RedWave

RED.MRU80-M2-E

RFID Passive UHF - RedWave by RFID Global

RedWave Short Range Lan Ethernet Controller UHF EPC in case with 2 external multiplexed antenna.

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by

Features

- Operating frequency: 860 to 960 MHz (software adjust).
- Standard: UHF - EPC Class 1 Gen 2 - ISO 18000-6C.
- Antennas: 2 x SMA-female plug for external UHF antenna. Internal UHF Multiplexer.
- Host Interfaces: 10/100 Mbps Lan Ethernet.
- RF power up to 170 mW.
- Power consumption: max. 2 W.
- Dimensions: 110x70x27 mm.
- Reader modes: FEIG ISO Host Mode, Scan Mode.
- Anticollision for small or single tag population
- Firmware upgradable (Flash-EEPROM).

Benefits

- Small size & Low cost Short Range UHF Controller.
- Read Range: up to 200 cm (depending on tag & antenna gain).
- 2 multiplexed antenna for a wide range of applications.
- Same protocol of all FEIG's controllers (HF & UHF)

Applications

- Industrial Lan short range applications.
- Short Range Lan Gate.
- Item level tagging.
- Access control.
- Terminals and booking systems.

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Housing	ABS-94HB
Colour	Gray with Dark Gray Rubber Sides
Dimensions (LxWxH)	110 x 70 x 27mm.
Protection class	IP 30
Weight	About 120 g (without external antenna)
Power supply	5 VDC (+/- 5 %) external power supply
Operating frequency	860 to 960 MHz (software adjustable).
Output Power	From 10 to 170 mW (software adjustable).
Host Communication	10/100 Mbps Lan Ethernet - auto MDI/MDIX – RJ45 plug.
Network Protocols	ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, SNMP, V1, SMTP, TFTP, Auto IP, Telnet, BOOTP
Power consumption	max. 2 Watt
Air-interface Protocols	UHF - EPC Class 1 Gen 2 - ISO 18000-6C.
Protocol Features	Anti-collision (small tag populations) - Dense Reader Mode
Read Performance	25 tags per second
Read Range	up to 200 cm with Far Field external UHF Antennas (not included) - Read range and rate are subject to specific environmental conditions.
Antennas - Multiplexed	2 x External UHF Antennas (not included) SMA-female plugs.
Temperature range	Operation: -10° C up to 55° C - Storage: -20° C up to 85° C
Software	FEIG Reader Protocol
Reader modes	ISO Host Mode, Scan Mode.
Radio license	Europe EN 302 208 USA FCC 47 CFR Part 15 Canada IC RSS-GEN, RSS-210
Compliance	EMC EN 301 489 Safety EN 60950

Authorized Dealer

About us

RFID Global by Softwork is Value Added Distributor (VAD) of RFID Technologies (physical layer), 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 Softwork RFID leadership all over Italy and in the different application areas.