The RFID pig ear tag is well suited for tracking of pigs and the monitoring of each animal’s feeding, location, vaccination and the health history.

This passive RFID tag has been specially designed for pig livestock tracking and operates in the 860 to 960MHz Gen 2 Class 1 frequency range. The pig ear tag is well suited for tracking of pigs and the monitoring of each animal's feeding, location, vaccination and health history, etc. Because of its EPC compliance, the tag addresses applications that demand high anti-collision rates.

This RFID pig ear tag shows robust performance over the entire UHF bandwidth, it operates reliably in dense reader environments, and provides optimum read ranges. This animal tag also offers a unique custom command set, which makes it easier to communicate with readers. The pig ear tag contains an extended 96–bit EPC number, a 64-bit identifier, and 224 bits of user programmable memory.

Applications

✓ Tracking pigs for foods, locations, vaccinations and health histories.

Features

✓ EPC C1 Gen 2 (ISO/IEC 18000-6C) compliant
✓ Operating frequencies: 860MHz to 960MHz
✓ Fast read rates
✓ Water and dust proof
✓ High anti-collision tolerance
✓ Multiple identification
## Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>49mm diameter</td>
</tr>
<tr>
<td>Case Material</td>
<td>IPU</td>
</tr>
<tr>
<td>Operation Temperature</td>
<td>-25°C to 70°C (-13°F to 158°F)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40°C to 80°C (-40°F to 176°F)</td>
</tr>
<tr>
<td>Operation Frequency</td>
<td>860MHz to 960MHz</td>
</tr>
<tr>
<td>RF Air Protocol</td>
<td>ISO 18000-6C</td>
</tr>
<tr>
<td>Functionality</td>
<td>Reader/writer</td>
</tr>
<tr>
<td>Read Distance</td>
<td>Up to 2m/6ft (reader dependent)</td>
</tr>
<tr>
<td>Data Retention</td>
<td>Up to 10 years (&lt; 55°C/131°F)</td>
</tr>
<tr>
<td>Fast Data Rate</td>
<td><strong>Forward link</strong>: 40kbits/s to 640kbits/s</td>
</tr>
<tr>
<td></td>
<td><strong>Return link</strong>: 64kbits/s to 640kbits/s</td>
</tr>
</tbody>
</table>

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## GAO Group

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