

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

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|------------------------|-------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------|
| Operating Frequency EU | 865.7- 867.5MHz | IP grade | 67 |
| Operating Frequency US | 902.75- 927.25MHz | Dimensions | 95 x 60 x 20 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.