



This active handheld reader is an ideal solution for localization and tracking of merchandise, inventory, or other assets.

This active handheld reader is a light weight and palm-sized handheld reader. It can manually scan and program individual tags, which means it enables users to selectively identify a particular tag and change its information. A barcode scanner is an option for users transitioning from old barcode systems to newer RFID systems. Users can scan a barcode label and write the information to the RFID tag. RS232 and USB Host / Client ports can be used for data communication with a host computer. The RFID reader uses dual-frequency method allows for fast and reliable communication. All communication packets use parity bits and cyclic redundancy checks to ensure data integrity.



Key Features

- ✓ Light weight handheld reader/writer
- ✓ Selective tag scanning and programming
- ✓ Ability to optionally read barcode labels and writing information to RFID tags
- ✓ Dual frequency for faster and more reliable communications
- ✓ Uses parity bits and cyclic redundancy checks for data integrity



Technical Specifications

Transmit Frequency	433 MHz
Receive Frequency	916.5 MHz, 927 MHz, or 868 MHz
CPU	XScale PXA255, 400 MHz
Memory	128 MB RAM (SDRAM), 64 MB RAM (Flash ROM)
Transmit Range	1.5 m (5 ft)/30 m (100 ft) using optional external antennas
Receive Range	3 m (10 ft)/15 m (50 ft) using optional external antennas
Multi-Tag Read Capability	Yes
Communications Interface	RS232, USB Client/Host, WLAN, GPRS, Bluetooth
Operating System	Windows CE .NET
Power Requirement	7.4 V 2,000 mAh, Lithium-ion gas guage battery
External Power	DC 9.5 V adapter to AC power source (AC 100 V to 240 V, 50 Hz to 60 Hz)
Power Consumption	> 10 hours
Display	3.8 in color TFT with touch panel (240 x 320 pixels)
Key	25 hard keys
Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Humidity	5 % to 95 % RH non-condensing
Drop Test	1.2 m (3.9 ft) to concrete floor
Dimensions	225 mm × 75 mm × 34 mm (8.86 in × 2.95 in × 1.34 in)
Housing	IP54 (water/dust resistance)
Weight	500 g (17.6 oz) with battery pack



GAO RFID Inc.

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Product Overview

433 MHz Active Handheld Reader (214031)



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