RFID Smart Tool Trolley AI-RF-TY01

Description

The RFID smart tool trolley is an efficient tool management device. Using RFID technology, can quickly inventory management tools, greatly improve the accuracy and efficiency of tool management, and assist enterprises in achieving information management of tools and refined control of FOD (foreign object legacy) in the aviation industry. Easy to operate, the main modes include tool trolley initialization, tool lending, return, daily/monthly inspection, transportation status lock, etc.

Application

Applicable to electric power, fire protection, railway, aviation, machinery and other industries.

Features

- Data Statistics: Provide detailed usage data to support management decisions.
- Fully Automatic Management: Automatically record tool entry and exit to reduce manual operations.
- One-button Inventory Check: Completes daily and monthly inspections within 5 seconds, boosting management efficiency.
- Intelligent Pre-Warning: Automatically prompts inspection when the set time limit is reached, ensuring tool performance.
- Large-Capacity Design: Can accommodate over 280 tools, meeting the requirements for large-scale management.
- Portable intelligence: Built-in rechargeable battery for over 10 hours of continuous operation, suitable for various work environments.

AiHardWare

Product Number	AI-RF-TY01
Operating System	Windows (Android optional)
Configuration	I5, 8GRAM, 128G SSD (RK3399, 4G+16G)
Identification Method	Radio Frequency Identification (UHF RFID)
Reading Time	300 tools in 7 seconds
Overall Dimensions	1302mm*870mm*600mm(H*W*D)
Material	1.2mm thick carbon steel plate
Screen	10.1-inch capacitive touch screen Resolution 1366*768 Screen ratio16:9
Capacity	8 layers
Drawer size	724*443*146/1st-7th floor 724*443*499, 8th floor 724*443*123
Communication Interface	Network port, WiFi, 4G
Fixed/Mobile Mode	Bottom feet/castors
Frequency Range	840MHZ-960MHZ
RF Protocol Standards	IS0 18000-6C(EPC C1 G2)/GB/T29768-2013
RFID Main Chip	Impinj R2000
High Frequency Card Swiping	Standard
Fingerprint	Optional
Face Recognition	Optional
Wifi	Optional
4G	Optional
Power Input	220V/50Hz
Rated Power	≤150W
Development Support	SDK development package
Development Language	C#
Operating Temperature	0~60 Degrees Celsius