



This rugged RFID reader/writer is well-suited for applications like access control, asset tracking, warehouse management and livestock tagging.

This 13.56MHz rugged handheld RFID reader/writer is equipped with a monochromatic LCD screen, twenty-seven water-resistant keys and a RS232 communication interface. It complies with both ISO15693 and ISO14443A/B protocols and has a RAM capacity of 64Mbit and flash memory ranging from 16Mbit to 144Mbit. In addition, it is compliant with the IP54 standard and meets all endurance criteria in terms of resistance to water, shock and dust allowing it to perform well in most harsh environments.



Key Features

- ✓ Fast, reliable reading and writing: up to 190tags/s
- ✓ Vibration endurance mechanical shock
- ✓ Humidity-temperature cycle water/fluids ingress connector/harness pull-push voltage overstress electrostatic discharge
- ✓ Tag buffer: 200 tags
- ✓ 9-pin serial connector, supporting RS232 with asynchronous data rates up to 921.6kbps. DTR signal turns off reader completely to conserve power
- ✓ 2 General purpose inputs and one output, accessible via Molex connector
- ✓ Command-response protocol protected by length field and 16-bit CRC
- ✓ Complies with EPC global Gen 2 (ISO 186000-6C) with anti-collision, DRM and advanced anti-jamming
- ✓ Certification obtained, or in process for the following regions: North and



South America, EU, Korea and other

Asia-PAC countries

Technical Specifications

Frequency	13.56MHz
RAM Capability	64Mbit
Flash Memory	16Mbit to144Mbit
Standard deployment	ISO15693 or ISO11143A/B
Power supply	Re-chargeable Lithium battery
Power consumption	Low
Data interface	RS232
Key interface	27 water-proof keys
Environmental sealing	IP54 Standard. Anti-shock / Dust-proof
Operating temperature	-5°C to 50°C
Boundary dimension	185mm × 70mm × 35mm





GAO RFID Inc.

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Product Overview

13.56MHz RFID HF Rugged Handheld Reader/Writer(243013)



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