

UHF 433 MHz Active RFID Network Reader/Receiver

Product ID 214015



GAO RFID's UHF 433 MHz Active RFID Network Reader/Receiver 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 Wave-trend 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. The 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.

APPLICATIONS

- Asset tracking
- Vehicle identification
- Personnel tracking

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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 °F to 185 °F (- 40 °C to 85 °C)
Storage Temperature	-4 °F to 158 °F (- 20 °C to 70 °C)
Humidity	5% to 90% (Non condensing)

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TECHNICAL SPECIFICATIONS

Physical	
Size	4.92 in × 3.14 in × 1.18 in (125 mm × 80 mm × 30 mm)
Weight (unit)	0.44 lbs (200 g)
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

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TECHNICAL SPECIFICATIONS

Typical Read Ranges of Tags with Various Antennas *

Antenna Type	Read Range
304001	¼ Whip up to 164.04 ft (50 m)
304002	⅛ Stub- up to 65.61 ft (20 m)
304024	Circular patch up to 492.12 ft (150 m)
304025	Outdoor Whip up to 492.12 ft (150 m)

*(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.)

ASK AN EXPERT!
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Within North America
Anywhere Else