RFID Smart Recycling Cabinet AI-RF-SCN-RE1

Description

AI-RF-SCN-RE1 is a disruptive RFID smart device. The use of UHF RFID identification technology brings a convenient and efficient self-service recycling model to workers in hotels, large enterprises, and various medical institutions. It is especially suitable for hotels to recycle clothes and bed sheets, large enterprises to recycle work clothes, and medical institutions to recycle surgical gowns, shoes, and other items. The smart recycling cabinet can also check the unique RFID number of the recycled clothes, which greatly reduces the possibility of omissions and losses. From the recycling node to the processing center, users can track and record the information on each piece of clothing throughout the process, providing accuracy and recycling efficiency. It not only saves a lot of manual resources but also improves the efficiency of the entire work process. It also makes item management more standardized and safer.

Features

1. Convenient and fast, throw it away and go, saving manual registration time
2. Large capacity, can accommodate 50 sets of surgical gowns (or 40 pairs of surgical shoes)

Parameters

Main Specifications	
Product Model	AI-RF-SCN-RE1
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 Lnterface	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℃
Operating Humidity	10%RH~90%RH
Expand Optional Functions	
Surveillance Cameras	Optional
WiFi	Optional