

## FSC-RD017 Top-mounted Portal

### Introduction

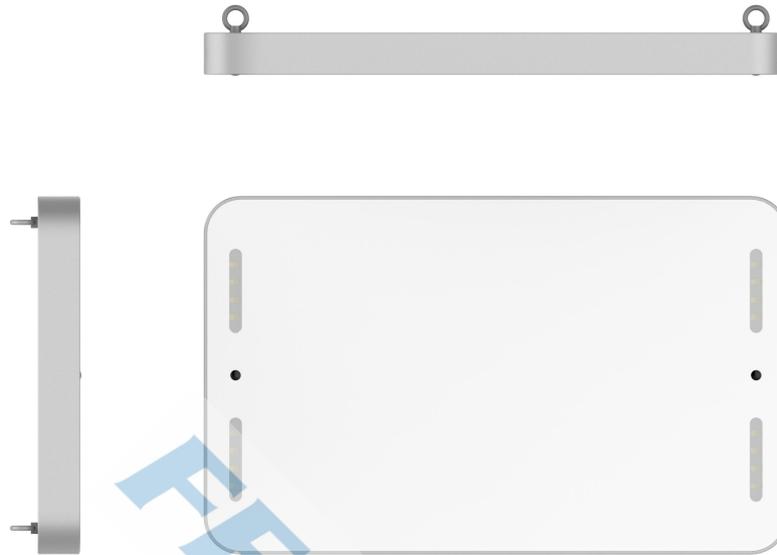
FSC-RD017 portal is a high-performance UHF top-mounted smart device. It complies with ISO18000-6C protocol. The working frequency band covers 902MHz~928MHz (FCC). A built-in phase-controlled high-gain antenna array is inside. It has the characteristics of fast and accurate positioning, automatic identification of moving direction, contact-less triggering, long recognition distance, strong multi-label recognition ability, strong anti-interference ability, good scalability, and easy installation etc. FSC-RD017 can be widely used in clothing stores, supermarket retail, book file management, personnel access management, fixed asset management, intelligent warehousing management.



### Features:

- Automatic direction detection: can automatically detect the direction of label travel, without the need for peripheral sensing equipment;
- Antenna control field accuracy: professional antenna design, accurate angle control, accurate field control coverage area, no blind spots, top-mounted height of 3-5 meters, coverage diameter of 2.5-4.5 meters;
- Remote equipment monitoring: support remote equipment management and maintenance, remote control of functions such as online upgrade, on-off monitoring, status viewing, parameter configuration, etc., greatly reducing project maintenance costs;
- Event monitoring and alarm: It supports sound and light alarms of various combined events, and supports both online and offline alarms, with volume control optional.
- Expanded integration: supports multi-channel GPIO port input and output, and can integrate and link peripheral devices according to application scenarios;
- Powerful customization service: built-in Linux 4.1.15 operating system and middleware, which is convenient for customized development of customer applications;
- Easy installation: It supports both ceiling and ceiling installation, which is fast and convenient and greatly reduces the cost of equipment installation;
- Easy to use: The concealed installation method can greatly improve the space utilization rate in

various scenarios, and at the same time reduce the psychological abruptness of personnel use.



### Specifications:

<b>Electrical</b>	
Protocol	ISO18000-6C
Operating mode	Fixed frequency/frequency hopping optional
GPIO	2 out / 2 in
Frequency Range	902MHz~928MHz
Transmit Power	30dBm±1dB (MAX)
Antenna Gain	≥14dBi
Polarization	Circular
Beam scanning range	Channel length 8m / width 3m
Read Rate	>200 reads/s
Network	10M /100M Ethernet
Power Supply	DC12V5A
OS	Linux 4.1.15
<b>Physical</b>	
Dimensions	550mm*340mm*40mm
weight	4.0kg
Material	aluminum, acrylic
<b>Environmental</b>	

Operating Temperature	-20 - +60°C
Storage Temperature	-40 - +85°C
Humidity	10%-95% non-condensing
IP Level	IP53

**Dimensions :**