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The versatile fixed RFID reader is capable of controlling up to two antennas simultaneously and supporting all standard interfaces including Ethernet and GPRS. This multifunctional reader can read GAO137001, 137003, and 137004 Series of tags at a distance of up to 100m (300 ft) and support the ISO 18000-7 air protocol. The reader features a variety of digital and analog inputs and outputs so that it can both be controlled and control other equipment that may make up part of the solution.

Key Features

- ✓ Adjustable output power: Ability to adjust the read/write range of GAO 137001, 137003, 137004 Tags for a range up to 100meters (300 feet)
- ✓ 100 tags/s simultaneous rate: Provides reliable identification of fast-moving objects
- ✓ Driver for various operating systems: Allows for flexible, hardware-independent applications
- ✓ I-BUS (RS 422 or RS 485): Permits daisy-chaining of several RFID readers to a host interface
- ✓ Digitally adjustable transmit power
- ✓ Reads and writes at up to 100m
- ✓ Up to 2000 tags simultaneous identification





Specifications

Frequency	868MHz (EU), 915MHz (NA)
Certification	EN 300 220 (EU), FCC part 15 (US), Industry Canada
Number of antenna	Up to 2
Data rate up/down	115.2kbit/s
Antenna connection	SMA
Transmission safeguard	16bit CRC
Copy protection	Rolling code
Sensitivity (digitally adjustable)	85dBm/high sensitivity, 55dBm/normal sensitivity
Read rate identification	100tags/s
Read rate 128bit data	35tags/s
Reader buffer	Up to 400tags; up to 2000 tags (ID)
Host interface	RS422, WLAN, Ethernet, GPRS optional
Status display	5 LEDs (ANT1, ANT2, RUN, BUS, ERR)
Power source	24V DC/110 to 240V AC
Input power	< 1W
Standards/security	CE, EN 300 220
Case material	Plastic
Package rating	IP67 (rugged industrial housing)
Operating temperature	-30°C to 70°C
Storage temperature	-40°C to 80°C
Humidity	90% non-condensing
Dimensions	97mm × 67mm × 97mm/153mm × 67mm × 97mm
Weight	150g





GAO RFID Inc.

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Product Overview

UHF RFID Reader/Writer Series (227006)



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