

KUNTON Intelligent Storage

User Manual of Industrial Vending Machine (W80-30 Intelligent Locker with Weight Sensors)



Address: No.14 building, Hua Lian Industrial Zone. XinShi Community, DaLang Street, LongHua District, ShenZhen City, GuangDong Province

Tel.: +86-400-102-0228

Website: <https://www.szkunton.com>

1 Safety instructions (please read these instructions first)

The following is important safety instructions, please read them carefully and be sure to follow it.

The content of [⚠Warning] indicates that there is a possibility of death or injury in case of wrong installation.

[The content of [⚠Notice] indicates that there is a risk of injury and a possibility of damage in case of wrong installation.

 Warning	
	<ul style="list-style-type: none">● Unbinding, installation and movement shall be carried out by professional intelligent locker installation and commissioning personnel or entrusted to the undertaker, and incomplete installation may cause tipping, electric shock, fire, pinch injury and other accidents.● Maintenance shall be entrusted to professional personnel, the replacement parts shall be obtained through regular channels, and inadequate maintenance may cause electric shock, fire, injury, etc.
	<ul style="list-style-type: none">● Do not install and use it in places where there is ponding rainwater and high moisture and where ponding water is easy to occur.<ol style="list-style-type: none">a) Installation in places where there is ponding rainwater will have a risk of electric leakage and electric shock.b) Installation in places with high moisture and prone to ponding water, there will be a risk of electric leakage and electric shock due to low insulation.● It is prohibited to put such flammable substances as natural paint, oil paint, diluent and combustible spray in it, so as to avoid explosion and fire.● It is prohibited to put toxic and corrosive chemicals in it, so as to avoid serious personal injuries.● Do not climb, shake or tilt it to avoid overturning accidents.● Please assign a repairman to assemble it after confirming that the insulation is restored, so as to avoid electric shock.
	<ul style="list-style-type: none">● Do not operate the internal circuit switches with wet hands, in order to prevent electric shock.● Do not pull it while carrying heavy objects.
	<ul style="list-style-type: none">● Do not modify the intelligent locker, in order to prevent accidents.
	<ul style="list-style-type: none">● Do not use such combustible materials as diluent or combustible gas near the intelligent locker, in order to avoid explosion and fire.
	<ul style="list-style-type: none">● In case of odor, smoke, fire and other abnormal conditions, please immediately pull out the power plug, contact the maintenance personnel, and do not continue to operate in case of abnormal conditions, in order to avoid fire and electric shock.
 Notice	
	<ul style="list-style-type: none">● Do not install it in places prone to severe shaking or vibration.● During installation, abide by the local laws, and do not block the special passages or facilities.● Do not interfere with the traffic equipment and pedestrians when opening the

	<p>cabinet door.</p> <ul style="list-style-type: none"> ● After opening the outer door, please secure it effectively, otherwise it may suddenly close and cause injury. ● When the cabinet door can be opened and closed at will, do not store personal belongings, so as to prevent loss. ● Please entrust professionals to dispose of it when scrapping the intelligent locker, so as to prevent it from polluting the environment.
	<ul style="list-style-type: none"> ● Do not store any items other than the specified, and do not store deformed or leaking goods, which is easy to cause accidents.
	<ul style="list-style-type: none"> ● Do not share the power socket with other equipment. ● It is easy to cause fire if an extension cord or multi-plug socket is used. ● Be sure to use a power supply that meets the rated capacity of the machine. ● Do not tie up the power cord for use, it is easy to cause fire after heating. ● Please check the power plug regularly once a year to check for poor contact.
	<ul style="list-style-type: none"> ● Do not touch the internal action parts to prevent injury. ● When the cabinet door is closed, please be careful not to pinch your hands, in order to prevent injury.
	<ul style="list-style-type: none"> ● When using the equipment, please make sure that the three-phase grounding socket is truly grounded, so as to prevent electric leakage and electric shock. ● Do not get the electrical parts wet or wash them with water, so as to avoid electric shock. ● Please check the residual current device more than once a month, and press the test button to confirm whether the power supply can be cut off. If you can't cut it off, please contact the professional maintenance personnel or report to the purchasing office for repair. If you continue to use it, it is easy to cause electric shock. ● When the residual current device moves many times, please contact the operation and maintenance personnel or report to the purchasing office for repair. If you continue to use it, it is easy to cause electric shock and fire.

2 Product description

W80-30 Intelligent Locker with Weight Sensors is an intelligent equipment integrating functions of weight counting, weight change acquisition, alert value presetting, data information display, data remote transmission, remote control, etc. It has 6 racks and 30 channels for the storage of 30 different types of goods to meet the customer's access management of stored goods to the greatest extent and realize flexible and fine management of goods and materials.

