Technology Solutions for Retail

CA-T3 UHF RFID Smart Cabinet



The CA-T3 is a smart cabinet based on UHF RFID technology. It is equipped with a 14-inch capacitive touchscreen, an NFC reader and optional facial or fingerprint recognition.

The cabinet tracks every tagged item stored inside and automatically logs when an item is placed, removed or returned. Using facial recognition, fingerprints or NFC cards, it also records which staff member accessed each item.

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Features

- Powered by the Impinj R2000 chip for maximum tag-detection performance.
- Automatic inventory.
- Configurable shelves.
- Adjustable wheels and automatic internal LED light.
- Optional: security camera, temperature and humidity display.
- Excellent RFID shielding performance.

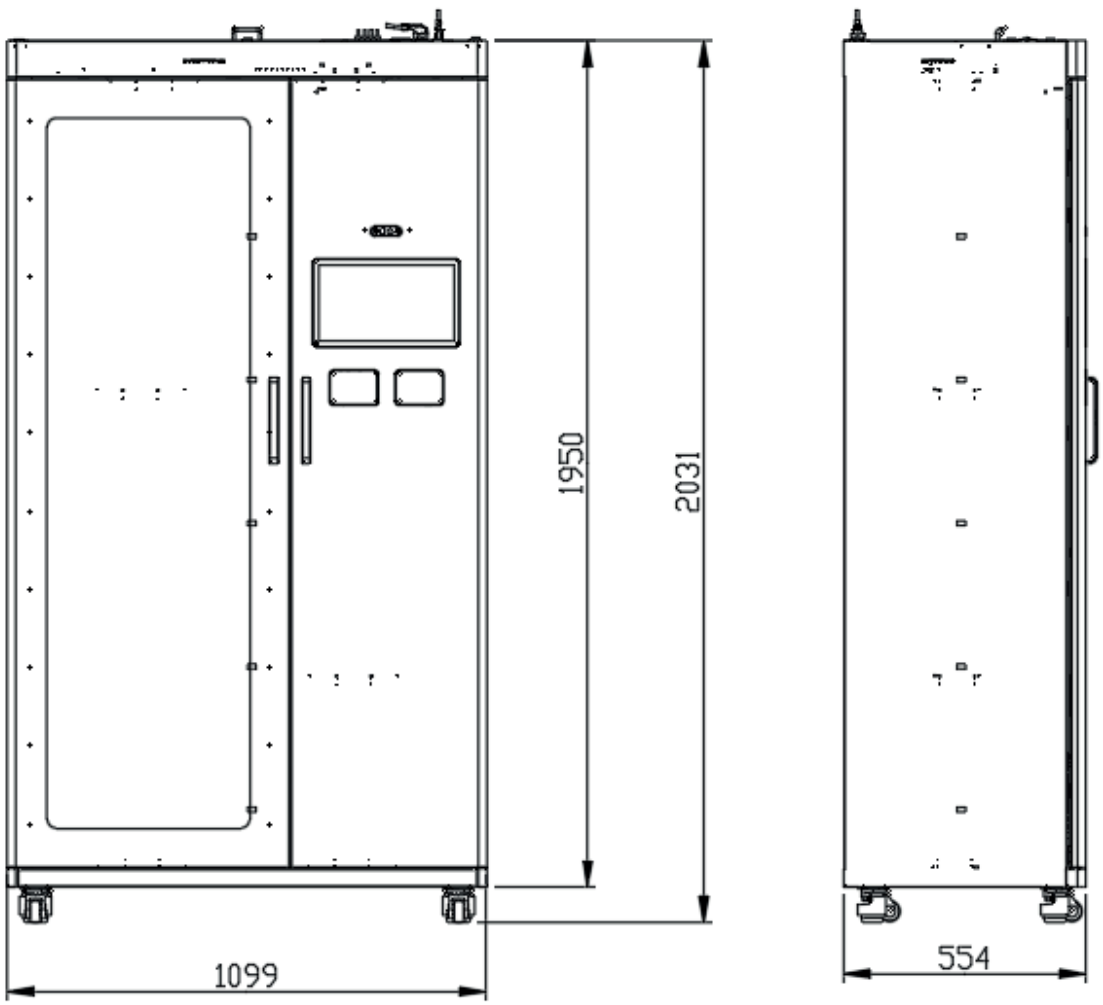
Technical Specifications

Main Specifications	
Model	CA-T3
Performance Specifications	
Operating System	Windows (Android optional).
Industrial PC	I5, 4G+128GB (RK3399, 4G+16GB).
Identification Technology	RFID (UHF).
Read Time	≤ 5 seconds.
Physical Specifications	
External Dimensions	1099 mm (L) × 554 mm (W) × 2031 mm (H).
Internal Space	982 mm (L) × 480 mm (W) × 1690 mm (H).
Shelf Dimensions	980 mm (L) × 440 mm (W) × 58 mm (H).
Material	1.2 mm thick carbon steel.
Display	14 or 21.5-inch capacitive touch, 1280 × 800 resolution, 16:9 aspect ratio.
Capacity	4 levels (280 mm high) / 6 levels (225 mm high).
Communication Interface	Ethernet.
Mobility/Fixing Method	Wheels and leveling feet at the base.
RFID UHF	
Frequency Range	840 MHz - 960 MHz.
Protocol	ISO 18000-6C (EPC C1 G2).
RFID Chip	Impinj R2000.
Identification Permissions and Optional Functions	
NFC	Standard.
Fingerprints	Optional.
Security Camera	Optional.
Facial Recognition Camera	Optional.
WiFi	Optional.
Dehumidifier	Optional.
Power	
Power Input	AC220V, 50Hz.
Rated Power	≤150W.

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Development Support	
SDK	Included at no extra cost.
Programming Languages	JAVA, C#.
Operating Environment	
Operating Temperature	0~60°C.

Dimensions



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