This 433 MHz active RFID tag is equipped with an external spring antenna and offers reliable RF signal and communication distance even in unfriendly environments.

This mini active RFID tag features a compact size, long read distance, low power consumption, high anti-interference, shock resistance, and is dust and water proof. It is equipped with an external spring antenna and offers reliable RF signal and communication distance even in RF unfriendly environments. It provides a long read range of up to 150 m. This active long range RFID tag is a perfect solution for personnel identification and location, asset tracking, process monitoring and vehicle management.

Key Features

- External spring antenna enables ultra long read distance
- Expandable memory
- Anti-tamper and anti-collision
- Low power consumption and long lifespan
- RSSI field detection function
- Low power warning

Applications

- Personnel identification and location
- Asset tracking
- Vehicle management
- Harbor management
- Logistics
## Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Frequency</td>
<td>433 MHz</td>
</tr>
<tr>
<td>Read Distance</td>
<td>Maximum 150 m in open air</td>
</tr>
<tr>
<td>Memory Capacity</td>
<td>Standard 128 byte, Expandable</td>
</tr>
<tr>
<td>Battery Lifespan</td>
<td>&gt;2.5 years (one RF transmission per second), low power warning</td>
</tr>
<tr>
<td>Power Down Retention Period</td>
<td>More than 10 years</td>
</tr>
<tr>
<td>ID Number</td>
<td>32 bit</td>
</tr>
<tr>
<td>Modulation</td>
<td>2-FSK</td>
</tr>
<tr>
<td>Communication Baud Rate</td>
<td>250 kbps</td>
</tr>
<tr>
<td>Package</td>
<td>ABS</td>
</tr>
<tr>
<td>Dimension</td>
<td>40 mm × 21.8 mm × 11.5 mm (L×W×H)</td>
</tr>
<tr>
<td>Operation Temperature</td>
<td>-20 °C to 60 °C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 °C to 80 °C</td>
</tr>
</tbody>
</table>