

## RFID Smart Tool Trolley AI-RF-TY02



### Description

TY03 mobile smart tool trolley is one of the RFID tool management system solutions. Based on RFID technology, this tool trolley can quickly inventory management tools, significantly improve the accuracy and efficiency of tool management, and realize the enterprise's information management of tools and the refined control of FOD (foreign object legacy) in the aviation industry. The main operating 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

- One-button inventory check: Completes daily and monthly inspections in 5 seconds, quick and convenient.
- Data Statistics: Provides detailed usage data reports to support management decision-making.
- Smart Reminders: Automatically reminds users to inspect tools when the set period expires, ensuring tool condition is maintained.
- Fully Automated Management: Automatically records tool check-in and check-out, reducing manual operation and improving efficiency.
- 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.

## Parameters

Product Number	AI-RF-TY02
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	1214mm*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	4layers/8 layers optional
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	ISO 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

