

# RS-AI01

Fixed 2.45 GHz Omni-Directional Active Circle RFID Reader

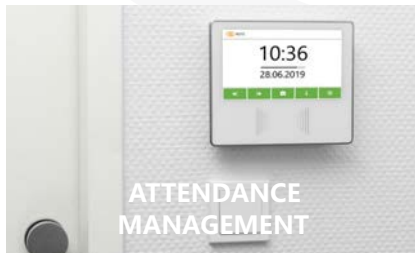
## RS-AI01 Fixed 2.45 GHz Omni-Directional Active Circle RFID Reader



### Functions

- Support RS-232, Wiegand 26/34 & 10/100M Ethernet and customized interfaces
- Reading distance is adjustable by software
- Wireless module GPRS/GSM, WIFI optional
- Power supply (AC 110-280V; DC 9V-18V) configurable by requirement
- Multi-group I/O ports, to control the functional mode of the reader/writer
- Command-trigger, set time-trigger and out-trigger suitable for customer's applications
- Multi-reader operating under intensive environment
- All the design, components model and production process meet relevant military standards, waterproofing IP67, harsh environment suitable

### Application



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## Specification

### RF Parameters

Operating Frequency	2.4-2.48GHz
Output Power	-30dBm-0dBm (adjustable by software)
Sensitivity	-93dBm
Communication Interface	RS-232, 10 / 100M Ethernet
Optional Interfaces	RS-485, Wiegand 26/34
Wireless Expansion Module	GPRS (optional), 802.11 WIFI module(optional)
I/O Port	2- channel relays output(optional), 2- channel trigger input(optional)
Firmware Upgrade	Support serial port
Application Software Platform	Provide development kit of API©++ and C#)

### Tag Operation




Tag Protocol	Private Protocol
Tag Operating Mode	Compatible with active and passive operating mode tags
Reading Range	0-120m (depend on the tag power output)
Identification Speed	300pcs/s (tag ID)
Anti-confliction	Identifying 300pcs tag at the same time

### Mechanical & Electrical performance

Indicator	Buzzer, LED (Power, Reading, Data transmission)
Product Dimensions	Φ330mm×126mm (excluding stand); Φ13.0 in×5.0 in (excluding stand)
Package Dimensions	560mm×380mm×185mm
Net Weight	1.6kg
Gross Weight	5.15kg
Power Supply	AC180V~240V (optional DC 9-18V power module build-in)
Power Consumption	300mW
Operating Temperature	-40°C~+60°C
Storage Temperature	-60°C~+80°C
Humidity	5% ~ 95% (non-condensing)
IP Rating	IP67
Shock Resistance	10~500Hz, 100mm/15g, triaxial



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