

ID RED.A.MRU80

Industrial RFID UHF Mid Range Antenna Reader

RedWave RFID UHF Mid Range Antenna with integrated Reader & connector for additional external multiplexed antenna. Industrial Series.



3 Models:

- ID RED.A.MRU80-A - RS232 (P.N. 9916-820-00)
- ID RED.A.MRU80-U - USB (P.N. 9916-820-00)
- ID RED.A.MRU80-E - Ethernet (P.N. 9916-820-00)

Powered



Features

- Operating frequency: 865 – 868 MHz (EU Region)
- Standard: UHF - EPC Class 1 Gen 2 - ISO 18000-6C.
- Circularly polarized UHF Antenna (gain 8.5 dBc)
- Internal antenna multiplexer & plug for 1 additional external multiplexed antenna.
- Host Interfaces: Serial RS232 or USB or Lan Ethernet 10/100 Mbps.
- Industrial Class protection IP65. Radome Plastic (UV rating).
- Mounting kit Aluminum included.
- Power consumption: max. 2 W.
- Dimensions (L x W x D): 270 x 270 x 75 mm.
- Reader modes: Host Mode, Scan Mode, Keyboard Emulation (USB)
- Anti-collision for small or single tag population
- Firmware upgradable (Flash-EEPROM).

Benefits

- Antenna & Reader integrated & Low cost Mid Range UHF Controller.
- Read Range: up to 300 cm (depending on tag & environment).
- Multiplexed antenna for a wide range of applications (gate).
- Same protocol of all FEIG's controllers (HF & UHF)

Applications

- Industrial and process automation for mid range applications.
- Mid Range UHF Gate easy and quick installation.
- Item level tagging.
- Race Sport Timing, Vehicle & People access control.
- Waste Management.
- Asset Tracking.

Technical Data

RedWave Industrial RFID UHF Antenna Reader - RED.A.MRU80

	ID RED.A.MRU80-A	ID RED.A.MRU80-U	ID RED.A.MRU80-E
Operating frequency & Standard	860 MHz to 928 MHz (software adjustable). UHF EPC Class 1 Gen 2 - ISO 18000-6C.		
RF Output Power	Up to 400 mW (software adjustable).		
RFID Features	Anti-collision. Dense Reader Mode Read Performance: 25 tags per second Read Range: Up to 300 cm. (Read range and rate are subject to specific environmental conditions)		
Other Features	Integrated antenna multiplexer: 1 integrated UHF antenna 1 additional external UHF antenna (not included)		
Integrated Antenna Features	Polarization Right Hand Circularly Polarized (RHCP). Gain 8.5 dBC. 3 dB beam width 65° x 65° Front-to-back ratio: 17 dB. VSWR 1.1:1 Nominal impedance 50 ohm		
Reader modes	ISO Host Mode, Scan Mode	ISO Host Mode, Scan Mode, Keyboard Emulation.	ISO Host Mode.
Software	OBID FEIG Reader Protocol		
Host Communication	Serial RS232 DB9	USB 2.0	Ethernet RJ45 (10/100) auto MDI/MDIX, RJ45.
Power supply	5 VDC external power supply via RS232	Via USB (5 VDC)	5 VDC external power supply.
External connector (industrial IP 65)	1 X Serial RS232 & Power supply 1 X Additional external UHF antenna	1 X USB interface 1 X Additional external UHF antenna	1 X RJ45 Ethernet interface 1 x Power supply 1 X Additional external UHF antenna.
Mechanical specifications	Housing: Radome Plastic (UV rating). Mounting kit Aluminum (for pole). Colour White Dimensions (HxWxD): 270 x 270 x 75 mm. Weight: about 1200 gr.		
Environmental specifications	Protection class: Industrial IP 65 Operating temperature: -30 - +65 °C. Wind speed 160 kmh. Wind surface 0.066 m2.		
Radio license	Europe EN 302 208 USA FCC 47 CFR Part 15		
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.