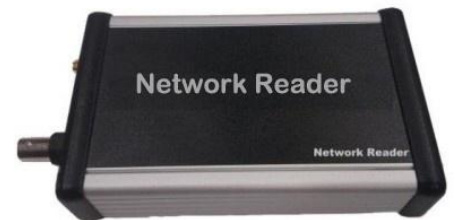


This active RFID network reader can be served as a Wi-Fi reader, an externally powered LAN reader or a LAN POE reader.

This active RFID network reader provides all networking needs in a compact device which can be configured to serve as a Wi-Fi reader, an externally powered LAN reader or a LAN PoE reader. The wireless reader detects and decodes RF signals from compatible Wavetrend RFID tags.

The network reader offers two operating modes: Auto poll or Store Poll modes. In Auto poll mode, the reader will return tag data of any tags in range and will send IP packets when a tag is read. It provides on-board real time clock; when in Store Mode each tag event is recorded, time stamped and logged in the reader's internal memory. It is able to hold the information for up to 1000 individual tags. This can be downloaded in a single IP packet upon request which dramatically reduces IP traffic in high tag density deployments.

This advanced RFID network reader supports built in business rules to override the Store Poll settings and allows users to set alarms such as tag arrival, tag departure, tag is being tampered with and tag is in motion.



Key Features

- ✓ Real time reading of compatible RFID tags
- ✓ Provides Wi-Fi, LAN or LAN PoE connectivity
- ✓ Store and forward functionality
- ✓ Compatible with latest security protocols
- ✓ Supports a wide variety of antennas

Technical Specifications

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

Typical read ranges of tags with various antennas

(Distances may vary depending on the ambient RF environment 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 500 m can be achieved.)

Antenna Type	Read Range
AN100	¼ Whip up to 50 m
AN200	½ Stub- up to 20 m
AN360	Patch up to 150 m
AN410	Outdoor Whip up to 150 m

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