

Sample Specification

Product name:	UHF RFID Bluetooth All-in-one Integrated Reader (The 4th Generation)
Model No.:	ACR-CRP12 (UR145)
Specification:	EU Frequency 865~868MHz Communication:WG/USB/RS485/TCP/IP Size:445MM*445MM*32MM/ No logo
Version:	V2.01

ACR-CRP12 (UR145) UHF Bluetooth All-in-one Integrated Reader

I. Introduction

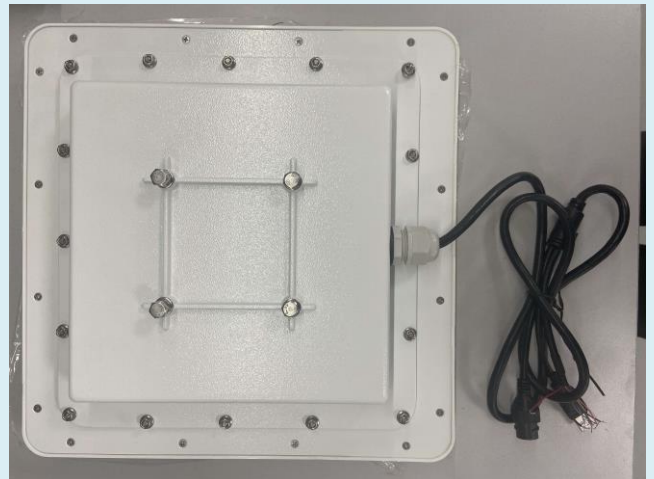
1. 1) Feature

- ◆ UHF RFID All-in-one Integrated reader, built in 12dBi antenna
- ◆ Comply IP66 waterproof certificate
- ◆ Support firmware upgrade by USB / RS485 / TCP/IP / Bluetooth
- ◆ Communication interface with WG / USB / TCP/IP / RS485 / Bluetooth
- ◆ Has the advantages of stable card reading performance, good consistency of card reading performance, low operating current, long service life, etc.

1. 2) Application

Widely used in parking lot management and other scenarios.

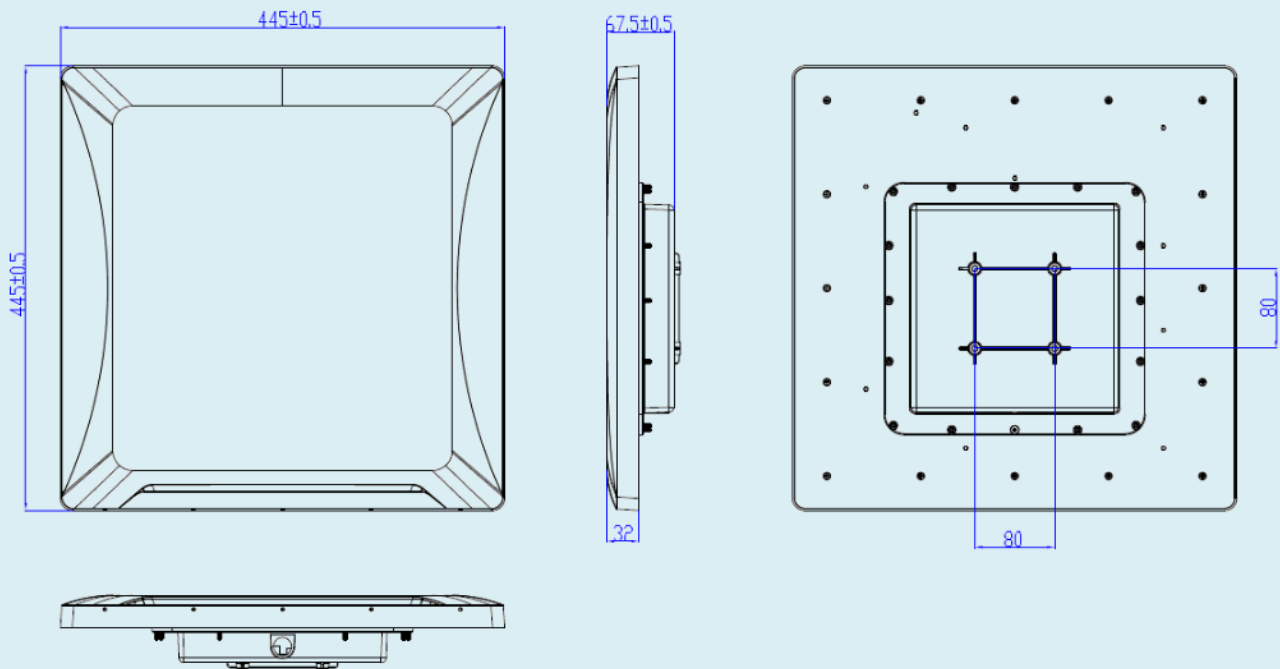
II. Product Appearance:



