



EC-RF620 Dual-channel RFID controller



1、Product features

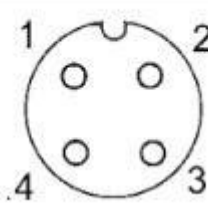
- Operating Frequency: 860MHz~960MHz
- Support Protocol: support EPC class Gen2 (ISO 18000-6-c)、GB/T29768
- Working mode: fixed frequency or frequency jump
- Output power: 1dBm-33±1dBm
- Read-write speed : Greater than 400, times / second
- Read and write distance: Greater than 10 m, related to the antenna and label specifications.
- Working power supply : DC 9V-36V, 2A
- Maximum power consumption: 8W
- Working temperature: -25℃- +70℃
- Storage temperature: -40℃- +85℃
- Working humidity: 10% ~ 95% RH without condensation
- Communication interface: Ethernet、RS-232、RS485



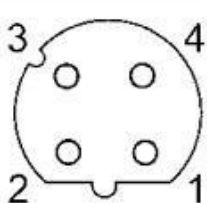
- Finished product size: 132X87X35mm
- Installation method: the 4 x M4 screws are fixed
- Protection level: IP67
- Impact and vibration test standards: IEC61373

2、Interface definition:

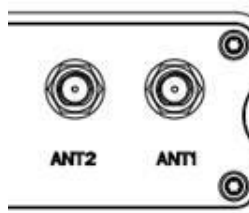
1) POWER interface, The connector meets the standard GJB142A, M12-A 4 pin

VCC		
1	24 V-in	
2	24 V-in	
3	GND-in	
4	GND-in	

2) LAN interface, M12-D 4pin Connector definition

LAN (D-coded)		
1	TX+	
2	TX-	
3	RX+	
4	RX-	

3) ANT1, ANT2 interface, The SMA connector, connecting to the antenna

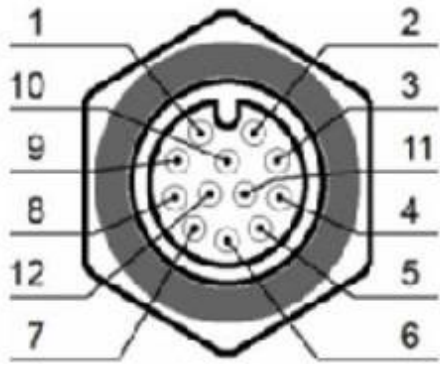


Only connect to the antennas required to be used.

Unconnected antenna, software do not open, otherwise no load may damage the reader!



4) IO Interface, M12-A 12-pin connector definition

I/O Interface definition		
1	IN4 Input4	
2	RS485A	
3	RS232-RXD	
4	RS232-TXD	
5	OUT2 Output2	
6	OUT1 Output1	
7	IN1 Input1	
8	IN2 Input2	
9	IN3 Input3	
10	RS485B	
11	RS232-GND	
12	Power source (GND)	

Schematic diagram of the wiring port

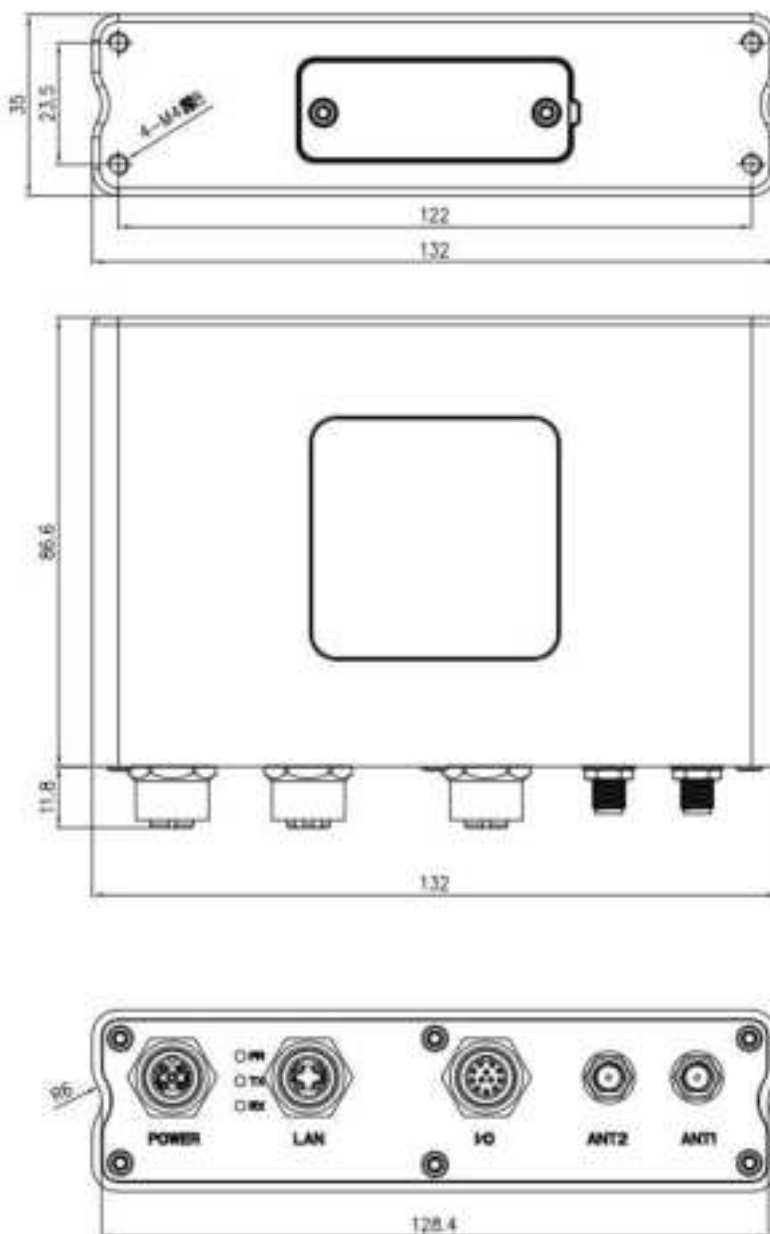
3、Human-computer interface requirements:

