

UHF RFID Fixed Reader VF-747/787



Product feature

- The shell is made of high strength pressure casting aluminum material, patent appearance design, strong and durable to meet the requirements of harsh working environment;
- Use Impinj Indy R2000 UHF RFID chip to achieve excellent stability and strong multi-tag long-distance recognition performance, TI ARM embedded processing chip realizes high-speed reading and fast data calculation;
- Comply with EPC global UHF Class 1 Gen 2 / ISO 18000-6C/ ISO18000-6B protocol tags;
- Work frequency in 865-868MHZ, 902-928MHZ(customized optional);
- Certified by FCC, CE and applied in warehouse logistic supply chain, asset tracking, transportation, manufacture etc.;
- Support Wiegand, RS232, RS485, TCP/IP and wireless communication;
- RF output 33dbm adjustable, build with auto mode, command mode, Trigger mode etc.;
- Read buzzer and LED indicator, support firmware upgrade online;
- Provide many I/O input and output port to do easily application integrated.

Parameters

Description	
Model #	VF-747
Performance Index	
RF core chip	Indy R2000
Protocol	EPC Global UHF class1 Gen2/ISO 18000-6C/ISO 18000-6B
Work frequency	902-928MHz or 865-868MHz
RF output	33dBm±1dBm
RF output adjust	1dBm each step by vanch demo software
Receive sensitivity	< - 85dBm
Tag reading speed	> 800 times/second
Tag reading distance	0-25m (depend on reader parameter set, antenna gain, tag type etc.)
Tag writing distance	0-10m (depend on reader parameter set, antenna gain, tag type etc.)

Tag RSSI	Support
Antenna connect protection	Support
Support area	USA and Canada and other comply with FCC Part 15 area Europe and other comply with ETSI EN 302 308 area China, India, Japan, Korea, Malaysia etc.
Antenna ports	4 TNC antenna ports
Communication port	10M/100M tcp/ip internet, RS232,RS485,Wiegand26/34
WiFi (option)	Support IEEE 802.11 n/b/g
Bluetooth (option)	Support Bluetooth 4.0
Communication rate	RS232 with 9600 ~ 115200bps, RJ45 with 10Mbps
Reliable upgrade	upgrade mechanism can be extended
Input/output (GPIO)	2 input, 1 output
SDK language	VC, VB, JAVA, C#, C++ etc.
Mechanical and Electrical Performance	
Unit Dimension	200(length)*200 (width)*35(height)mm
Power supply	With 220V AC input, the output of +12 V/3A DC power converter
Reader antenna port type	TNC Female connector
Weight	< 2KG
Humidity	5% to 95%, Non-condensing
IP protection	IEC IP51
Work temperature	-20 °C to +60 °C
Storage temperature	-40°C to 80°C
Certificate	FCC, CE