

UHF RFID industrial reader VI-IR61



Features:

- Industrial-grade design patent, IP67 protection level, can adapt to harsh environments such as oil, dust, and moisture;
- All industrial-grade electronic components are used, with built-in filters and isolation modules to resist interference, ensuring stable and reliable quality;
- The RF module uses the high-performance American Impinj E310 chip, which has extremely high sensitivity and higher reading rate;
- Multi-protocol, multi-interface, multi-cascade, multi-mode, multi-function;
- Modbus directly connects to PLC to achieve fast RFID acquisition; supports low-threshold secondary development;

Application scenarios:

Vanquan VANCH brand industrial RFID identification products are widely used in

automobile manufacturing, photovoltaic lithium batteries, equipment manufacturing, logistics sorting, workstation assembly lines, home appliance/3C mixed production lines, tool management, AGV robot control and other scenarios;

Specifications:

Purchase code (product model)	VI-IR61
Performance	
RF Module	VM-18E/VM-M18 (RF chip E310 or Fudan Micro)
Air interface protocol	RAIN RFID / Compliant with ISO 18000-6 C and EPC Global Gen2v2 regulations
Frequency Range	902~928MHz or 865~868MHz
RF output power	0~27dBm±1dBm
Receiving sensitivity	-75 dBm;
Output Power	0-26dBm
Maximum read rate (tags/second)	250
Reading distance	0~35cm (related to reader parameter configuration, antenna gain, and tag type)
Writing distance	0~35cm (related to reader parameter configuration, antenna gain, and tag type)
Number of antennas	1 built-in ceramic antenna
Firmware Upgrade	Scalable upgrade mechanism
Application Software Interface	Provide API development kit and C and Java application examples

Communication Interface	RS232, RS485, RJ45, choose one
Communication rate	Serial port rate 9600 ~ 115200bps Network port rate 10/100Mbps
Protocol	Modbus TCP/RTU, VUP protocol
Signal indicator	Power indicator PWR (red) Operation indicator RUN (orange) Card reading indicator RF (green)
Mechanical and electrical properties	
Protection level	IP67
Typical power consumption (Watts)	< 3.5W
Operating Voltage	DC 9~24V or POE power supply
Working status display mode	LED indicator, buzzer
Product Size	65*65*30mm
Housing Material	Cast aluminum + ABS
Mounting bracket material	Iron galvanizing or powder coating process
Weight (k)	Net weight 169g; including packaging 365g
Wiring harness connector	M8-A type 8-pin female connector (Ethernet port/RS232), M8-A type 4-pin female connector (RS485)

Product packaging diagram:



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VH-R61



支架



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