

UHF RFID Industrial Reader VI-IR108



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;

Parameter:

Model	VI-IR108
Performance	
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	0~35cm (related to the reader parameter configuration, antenna gain, and tag type)
Write distance	0~35cm (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	Power indicator PWR (red) Operation indicator RUN (orange) Card reading indicator RF (green) Network connection data transmission indicator Link (blue) Serial port connection data transmission indicator ETH (blue) Side light bar (card reading flashes green, standby red)
Mechanical and electrical performance	
Protection level	IP67
Typical power consumption (watts)	< 4.5W
Operating voltage	DC 9~24V or POE power supply
Operating status display	LED indicator
GPIO	1 trigger, 1 relay
Product size	100*80*35mm
Casing material	ABS+epoxy resin
Mounting bracket material	Iron galvanized or powder coating process
Weight (k)	Net weight 205g; including packaging 360g
Wire harness connector	M12-A type 8-pin female connector (network port/RS232), M12-A type 5-pin female connector (RS485)

Product packaging diagram:



产品保修卡



支架



VI-IR108



通讯线束

