

CK-HG2

Smart Weighing Shelf



The CK-HG2 RFID Smart Shelf is an autonomous inventory management solution for Combining UHF RFID (840-960MHz) and high-precision weight sensors (1g-30kg), it delivers real-time tracking of medical supplies with 99.95% read accuracy. Designed for 24/7 operation, its carbon steel construction and 4 adjustable layers support 1,000+ items, while SDKs (Java/C#) enable seamless ERP/WMS integration.

- Automatic inventory: it can set up a regular inventory or active inventory, and realize daily inspection and monthly inspection within 10 seconds
- High accuracy: special design, avoid RFID signal interference, single recognition rate is higher than 99.95%
- Data collection and scientific analysis: real-time inventory records of goods receiving and returning data, which facilitates the traceability and search of materials
- Convenient storage and placement: the use of weighing tray management of materials, convenient storage box classification placement
- Support the side of the shelf can be equipped with a wall-mounted machine, as the main operation screen of the shelf, for information interaction
- Product appearance, function, protocols etc support customization

● Specification

Model	CK-HG2
 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	1000 pcs (according of item size)
Function	RFID read function, Multiple label identification, Label data filtering, RSSI perception, Quantity statistics
Communication	RJ45 10 / 100Mbps
 FUNCTION SELECTION	
Weighing Function	Standard, accuracy 1g-30kg
Sound Light Alarm	Optional
CCTV Camera	Optional
Wireless Network	WiFi / 4G Optional
 BASIC SPECIFICATION	
Material	Carbon steel plate
Power Supply	AC 110-220V 50Hz
Operat Temperature	0 °C ~ 60 °C
Size	200 x45 x 200 cm

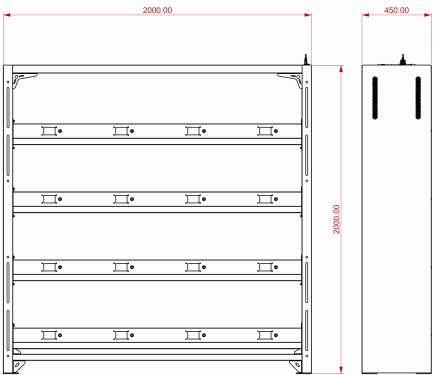
- Related Model

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- Common Solution

Smart Library, Archival Room, Tool Room, Supermarket, etc.

- Dimension



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

- Accessory

serial number	name	units	quantity
1	power supply	pcs	1



RFID IoT
Application



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