

ID RED.MR74-U NFC/RFID - RFID Passive HF



RED.MR74-U MultiISO HF USB

RedWave Multi-ISO HF 13,56MHz desktop Short Range Controller USB with 1 integrated antenna & 1 external multiplexed antenna

Read/Write: ISO15693, ISO14443-A/B & NFC

Models:

ID RED.MR74-USB (P.N. 9916-074-01)

Powered by

FEIG
ELECTRONIC

Features

- Operating frequency: 13,56 MHz.
- Standard HF read/write: ISO 14443-A/B, ISO 15693, ISO 18000-3M3. NFC devices according to ISO 18092 & Sony Felica. Calypso.
- Host Interfaces: mini-USB.
- RF power 450 mW +/- 2 dB.
- Antennas: 1 x integrated (for Item Level Tag) & 1 x SMA-female plug for external HF antenna.
- Power consumption: max. 1,5 Watt.
- Dimensions: 93x62x27 mm.
- Reader modes: FEIG ISO Host Mode, Scan Mode.
- Firmware upgradable (Flash-EEPROM).

Benefits

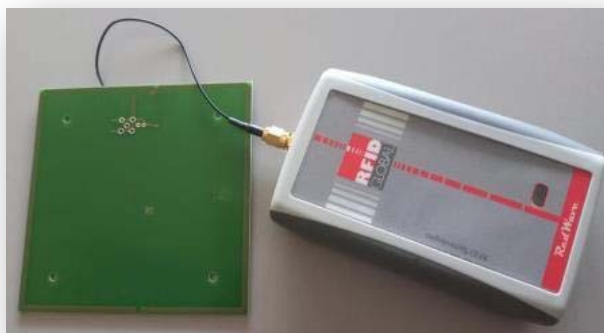
- Small size & Low cost Multi ISO HF proximity Controller.
- Read Range up to 25 cm (depending on tag & antenna).
- 2 simultaneous antenna connections (multiplexed) for a wide range of applications.
- Power supply: via USB (5 Volt).
- Same protocol of all FEIG's controllers (HF & UHF)
- DeskTop applications.
- Access Control, Autentication & Security, ePayment, eTicketing, Public Transport, Loyalty & Fidelity, POS Terminals and booking systems.
- Short range applications.

Applications

Technical Data

RedWave Proximity Controller HF - RED.MR74

Housing	ABS-94HB
Colour	Gray with Dark Gray Rubber Sides. Mini USB cable included
Dimensions (LxWxH)	110 x 70 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	450 mW +/- 2 dB
Host Communication	mini-USB: 2.0 High Speed
Power consumption	max. 1,5 Watt.
RFID Air-interface Protocols	ISO 14443-A/-B (106...848 kBit/s), ISO 15693, ISO 18000-3M3. NFC devices according to ISO 18092 & Sony Felica. Calypso.
Protocol Features	Anti-collision
Antennas - Multiplexed	1 x integrated Near Field Antenna (for Item Level Tag) & 1 x SMA-female plug for external HF antenna (not included).
Read Range & Antenna	Up to 12 cm. with integrated antenna (ISO 15693). Up to 25 cm. with external antenna not included (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. Firmware upgradable.
Reader modes	ISO Host Mode, Scan Mode, Keyboard Emulation.
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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About us

RFID Global by Softwork is Value Added Distributor (VAD) of RFID, NFC & BLE Technologies, targeting resellers named Channel Partner. The production of its own customized devices thanks to the R&D Dept., the experience gained in such field by a team of project managers and by a network of certified resellers guarantee RFID leadership all over Italy and in the different application areas.