Rovinj

Dedication, Integrity, Innovation, Win-win

IOT Application Expert

Products

RFID Intelligent Picking Trolley Product Specification

Guangzhou Rovinj Mdt InfoTech Co.,Ltd

1. **Product Introduction**

ROV-R501 is an RFID intelligent picking trolley designed and developed by our company in 2019. It is based on radio frequency identification technology, with advantages of high reading efficiency and accuracy, convenient mobile, long battery life and so on. The trolley integrates various intelligent devices such as Android all-in-one PC, mobile charging modules and photoelectric sensor, fitting in with a variety of application scenes.

Industry Applications: Retail fashion industry, hotel / medical washing industry.

2. **Picture**

3. **Technical Features**

> High Accuracy and Efficiency: It only costs 3~5 seconds to read 200+pcs RFID tags at a time.

> Compact Electromagnetic Shielding, 10-30CM without missed reading

> 10.1-inch all-in-one capacitive touch screen.

> Panasonic original battery, with long battery life (lasting for 3-5 days under frequent use)

> Durable and silent caster brakes, mobile / fixed dual purpose

➢ Provide secondary development interface, seamlessly interface with multiple application platforms

4. **Specification Parameters**

Main Specifications	
Model Code	ROV-R501
External Size	600*900*1288mm (Width*Depth*Height)
Internal Size	560*810*755mm (Width*Depth*Height)
Maximum Size of Boxes	500*700*700mm (Width*Depth*Height)
Weight	About 75kg
Air Interface Protocol	ISO/IEC 18000-6C EPC Class1 Gen2
Frequency Range	902Mhz-928Mhz
Antenna Gain	8dbi
Power Adjustment Range	1-30dBi
Battery Capacity	5 Ampere Hours
Casters	2 Orientation and 2 Universal Silent Casters with Brakes
Screen	10.1" Capacitive Screen, Support 10 Touch; Display Pixel 1280 * 800, 178 ° angle
Reader	Domestic (Imported R2000 Chip)
Quantity of Tag Reading	200+pcs
Reading Efficiency	3-5 Seconds
Industrial Computer	RK3288/4 Core Frequency 1.8Ghz
Memory Storage	2G RAM, 8G ROM, Support TF Card, Micro SD Card Expansion Storage
Network Support	10M/100M Adaptive Ethernet, Wireless WI-FI, 4G
Data Interface	USB2.0 A Type 1
Power	30W
Work Voltage	24V

Operating Temperature	-10℃~50℃
Enclosure Material	Spray-paint Carbon Steel
Shielding Distance	10~30CM
Opening Speed	Manual
Efficiency	Manual