

CK-GWHA

RFID CHEMICAL MANAGEMENT CABINET



The CK-GWHA RFID Chemical Management Cabinet revolutionizes hazardous material handling with advanced UHF RFID and weight-sensing technology. Designed for laboratories, pharmaceutical facilities, and industrial plants, it automates chemical tracking via 400pcs/sec RFID scanning, dual-authentication access (face recognition + multi-user lock), and VOC gas detection. The corrosion-resistant cabinet supports real-time inventory sync with ERP systems, eliminating manual logging while ensuring full compliance with safety regulations.

- 21.5-inch capacitive touch screen with 1920 × 1080 resolution
- RFID technology 840~960MHz optional, support protocol extension
- Multiple interfaces: RJ45, wifi, 4G, alarm input etc
- Support gas detection, equipped with independent air outlet can be external pipe. The cabinet is made of flame-retardant and anticorrosive materials, and is equipped with a detachable liquid leakage tank
- Saving manual inventory time and warehouse registration procedures, improve management and control efficiency

● Specification

Model	CK-GWHA
 RF SPECIFICATION	
Identification Method	UHF
RF Chip	Impinj R2000
Frequency Range	840MHz ~ 960MHz adjustable
Protocol	EPC C1G2, ISO 18000-6B, ISO 18000-6C
Frequency Band (Optional)	ETSI: 865 ~ 868MHz, JP: 916.8 ~ 920.4MHz, TW: 922.25~927.75MHz, ID: 923.125~925.125MHz, RUS: 866.6~867.4 MHz, TEST: 802.75~998.75MHz, JP_LBT: 916.8~920.8MHz
Product Capacity	300 pcs (according of item size)
Function	RFID read function, Multiple label identification, Label data filtering, RSSI perception, Quantity statistics

| HARDWARE SPECIFICATION

System Support	Windows / Android (optional)
Hardware	I5 CPU, 4G RAM, 128G ROM RK3399 CPU, 4GRAM, 16G ROM (optional)
Display	1920 × 1080, 21.5-inch capacitive touch screen
Communication	RJ45 10/100Mbps

| FUNCTION SELECTION

RFID Card Reader	Standard
Bar Code	Optional
QR Code	Optional
Fingerprint Recognition	Optional
Face Recognition	Optional
Sound Light Alarm	Optional

CCTV Camera	Optional
Solar Energy	Optional
Wireless Network	WiFi / 4G

BASIC SPECIFICATION

Material	Carbon steel plate
Power Supply	AC 110/220V 50Hz <300W
Working Humidity	10%RH~90%RH
Operat Temperature	0 °C ~ 60 °C
Trellis Entry Size	50.8 x 28.7 cm
Size	954×570×1980mm

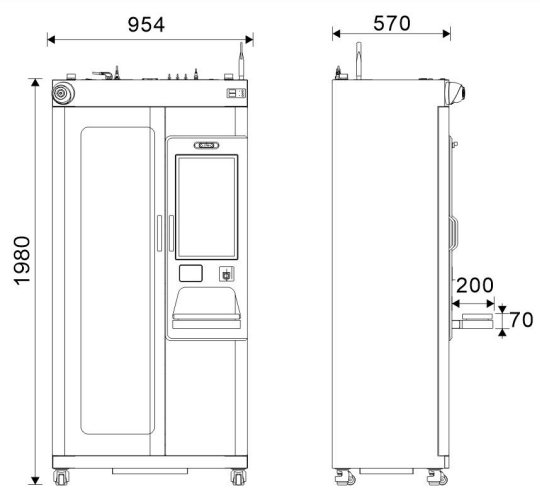
● Related Model

/

● Common Solution

Tool Room, laboratory, chemical plant, school

● Dimension



Unit : mm (inch)
Weight. : about
100kg

● Accessory

serial number	name	units	quantity
1	power supply	pcs	1



RFID IoT Application



Need Advice



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