

# UHF RFID Industrial Reader VI-IR64



## Features:

- 1, · Industrial-grade design appearance patent, IP67 protection level, can adapt to harsh environments such as oil, dust, and humidity;
- 2, · All industrial-grade electronic components are used, with built-in filters and isolation modules to resist interference, ensuring stable and reliable quality;
- 3, The RF module uses the outstanding American Impinj E310 chip, with extremely high sensitivity and higher reading rate;
- 4, Multi-protocol, multi-interface, multi-cascade, multi-mode, and multi-function;
- 5, Modbus directly connects to PLC to achieve rapid RFID data collection; supports low-threshold secondary development;

## Application:

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;

## Parameters:

Model	VI-IR64
<b>Performance</b>	
RF module	VM-18E/VM-M18 (RF chip E310 or Fudan Micro)
Air interface protocol	RAIN RFID / Compliant with ISO 18000-6C and EPC Global Gen2v2 regulations
Frequency range	902~928MHz or 865~868MHz
RF output power	0~27dBm±1dBm
Receiver sensitivity	-75 dBm;
Output power	0-26dBm
Maximum read rate (tag/second)	250
Read distance	0~20cm (related to the reader parameter configuration, antenna gain, and tag type)
Write distance	0~20cm (related to the reader parameter configuration, antenna gain, and tag type)
Number of antennas	1 built-in ceramic antenna
Firmware upgrade	Expandable upgrade mechanism
Application software interface	Provide API development kit and C and Java application examples

Communication interface	RS485, RJ45 Options
Communication rate	Serial port rate 9600 ~ 115200bps Network port rate 10/100Mbps
Communication protocol	Modbus TCP/RTU, VUP protocol
Signal indicator	Side light bar (card reading flashes green, standby flashes red)
<b>Mechanical and electrical performance</b>	
Protection level	IP67
Typical power consumption (watts)	< 4.5W
Operating voltage	DC 9~24V
Operating status display	LED indicator, buzzer
Product size	42*65*18mm
Casing material	ABS+epoxy resin
Mounting bracket material	Iron galvanizing or powder coating process
Weight (k)	Net weight 95g; including packaging 330g
Wire harness connector	M8-A type 8-pin female connector (network port), M8-A type 4-pin female connector (RS485)

## Product packaging diagram:



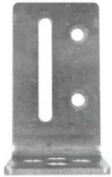
产品保修卡



VI-IR64



通讯线



支架

