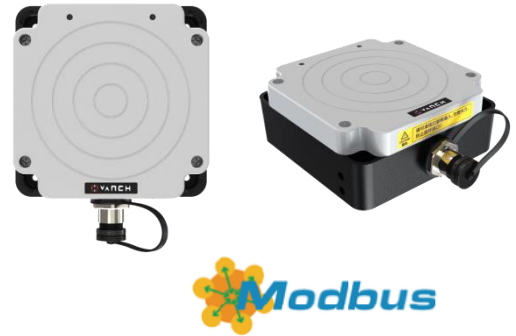


# UHF RFID

## Industrial RFID

### reader

## VI-IR610P



### Product Feature

- (1) Industrial design, rugged and durable, in line with the harsh industrial production line environment;
- (2) RFID module adopts PR9200 UHF RFID chip from Korea;
- (3) Fully support EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C standard electronic tags;
- (4) Operating frequency 865-868MHZ, 902-928MHZ (can be adjusted according to the requirements of different countries or regions);
- (5) Support Wanquan VUP protocol, support ModbusTCP, ModbusRTU protocol, support TCP/UDP protocol
- (6) The reading distance can be controlled at any setting from 30cm-200cm;
- (7) communication mode support 100 megabit network port communication, WiFi (optional), support 232/485 communication, and
- (8) communication interface (GPIO logic control): 2-channel output, 2-channel input control;
- (9) power supply support wide voltage 9V-24DCDC (3A), maximum current 3A;
- (10) RF output power up to 0 ~ 27dbm adjustable;
- (11) read / disk mode support continuous (automatic), command, trigger mode work; data reporting mode: cache, timing, instant mode
- (12) upgrade mode: 1, offline upgrade: support RS232;  
2, online upgrade: TCP upgrade mode: RJ45 network port.
- (13) LED flashing prompts the working status, buzzer sounding mode, to facilitate the user to control the working status of the product.
- (14) all communication interfaces isolation protection, some key communication interfaces lightning protection against static electricity.
- (15) temperature protection: extreme cold areas support temperature compensation function (optional).
- (16) Suitable for automated production line projects, such as production operation lines, sorting lines, beat logistics, automated production lines, mold management, auto parts and final assembly lines, etc..



AGV vehicle navigation



Logistics Sorting Line




Automotive Parts Management



Machine tool management

**Specification**

| Specification  |   |
|--|---|
| <b>Model No.</b>   | <b>VI-IR610P</b>  |
| Performance Index  |   |
| RF chip  | Korea PR9200  |
| Protocol   | EPC global UHF Class 1 Gen 2 / ISO 18000-6C   |
| Work frequency   | 902-928MHz or 865-868MHz  |
| RF output  | 13-27dBm±1dBm   |
| RF output adjustment   | 1dBm  |
| receiving sensitivity  | < - 70dBm   |
| Detect peak speed  | > 50 times/ second  |
| Read range   | 300~2000mm ( tag dependant)   |
| Write range  | 0-1000mm ( depend on reader, tag and working environment)   |
| Tag RSSI   | support   |
| Support working area   | US, Canada and other regions following U.S. FCC<br><br>Europe and other regions following ETSI EN 302 208 with & without LBT regulations<br><br>Mainland China、 Japan Korea、 Malaysia、 Taiwan |
| Antenna  | Dual-fed point ceramic antenna or PCB near-field antenna  |
| Communication interface  | RJ45、 RS232、 RS485  |
| Communication protocol   | ModbusTCP、 ModbusRTU、 TCP/UDP   |
| WiFi ( <b>optional</b> )   | Support IEEE 802.11 n/b/g   |
| Heating device (optional)  | Low temperature automatic heating (-5°) option (determined by the project site environment)   |
| Communication rate   | Serial rate 9600 ~ 115200bps, RJ45 is 10Mbps  |
| Working Status   | LED indicator, buzzer   |
| Reliable firmware upgrades   | Scalable upgrade mechanism  |
| General purpose input/output (GPIO)  | 2 inputs, 2 outputs   |
| Application Software Interface   | Provide API development kit and C and Java application routines   |
| Mechanical and electrical performance  |   |
| Size   | 95*95 *40mm   |
| Power  | Work DC9-24V  |
| Connector wire   | Industrial connection tail cable one drag five  |
| Weight   | 1.1KG   |
| Humidity   | 5% to 95%, Non-condensing   |
| IP rating  | IEC IP67  |
|   |   |
| <b>Telephone: 0755-82426775</b> <b>Fax: 0755-82403457-600</b><br><b>Website: <a href="http://www.vanch.net">www.vanch.net</a></b> <b>Email: <a href="mailto:sales@vanch.net">sales@vanch.net</a></b> |   |
| <b>4/F, the West of Building B, Fuanna Industrial Park, No.1 Qingning Road, Longhua District, Shenzhen City-518109, Guangdong Province, China</b>  |   |

|               |                  |
|---------------|------------------|
| Working temp. | -20 °C to +60 °C |
| Storage temp. | -20°C to 85°C    |

**Product size image:**
