



## SMART TOOLS CABINET RFID

### PRODUCT INTRODUCTION:

- The **smart tool cabinet** is one of the **RFID** tool management solutions developed by ETEK. With RFID technology, it enables **automatic management** of RFID-tagged tools stored in drawers. This significantly improves the accuracy and efficiency of tool management.



### PRODUCT FEATURES

#### ➤ Automated management

Tools and user access are managed and controlled automatically, replacing manual records of tool borrowing and returning.

#### ➤ One-touch inventory

Employees are issued RFID cards with assigned permissions, enabling fast and easy tool inventory management.

#### ➤ Data collection and analysis

Tool data and parameters are collected and analyzed in the system. The system sends notifications and reminders for tool maintenance schedules.

#### ➤ Easily locate lost tools

Misplaced tools can be quickly located using handheld RFID devices.

#### ➤ Security

If tools are not returned on time, the system issues alerts and tracks the responsible individual.

# SMART TOOLS CABINET

Aiming to reduce risks in tool management and enhance automated control, **ETEK** has researched, developed, and introduced the **Smart Tool Cabinet**, ensuring safety and efficient management.

## Main Specifications

Model	ETEK
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## Overall

Weight	54 kg
Size (H x W x D)	765 x 465 x 812 (mm)
Material	Spray-paint Carbon Steel

## Drawer

Single Drawer Size	536x397 (mm)
Drawer Spacing	74.5 - 153.5 (mm)
Payload	7 - 12 kg

## Power Source

Voltage	12V
Power	50W

## Operating Environment

Humidity	~80%
Temperature	-20°C ~ 70°C
System	Android 11.1
CPU	RK3566 . Frequency 1.8 Ghz
Software	ETEK
Electric Control System	PLC
Screen	5 inch
RAM	2GB
ROM	16GB
Communication	TCP/IP, Wifi, 4G, Ethernet
Opening Speed	1 second
Reader	Imported (Impinj-R420)
Reading Efficiency	3 - 5 second
Shielding Distance	20 - 30cm



## SCREEN

Allows users to log in, authorize, and check device status.

## RFID READER

RFID and RFID UHF readers enable remote access control and device control.

## CABINET BODY

Stainless steel material, powder coated to meet many operating environments.

## ELECTRIC LOCK

- Anti-tamper lock ensures device safety.
- Physical lock in case of power failure.

## PROCESSOR

Store device statistics information internally.