The controller has 3 LED display lights, specifically defined as follows:

Lights	Definition
PR	Red light bright--The device power ON
TX	Blue light bright--Represents data upload (read to tag); No bright means that there is no data upload
RX	Green light bright--Indicates receiving data; No light indicates that no data is received



4、Install the size diagram





5、Installation accessories:

1) DIN Guide rail installation kit, model: 20950000004

Technical data

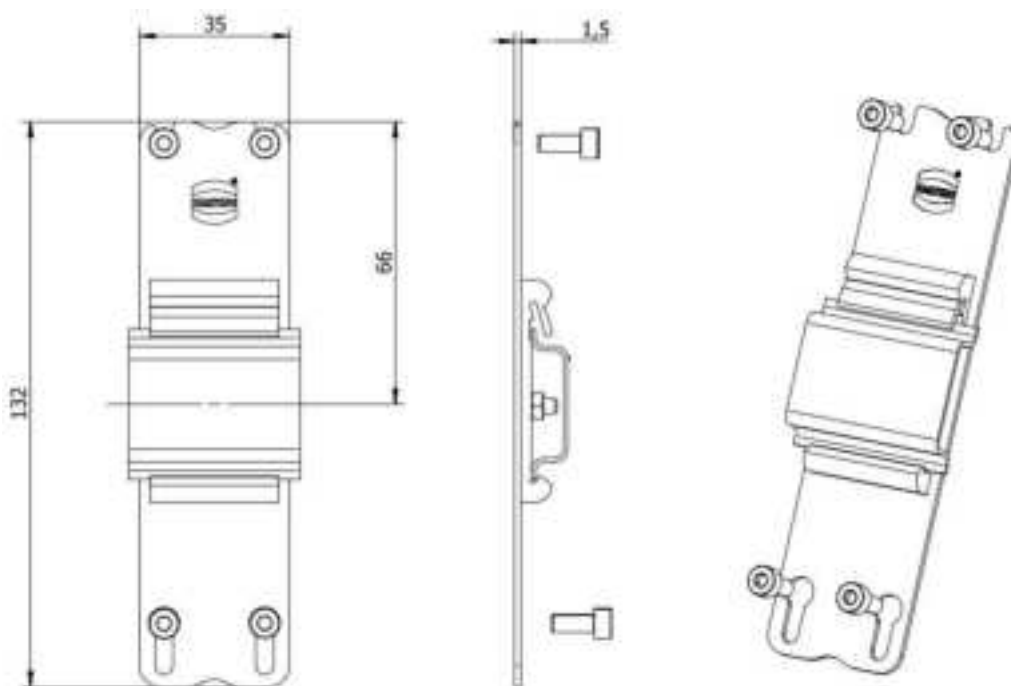
Material: Stainless steel

Accord with RoHS

Accord with REACH

Package size: Length 132 mm X width 35 mm X

Thickness of 1.5 mm Net weight: 82.7 g





2) Wall set, model: 20 95300 0007

Technical data

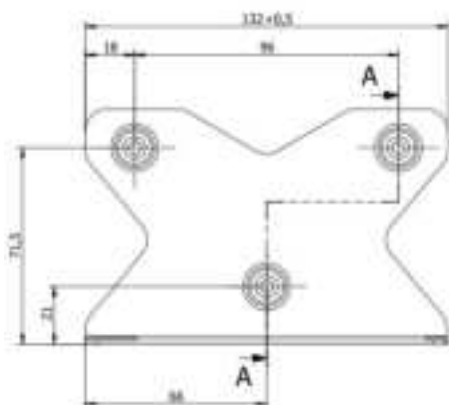
Material: Stainless steel

Size: Length 132 mm X width 85.5 mm X height 37.5 mm

Accord with RoHS

Accord with REACH

Net weight: 164.1 g



caution:

This device must be professionally installed

This equipment does not allow any antenna to work with the transmitter; the permitted antenna type must be specified external antennas, for example (antenna name: Planar RFID antenna, Model: EC-UHF-NF3004)

device is generally for industrial/commercial use. it must be sold to authorized dealers or installers only, cannot be sold via retail to the general public or by mail order.

The equipment is an RFID technology RF product, and must be installed by electrical and electronic professionals with a professional certificate



FCC Caution

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.

RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC Caution.

CAN ICES-003(B) / NMB-003(B)

RSS-Gen Issue 3 December 2010" & "CNR-Gen 3e édition Décembre 2010:

- English:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French:



欧科华创自动化（深圳）有限公司 EC-LINK Automation (Shenzhen) Co. Ltd.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.