

# Discovery Mobile UHF 3.0

The new RFID wearable for waste collection management



## APPLICATION

Simple to use, it is ideal for **waste collection applications**.

- **RFID READER**
- **HIGH SENSITIVITY**
- **IP67 PROTECTION**
- **CLOUDS INTEGRATABLE**
- **LASTING BATTERY LIFE**

## PRODUCT OVERVIEW

With **IP67** protection rating, **Discovery Mobile** is an ideal RFID reader for outdoor applications in extreme environments.

**Door-to-door waste collection** is especially suitable for this RFID wristband, which reads the RFID tag installed on the bin, **records** the deliveries per user and **transfers the information to the cloud**.

**Easily integrated with third-party clouds**, the efficiency of door-to-door collection is enhanced by the **high sensitivity** of the RFID antenna, which enables reading and writing of passive UHF tags at a distance of **1 meter**, resulting in improved reading performance.

Furthermore, the Discovery Mobile has a dimension of 98 x 67 x 26 mm for greater wearability. The battery can last for more than **12 hours of continuous use and is self-replaceable**.

**Up to 1500 tags** can be stored.

FEATURES:

- + **DEFAULT AUTO SCANNING**
- + **STRONG and ERGONOMIC POLYCARBONATE CASE**
- + **SILICON KEYPAD FOR ADDED STRENGTH**
- + **HYPOALLERGENIC WRISTBAND**
- + **DIFFERENT COLORS LEDs TO PROVIDE FEEDBACKS**

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## SPECIFICATIONS

Operating Frequency EU	865.7- 867.5MHz	IP grade	67
Operating Frequency US	902.75- 927.25MHz	Dimensions	98 x 67 x 26 mm
Standard protocol	ISO 18000 - 6 A/B/C, EPC Class 1 Gen 2	Weight	156 g
Connection	GSM/GPRS	External case	Polycarbonate
RF Power	100mW (20dBm) [0dBm ÷ -19dBm [Software-configurable attenuation]]	Led	Abs
Internal memory	Up to 1500 tag storable	Keypad	Silicone with 5 buttons (IP67)
Antenna type	Integrated circular polarized	Power supply	Wireless charging according to standards
Sensibility of antenna	-90dBm	Battery	Interchangeable by the customer; 2000 mAh (over 12h when in continuous reading mode, up to 1500 readings)
Reading distance	Up to 1 m	Operating temperature	-20° C ~ +55° C

CE certification in accordance with ETSI EN 302 208.