

BRC-04BL UHF Channel Access Control System

BRC-04BL UHF channel access control system supports EPC C1G2 (ISO18000-6c) protocol. It internally integrates high gain antennas, control module and high reading/writing speed reader which based on ImpinjR2000. This system has high-speed read tag performance and good reading/writing regional control ability, provide standard RS232 or RJ45 interface, convenient connected to software platform.



Product Features

- Independent intellectual property design
- Support server mode to achieve multi-channel control
- Support EPC C1 G2 (ISO18000-6C) protocol
- Frequency 902~928MHz
- Output power less than 30dbm (adjustable)
- Good performance in multi- label reading, missing-read rate lower than 1% under Infrared trigger mode
- Special designed antenna, horizontal narrow beam design , accurate access control area, no blind spot
- Alarm Lamp and buzzer embedded, high sensitivity, safe and reliable
- Wider RFID safe door placing distance, maximum 2.2m
- Motion direction judgment optional (by infrared diode pair)
- LED display optional for showing label numbers
- New label reading prompt function optional
- Burglar alarm function optional
- Fashion appearance, easy assembly

Product Specifications

Size:	1371×370×69mm (per pcs)
Weight:	13KG(per pcs)
Frequency:	902MHz ~ 928MHz

Protocol :	ISO 18000-6C
Operating Temperature :	-20°C ~ 50°C
Storage Temperature :	-30°C ~ 70°C
Ambient humidity :	5% ~ 95%RH no condensation
Power Supply :	AC 220V±10% 47~63 Hz
Power Consumption :	approx. 45W
Interface :	RS-232(DB9), RJ45
Recommended width per channel:	0.8 ~ 1.5m(maximum 2.2m)

Access Control Components (N channels)

- Rack N+1 pcs (N channels)
- 9dBi narrow beam antennas 4*N pcs
- Control panel and power module $\geq N/2$ pcs
- Read-write module N pcs
- RS232 serial port N pcs
- Ethernet port N pcs
- Exchange board $> N$ ports
- RF feeder 4*N pcs
- Infrared radiation 2*N sets
- Infrared connector 2*N sets

Applications

Suitable for all kinds of logistics, warehouse, library, archives and personnel work attendance applications.

Manufacturer's Name: Shenzhen Broadradio RFID Technology Co.,Ltd

Product name: UHF RFID portal reader

Model number: BRC-04BL, BRC-04BL Pro, BRC-04C, BRC-04CT, BRC-04F, BRC-04FL, BRC-04E, BRC-04L, BRC-04H, BRC-08H 10RS-1
Operating Temperature: -20° C to 50° C

This device in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. All essential radio test suites have been carried out.

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.