

# 8.2MHz Anti-Theft RF Antenna System for Retail Security

This 8.2MHz RF antenna system is designed for retail environments to prevent theft. It detects RF tags attached to merchandise, triggering an alarm when an active tag passes through the antenna field.



## ADDITIONAL IMAGES



## Overview

### High-Sensitivity Retail Security Solution

This 8.2MHz Anti-Theft RF Antenna System is a professional-grade loss prevention solution designed specifically for clothing stores and retail environments. Constructed with a durable aluminum alloy and ABS frame, it provides a reliable detection field to identify unauthorized removal of tagged merchandise. The system features high-sensitivity alarms and integrated warning lights to ensure immediate notification of security breaches, helping retailers significantly reduce shrinkage.

## Technical Performance

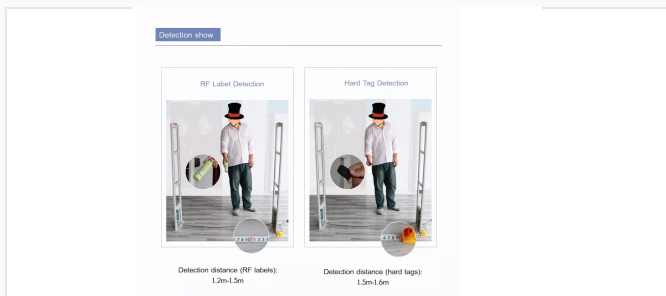
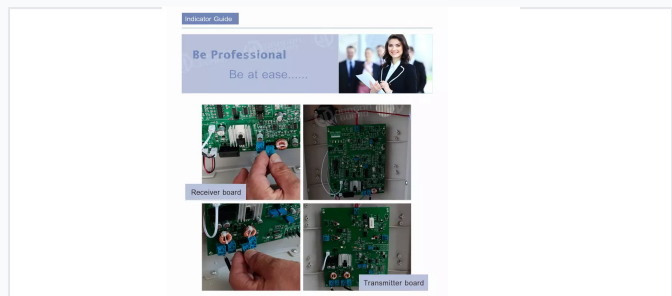


Illustration of detection ranges for different security tag types.



Internal receiver and transmitter board components for reliable signal processing.

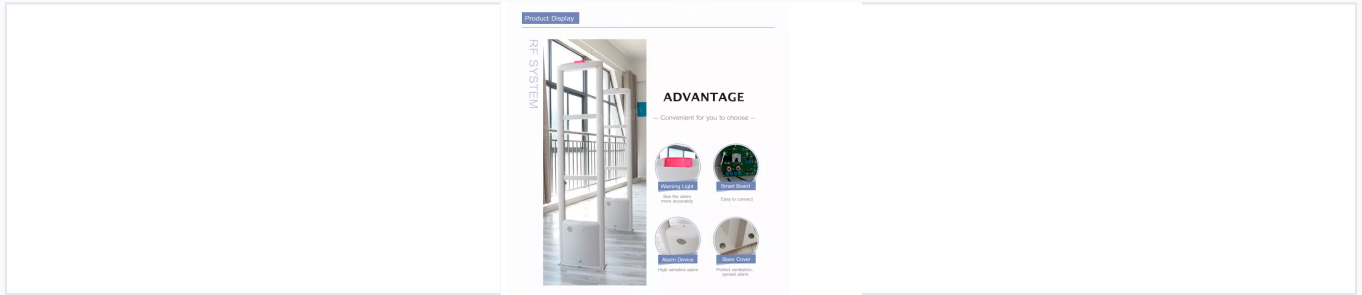
### Detection Range

<b>1.2 m</b> RF Label Range (Min)	<b>1.5 m</b> RF Label Range (Max)	<b>1.5 m</b> Hard Tag Range (Min)	<b>1.6 m</b> Hard Tag Range (Max)
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### Operating Frequency

8.2 MHz

## Design & Build



Detailed view of the smart board, warning light, and high-sensitivity alarm device.

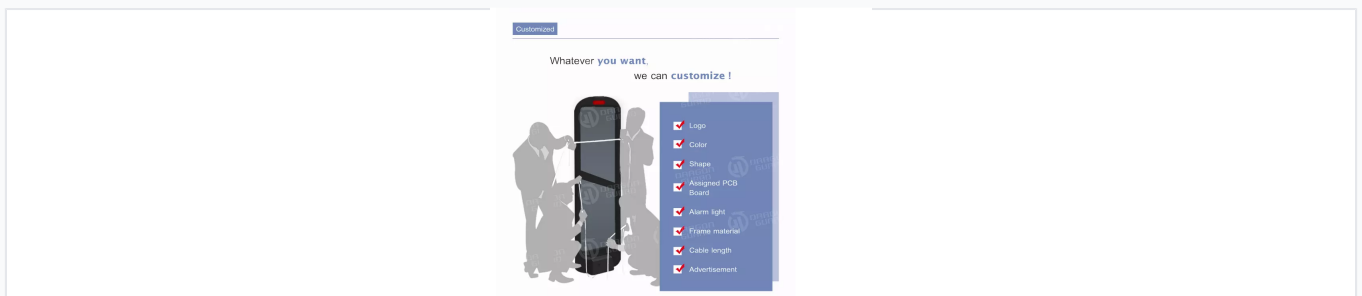
### Key Features

- High sensitivity alarm device
- Integrated warning light
- Smart board for easy connection
- Ventilated base cover for heat dissipation
- Wide detection distance

### Materials

Aluminum Alloy, ABS

## Customization



Various customization options including frame material, color, and integrated advertising panels.

### Available Customization

Logo, Color, Shape, PCB Board, Alarm Light, Frame Material, Cable Length, Advertisement Panels

## Logistics & Supply

### Standard Packaging

Quantity	Weight	Dimensions
2 pcs/ctn	15.0 kg	161 x 42 x 20 cm

### Lead Time Schedule

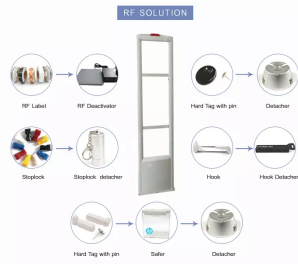
Quantity (Sets)	Est. Time (Days)
1-10	10
11-50	15
50+	Negotiable

## Compliance

### Product Certifications

CE • ISO • ROHS • SGS • MSDS

## System Compatibility



Compatible accessories including labels, deactivators, hard tags, and detachers.

### Compatible RF Components

- RF Labels
- Hard Tags with Pins
- RF Deactivators
- Magnetic Detachers
- Stoplocks
- Display Hooks
- Safer Enclosures