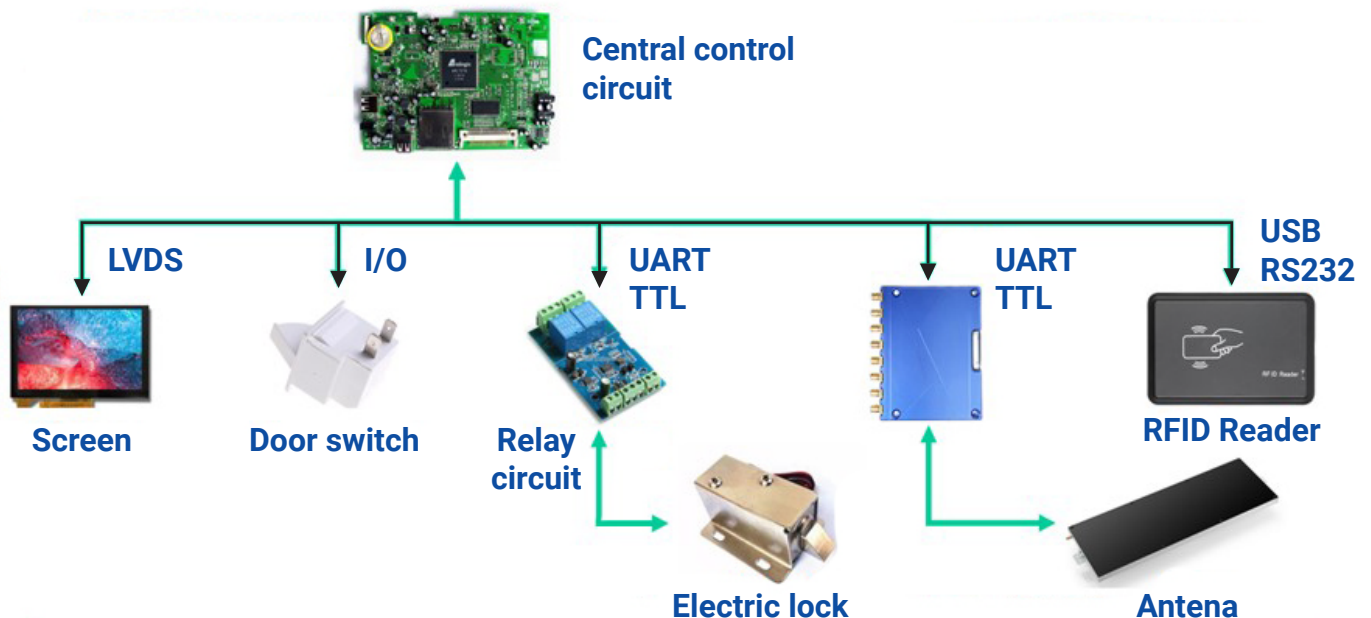
## CONNECTION

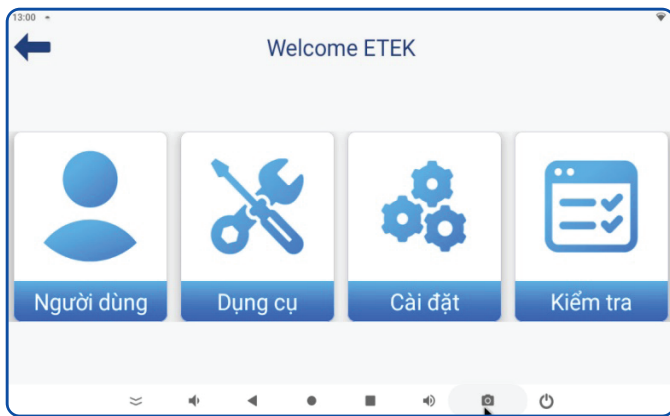
Ability to connect and extract data via ethernet port.



## MANAGEMENT SOFTWARE

**Smart tool cabinets** connect wirelessly or via Ethernet and are managed by powerful, easy-to-use software. Managers can view the status of all cabinets on the software, whether they are online or offline, and the status of each cabinet - including the number of tools issued, active users, and all history.



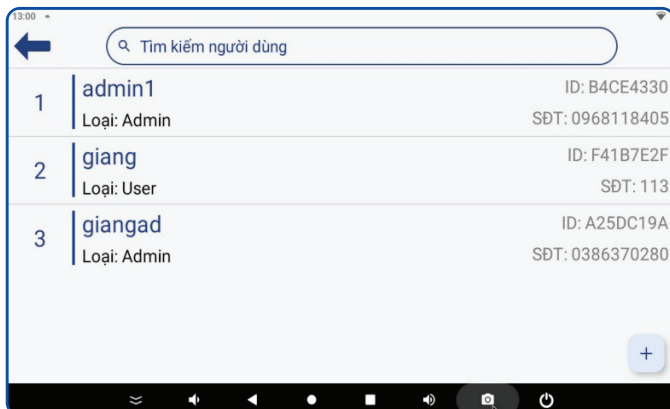


## USER FRIENDLY INTERFACE

- Easy to use.

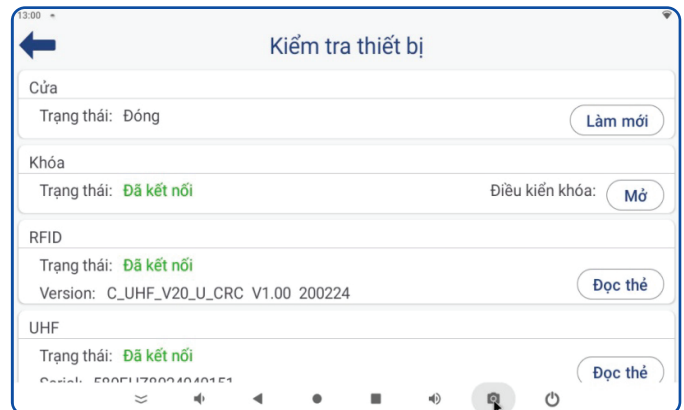
## DEVICE CHECK

- Color coded for quick status checks.
- Email scheduled reports.
- Track cabinet statuses.



## CONTROL ALL TOOLS

- Control tools with tags with unique codes.
- Support quick tool search.



## USER CONTROL

- Categorize users to grant permissions.
- Track each action to closely manage tool usage.



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