RFID Smart Tool Cabinet
AI-RF-SCN-T2

Description

The AI-RF-SCN-T2 RFID smart tool cabinet is a tool cabinet that complies with the ISO18000-6C national standard protocol. Based on RFID automatic identification technology, it can realize real-time inventory of tool tools, intelligent access, inspection reminders, and real-time search. , language broadcast and exception prompts and other functions. This product can be placed in an indoor environment or a safe open semi-outdoor environment. It uses RFID intelligent identification technology, is unattended, and can operate 24 hours a day. It has easy human-machine communication and operation, strong sense of interaction, and stable performance.

Features

- Fully automatic management: fully automatic tool borrowing and returning, in and out record management, eliminating the tediousness and possibility of mistakes in manual scanning and data entry;
- One-keyboard function: daily and monthly inspections can be completed in 5 seconds;
- Data collection, scientific analysis: real-time record of tool collection and return data;
- Safety guarantee, accountability: safety control can be achieved, tool entry and exit are recorded, and there are traces to be found. The identity can be confirmed through multiple identity recognition permissions, and the identity of the tool borrower and the tool return time can be accurately known
- Multiple layout configurations: the cabinet can be equipped with charging sockets, insulating boots, insulating gloves plug boards, shelves and other configurations.

HardWare

Parameters

Main Specifications	
Product Model	AI-RF-SCN-T2
Performance Parameters	
Operating System	Windows (optional Android)
Industrial Control Configuration	I5, 4G+128（RK3399, 4G+16G）
Identification Method	UHF RFID
Reading Time	5s
Physical Parameters	
Product Size	2000mm(L) * 820mm(W) * 500mm(H)
Screen	14-inch capacitive touch screen Resolution 1280:800 Screen ratio 16:9
Material	1.2mm thick carbon steel plate
Capacity	Freely adjustable
Communication Lnterface	Network port
Fixed/Mobile Mode	Bottom foot cup/casters
UHF RFID	
Frequency Range	840~960MHz
RF Protocol Standards	ISO 18000-6C（EPC C1 G2）
Permissions	
High Frequency Card Swiping	Standard
Face Recognition	Optional
Fingerprint	Optional
Surveillance Cameras	Optional
WiFi	Optional
Dehumidifier	Optional
Power Supply	
Voltage	AV220V, 50Hz
Rated Power	≤150W

Development Support	
Development Support	SDK
Development Language	JAVA, C#
Operating Environment	
Operating Temperature	0~60℃