

Intelligent Security Access Control

RFID Ceiling Type Dual Induction Access Control – Model RIA17



1. Product Introduction

- UHF RFID ceiling antenna, primarily used for long-range RFID item reading, with a reading distance of approximately 5 meters. The device boasts strong group reading capabilities. Ceiling-mounted installation saves space. Compared to traditional UHF antennas, this device integrates a built-in antenna and adds an audible and visual alarm function, which can detect and detect unauthorized tags. The device can intelligently identify goods entering and leaving the warehouse, offering convenience and speed.
- Application scenarios: Supermarket stores, warehouse entrances and exits.

2. Product Features

- Employs multiple external interfaces for convenient and quick connection;
- Advanced tag collision processing algorithm improves readability;
- Stable writing capability with a maximum port output of 33dBm, high write success rate, and stable device performance;
- Supports intensive tag reading and writing, multi-tag recognition, tag data filtering, and RSSI (Signal Strength Sensor);
- Integrated audible and visual alarm, suitable for applications requiring alarm functionality;
- Stylish design and compact size, integrating the reader/writer and antenna into one unit;
- Convenient development: Provides C# and Java development materials.

1. Technical Specifications

Category	Parameter
Model No.	RIA17
Frequency Range	840~960 MHz
RF Protocol Standard	ISO 18000—6C/EPC C1G2, ISO 18000-6B
Response Speed	500 tags/second
Reading Mode	Supports dense reading
Reading Distance	0-5 meters, adjustable
Built-in Antenna Polarization	Circular polarization
Output Power	0~33 dBm
Dimensions	575*200*45mm
Housing Material	Acrylic + Aluminum Alloy
Weight	2.5kg
Operating Temperature	-20℃~+55℃
Alarm Method	Audio and visual alarm
Operating Temperature	<95% (+25℃)
Interface	RS232, RS485, 9-24V power supply, Wiegand output, RJ45