GAO RFID Inc.
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Product Overview

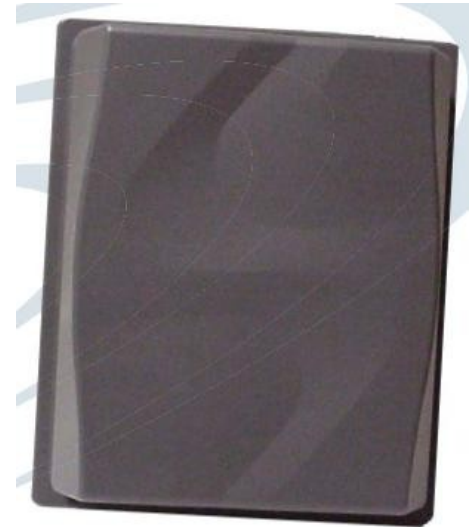**902MHz Long Range Gen 2 RFID Reader/Writer**

(236006)

This UHF long range RFID reader/writer is an economical solution for automatic vehicle identification and access control applications alike.

The ultra high frequency Gen 2 RFID reader/writer is designed for use as a single read point in a pedestal, pole, wall or ceiling mounted configuration. The UHF RFID reader is a good choice for use in integrated automatic vehicle identification (AVI) systems. It is an economical solution for automatic vehicle identification and access control applications alike. This reader/writer unit supports Wiegand, RS232, RS422, RS485, USB and 802.3af Ethernet communication interfaces for data transmission at a maximum baud rate of 115kbps.

This RFID reader/writer is supported by four independent discrete TTL capable inputs for vehicle detecting loops, light curtains or other detection schemes. It also has four discrete 5V outputs that are current limited and electronically configurable for either push pull or external pull up resistors. Ethernet capability allows network access through standard Ethernet connectivity and Power over Ethernet (PoE) functionality allows the unit to run so no additional electrical wiring is required.
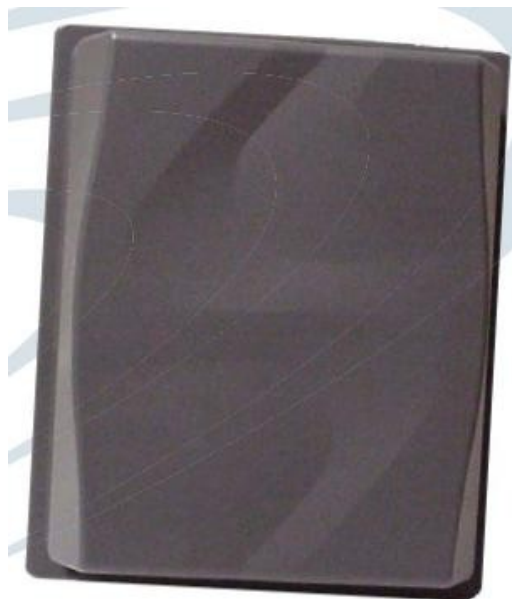
Features

- ✓ 1 to 3m tested read range
- ✓ Wiegand, RS232, RS422, RS485, USB 2.0 and 802.3af Power over Ethernet communication interfaces
- ✓ Up to 115kbps baud rate
- ✓ Four external inputs and four external outputs

- ✓ Can be mounted on pedestal. pole, wall or ceiling
- ✓ Supports stand alone operation
- ✓ Weather proof integrated antenna enclosure
- ✓ Compatible with Gen 2 tags
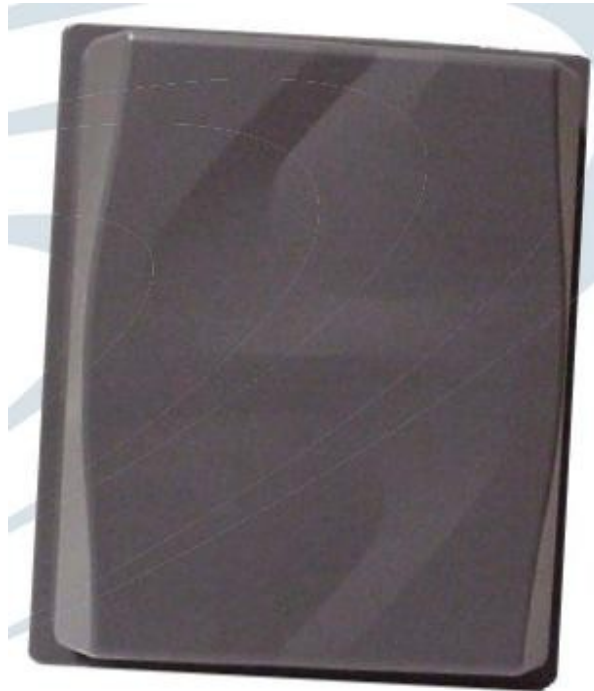
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Specifications

Frequency	902 to 928MHz
Antenna type	Circular polarized
Data format	Configurable 26 to 34bit, future support for high Wiegand configuration up to 154bit
Ethernet compatible	Yes
Translation table	Yes
Tag buffering	Yes
LED	Yes
Power	Power over Ethernet (48V DC, 600mA) or 85 to 264V AC, 600mA
Regulatory	FC part 15 industry Canada approval
Operating temperature	-25°C to 60°C
Storage temperature	-40°C to 114°C
Humidity	85% non-condensing
Dimensions	30.5cm × 25.4cm × 10.2cm
Weight	Approx. 5.4kg

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