

RFID Smart Recycling Cabinet

AI-RF-RE01



Description

AI-RF-RE01 smart recycling management cabinet is a self-service clothing recycling system that uses RFID ultra-high frequency identification technology and compares the recycled clothing with unique RFID numbers to reduce omissions and loss rates. Starting from the recycling point, Until the end of processing in the processing center, information traceability of the entire life cycle of clothing is achieved, improving work accuracy and recycling efficiency.

Features

- 10.1-inch capacitive touch screen with 1366 x 768 resolution
- RFID technology 840~960MHz optional, support protocol extension
- Multiple interfaces: RJ45, support wifi, 4G, alarm input etc
- Support multiple cabinets in parallel, optional Windows / Android system
- Support automatic record receiving, return, constant temperature dehumidification preservation, regular calibration and inspection reminder
- Product appearance, function, protocols etc support customization

Parameters

Main Specifications	
Product Model	AI-RF-RE01
Performance Parameters	
Operating System	Windows (optional Android)
Industrial Control Configuration	I5, 4GRAM, 128G SSD (RK3399, 4G+16G)
Identification Method	UHF RFID
Physical Parameters	
Product Size	850mm(L)*649mm(W)*2004mm (H)
Screen	10.1 inches Resolution 1366:768 Aspect Ratio 16:9 Widescreen
Material	1.2mm thick carbon steel plate
Internal Structure	Hook + 2 replaceable laundry baskets
Capacity	A total of 50 sets of surgical gowns or 40 pairs of surgical shoes
Communication Interface	Network port
Fixed/Mobile Mode	Bottom foot cup/casters
UHF RFID	
Frequency Range	840~960MHz
Air Interface Protocol	EPC C1G2、ISO18000-6B/C、GB/T29768-2013(Optional)
RFID Main Chip	Impinj R2000
Permissions	
High Frequency Card Swiping	Standard
Face Recognition	Optional
Fingerprint	Optional
Power Supply	
Voltage	220V
Rated Power	≤300W
Development Support	
Development Support	SDK
Development Language	JAVA, C#

Operating Environment	
Operating Temperature	0~60°C
Operating Humidity	10%RH~90%RH
Expand Optional Functions	
Surveillance Cameras	Optional
WiFi	Optional

