



# RS-AI01

Fixed 2.45GHz Active Circle Outdoor RFID Reader

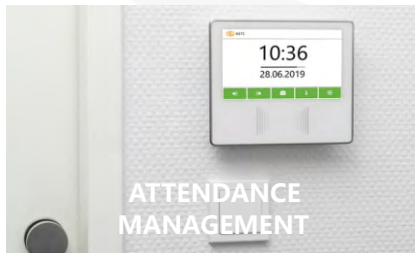
## RS-AI01 Fixed 2.45GHz Active Circle Outdoor RFID Reader



### Functions

- Support RS-232, Wiegand 26/34 , 10/100M Ethernet and customized interfaces
- Reading distance is adjustable by software
- Wireless module 4G, WIFI (optional)
- Power supply (AC 110-240V; 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
- Waterproofing IP67, harsh environment

### Application



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## Specification

RF Parameters	
Operating Frequency	2.4-2.48GHz
Output Power	-30dBm-0dBm (adjustable by software)
Sensitivity	-95dBm
Communication Interface	RS-232, 10 / 100M Ethernet
Optional Interfaces	RS-485, Wiegand 26/34
Wireless Expansion Module (Optional )	4G, 802.11 WIFI module
I/O Port (Optional )	2-channel relays 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	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	LED (Power, Reading, Data transmission)
Product Dimensions	Φ310mm×90mm (excluding stand)
Product Weight	1.454Kg
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
Operating Humidity	5% ~ 95% (non-condensing)
IP Rating	IP67
Shock Resistance	10~500Hz, 100mm/15g, triaxial



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