


Introduction

- Shell adopt high strength die-casting aluminum, highlighting the product quality
- Adopt high-performance Impinj UHF reader chip IndyR2000,the best Intensive reader mode、the maximum read speed and optimum read ranges.
- Application: logistics supply chain、fixed asset management and library and archive management etc.

Features

- 1, Adopt Impinj UHF reader chip and TI ARM embedded processing chips to achieve high-speed reading and data fast operation
- 2, Full support to meet the EPC global UHF Class1 Gen2 / ISO 18000-6C / ISO18000-6B electronic tag standard
- 3, operating frequency is between 860-868MHZ / 902- 928MHZ (can be adjusted according to different countries or regions)
- 4, RS232, RS485 and TCP / IP network communication
- 5, Support 1, 2, 4 external SMA antenna connections
- 6, Output power reach 32dbm, it is adjustable. Support active mode, command mode and trigger mode.
- 7, Reading buzzer and LED status indication; support online upgrade for hardware by communication port.
- 8, Reader supply multi I/O input output connectors, convenient for device to integrate and application
- 9, highly reliable design for industrial structure to meet the demanding work environment

Specification

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Model	GUHF-747
	
Performance Index	
Frequency range	860-868MHZ, 902-928MHZ (can be customized)
Frequency modulation	FHSS or fixed-frequency, can be set by software
RF output	+10.0 to +32.5 dBm; 50 ohm load.
The number of antennas	1 SMA antenna connector; 2 SMA antenna connector; 4 SMA antenna connectors for selections
Communication interface	10M/100MAdaptive Ethernet, RS232, RS485, Wiegand26/34 interface
Communication rate	Serial rate 9600~115200bps, RJ45 is 10Mbps
Secure firmware upgrade	The upgrade mechanism can be extended
input / output (GPIO)	2 inputs, 1 output
Certifications	CE/FCC
Application software	Supply API SDK and VC and VB, Delphi application routines
Tag Operation Performance	
Reading distance	8dbi Antenna configuration, typical read range: 3 to 25 m (depends on tag)
Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C/ ISO18000-6B
Maximum receiver sensitivity	-82 dBm; Maximum return loss: 10 DBm
Mechanical electrical performance	

Dimension	200 (L) * 200 (W) * 35 (H) mm
Power	With 220V AC input, the output of +12 V/3A DC power converter, and the power consumption is below 1W.
Weight	1.1KG
Humidity	5% to 95%, Non-condensing
IP rating	IEC IP51
Operating Temp.	-20 °C to +60 °C
Storage Temp.	-40°C to 80°C