The operation data of W80-30 Intelligent Locker with Weight Sensors is uploaded to the backstage management system via 4G, WiFi etc. to achieve the intelligent management of goods & materials collection statistics, prediction and sales through data mining and analysis.



Outside View of W80-30 Intelligent Locker with Weight Sensors

3 Technical Indicators

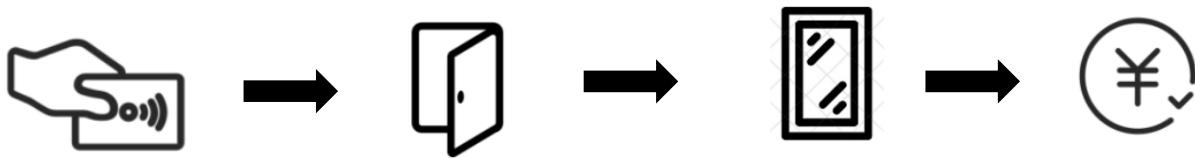
S/N	Module	Parameter		Remarks
1	Hardware parameters	Display	10.1", with capacitive touch screen	
		Input power supply	AC: 85V~264V	
		Power	35W	
		Card reader	Support ISO1443A	
		Network communication	4G, WIFI	
2	Weighing parameters	Weighing range	0~10kg	
		Weighing accuracy	5g	To be placed steadily
		Scale division	1g	When weight display is

				required
		Weighing pallet	30 pcs	
3	Appearance	Overall dimension	H (mm)×W (mm)×D (mm) 1850×965×500	
		Weight	≤180kg	
		Appearance color	White	
4	Other parameters	Operating temperature	-10°C～45°C	When the temperature is >40°C, the error will increase.
		Storage temperature	-20°C～60°C	
		Operating humidity	10 ~ 90% RH, no condensation	

Note: Due to the need for a good network environment when this equipment is running, the following network requirements shall be met:

- Smooth 4G network and optimal signal strength above -95dBm;
- Wi-Fi network with good network signal;
- Ethernet, etc.

4 Operating instructions



① Swipe the card for verification ② Open the door and pick the material ③ Close the door and end the operation ④ Confirm the settlement

Remember: The door must be closed every time the material is picked, otherwise the loss of goods will be counted in the name of the person who left the door open.

5 Common problems

1. Equipment network outage

- Exit the APP (click “Exit” in the operation interface), click on the browser, and open the common webpage (e.g. www.baidu.com). If the webpage displays normally, it will be judged as software fault; if the webpage cannot be opened, it will be judged as hardware fault or line fault; please contact our after-sales service personnel.

2. Display fault

- In case of black display screen, first check the line contact, pay special attention to the internal power plug of the chassis, the HD connecting line and the display switch. If one of these problems exists, it is a line fault, which can be solved by replugging;
- In case of blurred and splash display screen and abnormal out-of-control touch screen, first loosen the sheet metal screws fixing the display screen, make sure that there is a foam between the screen and the sheet metal contact, and the screws do not squeeze the display screen.

3. Card reader fault

- If the APP or industrial computer is dead, having no response when the card is swiped, just restart the machine;
- If it is the wiring fault of the card reader, just replug the wires;
- If it is the hardware fault of the card reader, just replace it with a new card reader;
- If the card reader shows that the serial number of the card is duplicated when the card is swiped, it is the hardware fault of the reader, replace it with a new card reader.

4. Abnormal tripping of air switch

- After the equipment is powered on, if the mains supply has no grounding function, or the mains voltage is too high, the air switch will trip, so it is necessary to seek for an electrician in the equipment installation site to help solve the fault;
- During the operation of the equipment, if the mains voltage is unstable, the air switch will trip, so it is necessary to seek for an electrician to measure it with a multimeter.
- During the operation of the equipment, if the power box harness of the equipment is short-circuited due to line fault, the air switch will trip, and the line fault can be checked only after the mains supply plug of the equipment is pulled out;

6 Repair and maintenance instructions

Description	Repair and maintenance cycle			Inspection content
	Daily cleaning	Regular inspection (once a month)	Regular inspection (once every 6 months)	
Clean the exterior of the equipment	●			Remove the dust and dirt of the equipment
Clean the touch screen	●			Remove the dust and oil stain from the touch screen
Check the light		●		Click the “Normally On” key and “Normally Off” key in the picking interface to check whether the LED indicator is working normally
Check the residual current circuit breaker		●		Press the leakage protection test switch to check whether the leakage protection function is normal.
Check the connection between the industrial computer and peripherals		●		Check whether the wiring between the industrial computer and peripherals is loose or falling off
Check the state of channels		●		Check the online state of the channels
Channel taring			●	When placing empty material boxes in the channels, enter the “Production Test”, and perform the channel taring operation

7 FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to

part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

***RF warning for Mobile device:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.