

RED.PRU70 & MRU70 - RFID Passive UHF



RedWave 70 series UHF

RedWave UHF 865-868 MHz desktop
Controller USB or Ethernet.
1 integrated antenna or 1 external antenna
UHF EPC Class 1 Gen 2 - ISO 18000-6

Models:

RED.PRU70-U (P.N. 9916-800-70)

RED.PRU70-E (P.N. 9916-802-70)

RED.MRU70-U (P.N. 9916-810-70)

RED.MRU70-E (P.N. 9916-812-70)

Features

- Operating frequency: 865-868 MHz.
- Standard UHF read/write: UHF EPC Class 1 Gen 2 - ISO 18000-6.
- Host Interfaces: USB-C (HID or virtual Com) or Ethernet (depends on models).
- RF power from 5 to 30 dBm (software adjust step di 1dB).
- Antennas: near field integrated (PRU70 models) or SMA-female plug for external UHF antenna (MRU70 models).
- Power consumption: max. 2 Watt.
- Reading Rate 50 tags/sec.
- Dimensions: 110 x 70 x 27 mm.
- Reader modes: ISO Host Mode, Scan Mode, Lan TCP/IP (depends on models).

Benefits

- Small size & Low cost UHF proximity & mid range controller.
- Read Range up to 5 mtr. (depending on models, tag & antenna gain).
- 4 models for a wide range of applications.
- Power supply: via USB-C (5 Volt).
- SDK Windows .Net

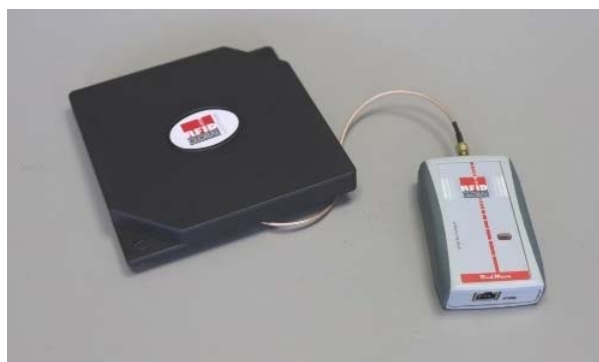
Applications

- Item level tagging.
- DeskTop and Mobile applications.
- Access control.
- Terminals and booking systems.
- Industrial short range applications.

Technical Data

RedWave 70 family desktop reader RFID UHF

Model	RED.PRU70-U	RED.PRU70-E	RED.MRU70-U	RED.MRU70-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	865-868 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 Protocols	UHF EPC Class 1 Gen 2 - ISO 18000-6			
Protocol Features	Anti-collision (small tag populations)			
Antennas & Read Range	Integrated Near Field Antenna (for Item Level Tag) – Range up to 15 cm. (read range and rate are subject to specific environmental conditions)		SMA-female plug for external UHF antenna (not included). Range up to 5 mtr. with external antenna not included.	
Temperature range	Operation: -20° C up to 65° C - Storage: -20° C up to 80° C			
SDK	Windows (.NET, C++, Java), Linux (C++, Java). Low-level commands available			
Reader modes	ISO Host mode. Scan mode.	ISO Host Mode Lan TCP/IP	ISO Host mode. Scan mode.	ISO Host Mode Lan TCP/IP
Radio license	Europe EN 302 208. USA FCC 47 CFR Part 15. Canada IC RSS-GEN, RSS-210.			
Compliance	EMC EN 301 489 - Safety: Low Voltage EN 60950 Human Exposure EN 50364			



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