



RS-AI02

2.45GHz Active Integrated Reader

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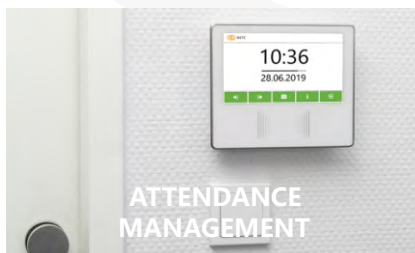


RS-AI02 has the features of high identification and reliability, strong expandability, etc. The read range is adjustable within 8~260 meters.

Functions

- ISM 2400-2480Mhz Working Frequency, Private Protocol
- Reading Radius 8-260m in Open Area, Range Adjustable by Software
- Build-in 15dBi Antenna, All in One RFID Reader
- Support RS-232, RJ45 Communication Ports
- Support GPIO
- Support C#/C++ API

Application



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Specification

RF Parameters

Operating Frequency	2.4-2.48GHz
Power Output	Max +15dBm, step -2dBm (adjustable by software)
Sensitivity	-95dBm
Communication Interface	RS-232, RJ45
Optional Interfaces	RS-485, Wiegand 26/34
Wireless Expansion Module (Optional)	GPRS, 802.11 WIFI module
I/O Port (Optional)	2-channel relay output; 2-channel trigger input
Firmware Upgrade	Support by serial port
Application Software Platform	Provide development kit of API (C++ and C#)

Tag Operation

Tag Protocol	Private Protocol
Tag Operating Mode	Compatible with active and passive operating mode tags
Reading Range	8-260m (outdoor line of sight distance test, actual reading distance depends on antenna type, environment, tag type)
Identification Speed	300pcs/s (tag ID)
Anti-confliction	Identifying 300pcs tag at the same time

Mechanical & Electrical performance

Indicator	Buzzer
Product Dimensions	320mm × 200mm × 105mm
Power Supply	AC180V~240V
Power Consumption	Standby 200mW; Working 400mW
Operating Temperature	-40°C~+60°C
Storage Temperature	-60°C~+80°C
Operating Humidity	5% ~ 95% (non-condensing)
IP Rating	Ip65



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