

RFID Smart Shelf AI-RF-SLH3



Description

The AI-RF-SLH3 RFID smart equipment management shelf is a smart shelf that complies with the ISO 18000-6C national standard protocol. Based on RFID automatic identification technology, it can realize functions such as inbound and outbound management and real-time inventory of police equipment.

This product is placed in an indoor warehouse environment and uses RFID intelligent identification technology. It is unattended and can operate 24 hours a day. It can be linked to intelligent access control, all-in-one machines, etc. to realize inventory and entry and exit management of warehouse items.

Features

- Fully automatic management: Fully automatic inventory of equipment borrowed and returned, eliminating the tedious and possible mistakes of manual scanning and entry work;
- One-touch function: Daily and monthly inspections can be completed within 10 seconds;
- Data collection, scientific analysis: real-time recording of item collection and return data;
- Storage location binding: Items can be bound to storage locations to quickly and easily find items in storage;
- Item information display: The shelf is equipped with a 22-inch capacitive touch screen, which can display the number of equipment on the shelf, the number of equipment off the shelf, equipment type and other information;
- Alarm light: Real-time monitoring of the working status of the shelf, and alarm prompts when there is an abnormality in the shelf.

Parameters

Main Specifications	
Product Model	AI-RF-SLH3
Performance Parameters	
Industrial Control Configuration	I5/8G/128GB SSD (optional RK3399, 4G+32GB)
Identification Method	Radio Frequency Identification (UHF RFID)
Display	22-inch industrial capacitive touch display, resolution 1920*1080
Reading Time	10s
Physical Parameters	
Overall Machine Size	2142mm (H)*4016mm (W)*1010mm (D)
Communication Interface	10M/100M adaptive Ethernet interface
Material	1.2mm carbon steel plate + sheet metal powder spraying
Color	Blue and White
Capacity	There are 16 layers in total on both sides (layer height 420mm), and the layers can be removed from 0 to 100 pieces per layer (the specific number depends on the size of the items and needs to be placed in a standardized manner)
UHF RFID	
Frequency Range	840MHz-960MHz
RF Protocol Standards	ISO 18000-6C (EPC C1 G2)
Power Supply	
Power Input	AC220V, 50Hz
Rated Power	≤50W
Development Support	
Development Support	SDK development kit
Development Language	JAVA, C#
Operating Environment	
Operating Temperature	0~60°C

