Protocols	HF ISO 18000-3 - read/write ISO15693, ISO14443-A/B & NFC (ISO 18092) memory and processor cards.
Protocol Features	Anti-collision
Read Range & Antenna	Up to 12 cm. with integrated antenna (transponder ISO 15693). (read range and rate are subject to specific environmental conditions)
Temperature range	Operation: -20° C up to 65° C - Storage: -20° C up to 80° C
Memory	EEPROM 1 kB (10.000 writing cycles) – Flash 64 kB (Software-Update over interface possible)
Software	FEIG Reader Protocol
Reader modes	ISO Host Mode, Scan Mode
Radio license	Europe EN 300 330 USA FCC 47 CFR Part 15
Compliance	EMC EN 301 489 Safety: Low Voltage EN 60950 - Human Exposure EN 50364



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