WAVETREND®
RFID | ACTIVATING YOUR BUSINESS

ACTIVE RFID

RX1310 Network Reader

- Real time reading of Wavetrend active RFID tags Provides Wi-Fi, LAN or LAN POE Connectivity
- Store and forward functionality
- Compatible with latest Security Protocols
- Supports wide variety of antennas to achieve custom coverage

The RX1310 reader provides all your networking needs in one, it can be configured as a Wi-Fi reader, an externally powered LAN reader or a LAN POE reader. The RX1310 reader detects and decodes RFID (radio frequency identification) signals from Wavetrend's range of active RFID tags.

Operational Settings

The RX1310 can be operated in Autopoll or Store Poll modes.

In Autopoll the reader will return the tag data of any tags in view continuously sending IP packets when a tag is read.

A unique feature of the RX1310 is its on-board real time clock. When in Store Mode each tag event is recorded, time stamped and logged in the reader's internal memory.

The RX1310 can hold the information for up to 1000 individual L series tags. This can be downloaded in a single IP packet upon request. This feature dramatically reduces IP traffic in high tag density deployments.

In the event that the user needs to be instantly made aware of any event, alarms such as tag arrival, tag leaving, tag in tamper, tag in motion etc, the RX1310 supports inbuilt business rules to override the Store Poll settings

Specifications

Environmental	
▪ Operating temperature	: -40°C to +85°C
▪ Storage temperature	: -20°C to +70°C
▪ Humidity	: 5% to 90% (non condensing)
Physical	
▪ Size	: 125mm X 80mm X 30mm
▪ Weight (unit)	: 200 grams
▪ Colour	: Aluminium Grey
▪ Material	: Aluminium
▪ Connections	: 2 pairs of relay contacts, C, NO , NC : 1 Mini USB type socket : 2.5mm Power socket
Radio Frequency	
▪ Receive Frequency	: 433.92 MHz
▪ Modulation	: ASK
▪ RF Input	: 50 Ohm BNC
▪ Wi-Fi	:SMA
Electrical	
▪ Supply Voltage	: 9V ~ 28Vdc
▪ Max current consumption	: 70 ma
▪ Average current consumption	: 60 ma

RX1310 Accessories
Antenna Ranges

AN100	¼ Whip up to 50m
AN200	⅛ Stub- up to 20m
AN360	Patch up to 150m
AN410	Outdoor Whip up to 150m

***Read ranges are affected by environmental conditions and site configurations and may not match those stated in this sheet. Read ranges will generally be greater outdoors than indoors. With specialist antennas, ranges in excess of 500m can be achieved.

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