

***This 433 MHz active standalone RFID reader operates in hardware auto-polling mode and software polling mode.***

This 433 MHz active standalone RFID reader detects and decodes RFID signals from active RFID tags. It operates in two data transmission modes: hardware auto-polling mode for the continuous feed of tag data to the system and software polling mode which tag data is requested from each other individually by intelligent edge devices or host applications.

Featuring a compact size and light weight, this reader is ideally suited as a standalone unit when connected over USB. It is capable of reading tags at ranges from 0.5 m to 500 m. It utilizes RS232 and USB interfaces for data transfer. In addition, used with a compatible antenna, this low power consumption reader allows for fluent operation under hard conditions.



**Key Features**

- ✓ Reader status indication by LED's at RJ45 connectors
- ✓ RS232 and USB interfaces
- ✓ Instant reporting of detected active RFID tags
- ✓ Low power consumption
- ✓ RoHS compliance
- ✓ Compact size, light weight

## Technical Specifications

|                          |  |
|--------------------------|--|
| Frequency                | 433.92 MHz   |
| Modulation               | ASK  |
| RF Input                 | 50 Ohm SMA Female  |
| Baud Rate                | 9600 to 115200 bps   |
| Interface                | USB, RS232   |
| Power Supply             | 6 to 12 Vdc via Power Socket                                       |
| Max. Current Consumption | 10 mA  |
| Size                     | 55 mm × 50 mm × 28 mm  |
| Weight                   | 80 g   |
| Color                    | Aluminium Grey   |
| Material                 | Aluminium  |
| Connections              | 1 RS232 DB9 socket<br>1 Mini USB type socket<br>2.5mm Power socket |
| Certifications           | FCC, CE, ETSI  |
| Operation Temperature    | -40 °C to 85 °C  |
| Storage Temperature      | -20 °C to 70 °C  |
| Humidity                 | 5% to 90% (non condensing)   |

### **GAO Group**

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