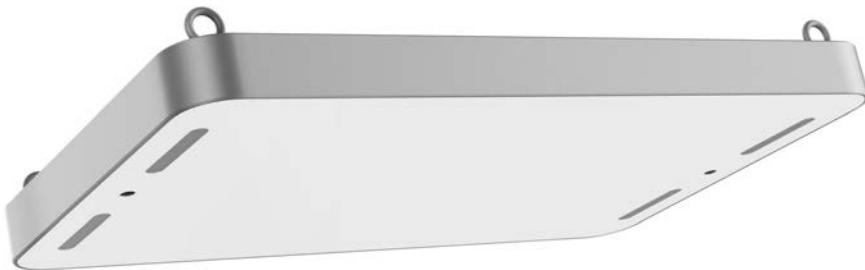


# BRD-17 Top-mounted Portal

## Introduction

BRD-17 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. BRD-17 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.

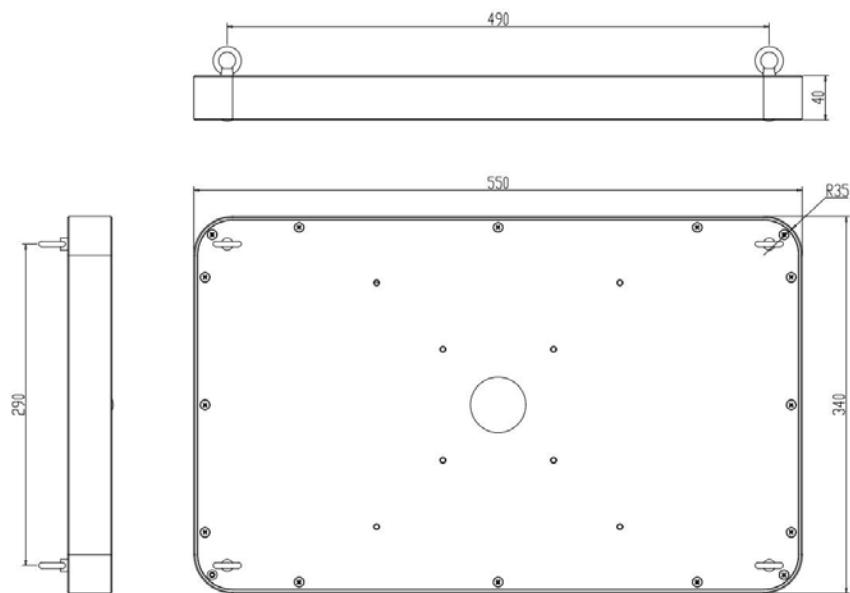


## Specifications:

Electrical	
Protocol	ISO18000-6C
Operating mode	Fixed frequency/frequency hopping optional
GPIO	2 out / 2 in
Frequency Range	902MHz~928MHz
Transmit Power	30dBm (MAX)
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
Physical	
Dimensions	550mm*340mm*40mm
weight	4.0kg
Material	aluminum, acrylic
Environmental	

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

## Dimensions :



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#### FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.