Rovinj

Dedication, Integrity, Innovation, Win-win
IOT Application Expert

Products

RFID Smart Label Checker Product Specification

Guangzhou Rovinj Mdt InfoTech Co.,Ltd.

1. Product Introduction

ROV-R103 series is an industrial-grade RFID single box tag checker, which is independently developed by our company. It uses radio frequency identification technology as the core and combines mechanical design, multiple sensors, electromagnetic shielding and other technologies. It effectively solves the problem of RFID tags checking and management during the producing and packing process in the factory, which meets the requirement of high efficiency and accuracy of product circulation. Using RFID technology can realize automated self-check of product tags, just by putting the finished products on the checker.

Industry Application: The tunnel is mainly used for SKU identification, such as the tag checking in warehouse management of fashion, cleaning, retail, sporting goods industries, warehousing, inventory, etc.

2. Pictures

ROV-R103 RFID Smart Label Checker

3. Product Features

■ High identification efficiency: It costs 3-5 seconds to read about 50 pcs of tags at a time.

■ Automatic sensor detection, RFID quick identification, accurate data

■ Simple and convenient operation;

■ Effectively solves the problems of wrong tags, missing tags and tags quality, etc;

4. **Specifications**

Main performance index	
Air interface protocol	EPC Global Class1 Gen2/ISO 18000-6C
RFID Frequency	902MHz ~ 928MHz
RFID Frequency Mode	Fixed Frequency / Frequency Hopping, 10 Frequency Hopping Points
Reader	Domestic (Imported R2000 chip)
Number of Tag Reading	≤50pcs
Reading Efficiency	3-5 seconds
Reading Mode	Motionless
Reader Output Power	1-30dbm
Output Power accuracy	+/- 1db
Screen	10-inch Resistive Touch Screen(Embedded)
Programmable Controller	Domestic
Electric Control System	With Domestic PLC
Industrial Computer	J4125/4GB
Photoelectric Switch	One Group/Imported
Operating Mode	Networking
Communication Interface	RS232 / RS / 485 / WG34 / USB
Serial Port Communication Rate	115200 Baud
Antenna Polarization	Linear Polarization
Antenna Gain	6dbi
Efficiency	Manual
Physical Environment	
Model Code	ROV-R103
Overall size (mm)	920 (width) ×600 (depth) ×1610 (height)
Clearance Size (mm)	760 (width) x 500 (depth) x 500 (height)
Maximum Size of Boxes (mm)	690 (width x 450 (depth) x 450 (height)

Weight	About 100KG
Weighing Module	Optional
Load Bearing Capacity	20KG
Operating Temperature	-20 ℃ – 60 ℃
Storage Temperature	-10 ℃ ~ 60 ℃
Operating Humidity	20-95% (non-condensing)
Power	50W
Work Voltage	220VAC ($\pm 10\%$) 50 ± 3HZ
Enclosure Material	Spray-paint Carbon Steel
Shielding Performance	50-80CM