III. Technical Parameters

Feature	Description
Model	ACR-CRP12 (UR145)
Dimension	445MM*445MM*32MM (±5mm)
Work frequency	865~868MHz EU frequency
Air protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
Electrical parameters	Work voltage: DC 9 - 15V
Current	Standby current less than 1A, swipe current less than 3A
Communication	WG / USB /TCP/IP / RS485 / Bluetooth
WG communication	WG format optional(26/34/42/58/66/74/82/90/98), default WG26
RS485 communication	1.Default baud rate 115200, address 0 2.Baud rate 9600/1200/38400/57600/115200 settable
TCP/IP communication	Reader model or R/W model settable
Work temperature	-20℃—65℃
Storage temperature	-20℃—80℃
Antenna gain	12dBi
Indicator light	1.Standby indicator optional (red, yellow, green, blue, cyan, purple, white), the default is red light always on; 2.Read card indicator optional (red, yellow, green, blue, cyan, purple, white), the default is read the card green light on 200ms
Read card range	0~L (L≥15m) , Height not less than 180 centimeters, extending 4 meters on each left and right side
Firmware version	V4.24
Hardware version	MI610_V2.01

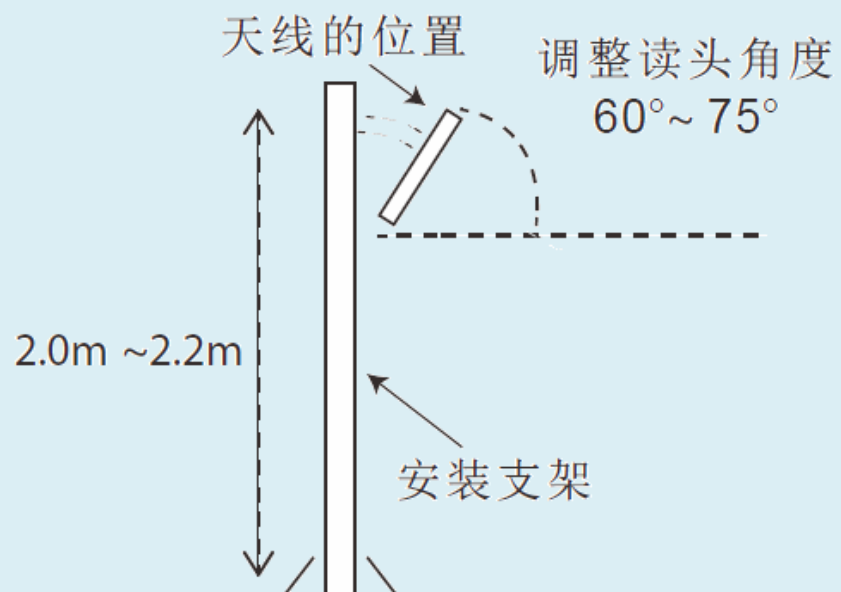
IV. Dimension and outer structure(Unit:mm)



V. Installation Instructions:

When installing the product, refer to the following schematic diagram, install the product on the bracket, and adjust the angle according to the actual card effect.

Note: Please keep the reader away from strong magnetic field when working, and please do not install adjacent readers facing each other or back to back.



VI. Wiring Function Description

Wiegand & RS485			
1	Deep Red	VCC	Power In
2	Deep Black	GND	
3	Black and white	Signal GND	
4	Green	D0	Wiegand Out
5	White	D1	
7	Brown	RS485+	RS485 Out
8	Blue	RS485-	
6	Purple	INT	All-in-one machine
9	Grey	Relays NC	
10	Pink	Relays COM	
11	Light Green	Relays NO	
USB			
12	Light Red	VCC	USB Out
13	Light Black	GND	
14	Yellow	USB-	
TCP/IP （With 1.25-4P terminal）			
15	Green	TCP/IP Green terminal	TCP/IP Out
16	Green and white		
17	Orange		
18	Orange and white		

VII. Way of packing

No.	Model	Size	QTY
1	UT500BE_BT(UR133)	445MM*445MM*32MM	1 PCS
2	Package	UR500B Kraft paper box/Material K=A/Outer size 527*527*190MM	1 PCS
3	UHF1-Tag1 testing card	85.5*54*0.8mm±0.5mm	1 PCS
4	Manual	Color manual/Size: 85*105mm	1 PCS
5	Inner liner / Inner liner cover	UR500BLining pearl cotton (anti-static) / white / Density approx 16Kg/ Size:480MM*480MM*166MM	1 PCS
6	Mounting kit	Metal material, a set	1 PCS
7	Outer carton	Kraft paper/Material K=A/ Outer size 55*54*63.5MM (For 3 units)	3 units/ carton

Declaration of Environmental Conformity

1. This enterprise makes the following solemn declaration on the products provided:
2. This product complies with GB/T 26572-2011 "Limited Requirements for Restricted Substances in Electrical and Electronic Products" and the exceptions of restricted substances stipulated by the state.
3. This product complies with GB/T 26125-2011 "Testing Methods for Six Restricted Substances in Electrical and Electronic Products".
4. This product complies with SJ/T 11364-2014 "Requirements for Labeling of Restricted Substances for Use in Electrical and Electronic Products".
5. Product Description: ACR-CRP12 (UR145)

Shenzhen Radio Technology Co., Ltd

3rd Jan, 2024

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

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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.