

RED.PR70 & MR70 - RFID Passive HF MultiISO



RedWave 70 series MultiISO HF

**RedWave Multi-ISO HF 13,56MHz desktop
Short Range Controller USB or Ethernet.
1 integrated antenna or 1 external antenna**

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

Models:

RED.PR70-U (P.N. 9916-000-70)

RED.PR70-E (P.N. 9916-002-70)

RED.MR70-U (P.N. 9916-010-70)

RED.MR70-E (P.N. 9916-012-70)

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.
- Host Interfaces: USB-C (HID or virtual Com) or Ethernet (depends on models).
- RF power 450 mW.
- Antennas: integrated (PR70 models) or SMA-female plug for external HF antenna (MR70 models).
- Power consumption: max. 1,5 Watt.
- Dimensions: 110 x 70 x 27 mm.
- Reader modes: ISO Host Mode, Scan Mode (on request), Keyboard Emulation, Lan notification TCP/IP (depends on models).
- Firmware upgradable (Flash-EEPROM).

Benefits

- Small size & Low cost Multi ISO HF proximity Controller.
- Read Range up to 25 cm (depending on tag & antenna).
- 4 models for a wide range of applications.
- Power supply: via USB-C (5 Volt).
- Same protocol of all FEIG's controllers (HF & UHF)

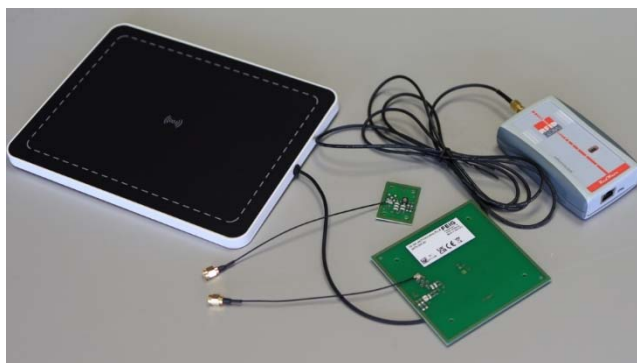
Applications

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

Technical Data

RedWave 70 family desktop reader RFID HF

Model	RED.PR70-U	RED.PR70-E	RED.MR70-U	RED.MR70-E
Housing - Colour	ABS-94HB - Gray with Dark Gray Rubber Sides. Protection class: IP 30			
Dimensions (LxWxH)	110 x 70 x 27 mm. Weight: about 120 g (without antennas)			
Power supply	5 VDC (+/- 5 %) via USB Type C plug			
Frequency & Power	13,56 MHz. - Output RF Power: 450 mW.			
Host Communication	USB Type C	Ethernet RJ45	USB Type C	Ethernet RJ45
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. Anti-collision			
Supported transponders	ISO / IEC 1444-3, mifare classic, mifare UltraLight, mifare DESFire, mifare PLUS, mifare UltraLight C, NTAG, my-d move, Jewel™, FeliCa, Tag-It HFI, Fujitsu MB89R11x, STM24LRx, STMLR12k, STM25, I-Code SLI/SLIX, I-Code ILT, I-Code DNA, NFC Devices in Card Emulation Mode (Tag Type 1...5)			
Antennas & Read Range	Integrated Near Field Antenna (for Item Level Tag) Up to 12 cm. (ISO 15693) (read range and rate are subject to specific environmental conditions)		SMA-female plug for external HF antenna (not included). Up to 25 cm. with external antenna not included (ISO 15693)	
Temperature range	Operation: -20° C up to 65° C - Storage: -20° C up to 80° C			
SDK	Windows (C++, .NET, Java), Linux (C++, Java), Raspberry Pi			
Reader modes	ISO Host mode. Scan mode. Keyboard Emulation	ISO Host Mode Lan notification mode	ISO Host mode. Scan mode. Keyboard Emulation	ISO Host Mode Lan notification mode
Software	FEIG Reader Protocol. Firmware upgradable.			
Radio license	Europe: EN 300 330 – USA: FCC 47 CFR Part 15 – Canada: IC RSS-210			
Compliance	EMC EN 301 489 - Safety: Low Voltage EN 60950 - Human Exposure EN 50364			



Authorized Dealer

About us

RFID Global by Softwarework 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.