



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

EC-RF615

Ultra-thin integrated module



EC-RF615 is the EC-LINK company launched a UHF RFID antenna integrated card reading module, integrated 915Mhz card reading module and ceramic antenna, the product uses the industry general USB connector, a cable to achieve power supply and data transmission, can be easily installed in size-limited applications.

Application field: widely used in factory automation and logistics automation. Material / workpiece identification on production assembly line and automatic identification of tool configuration; conveying line tray identification in logistics industry, material management, fixture / workpiece identification on mobile platform; identification of production materials in machinery and equipment.



Order information

product model: EC-RF615

Product material number: 74191102000

frequency range: 860 – 960 MHz

Specification parameters:

- center frequency: 915MHZ
- Working frequency band: 840MHZ-960MHZ
- Support Agreement: EPC C1/Gen2, ISO/IEC 18000-6C
- output power: 5~20dBm
- working voltage: 3.3V-5.3V
- maximum operating current: <200mA
- working temperature: -20°C~+60°C
- Storage temperature: -25°C~+85°C
- Protection level: IP65
- MTBF: >328500 小时,
Condition: EN 61709 at+55°C

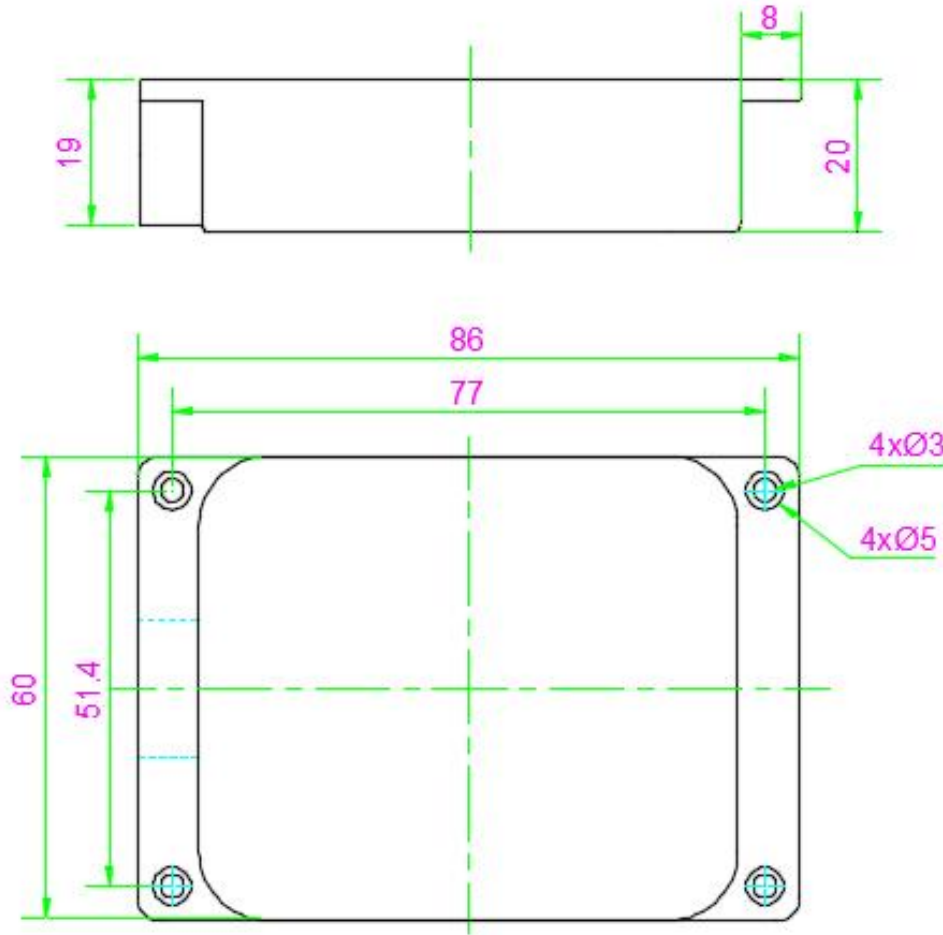
USB Interface definition

4PIN USB Interface definition		
Pin	Definition	Description
1	VCC	Power DC5V
2	DATA-	Data line negative
3	DATA+	Data line positive
4	GND	Power ground



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- Package size: 86mmX60mmX20mm



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:Ha-VIS RF-ANT-LR20)

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



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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.



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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:

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.