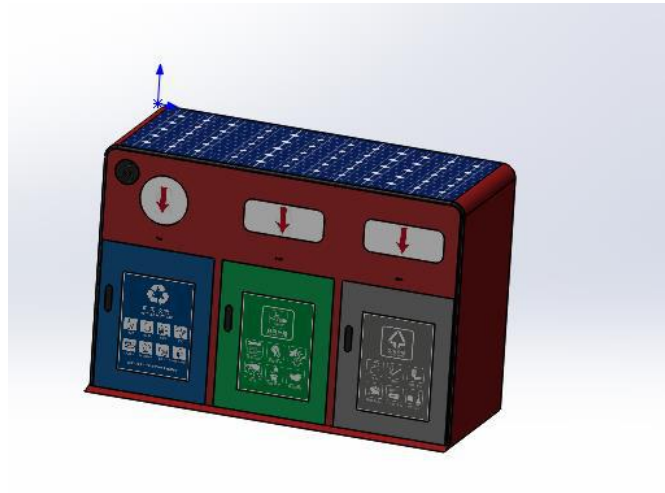


# CNDingtek Smart Classification Waste Bin Standard Version



**V1.0**  
**Date:2019-11-28**

## Change Log

V1.0 Initial Version;

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## Disaclaim

CNDingtek® does their best to make this document as accurate, full, clear as possible. But CNDingtek® reserves the right to modify the hardware, software, housing, color, specification, guide, package and etc without further notice.

Due to the photoing and printing reasons, the photos in this document maybe different from the real released product, please use the released product as the final reference.

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## 1 Overview

The bin is a standard version of the smart classification waste bin. It integrates voice recognition, automatic door opening, integrated full/empty, fire detection functions, with optional of solar power, and does not require external power. It can be widely used in outdoor waste bins for convenience, ease of use, Maintenance-free waste sorting.

Optional compression function, compresses the internal garbage to 1/5 of the original state, reduces the number of cleaning and removal, reduces the workload of sanitation and cleaning, and improves work efficiency.

Through the built-in wireless module (2G / 3G / 4G / NB-IoT or LoRaWAN, etc.), data can be transferred to the cloud server. Managers can observe equipment status information remotely, and realize remote monitoring and online maintenance of the status of the bin.

Through the CNDingtek smart waste management SAAS software, users can also allocate transportation resources such as garbage removal vehicles through the Web or mobile phone APP to achieve optimal path planning, thereby reducing operating costs and expenses.

## 2 Features

- Voice recognition and automatic door opening;
- Optional compression mechanism, compressed to 1/5 of the original volume, minimizing the number of waste removal and removal;
- Optional integrated solar power supply, no external power supply required, easy maintenance;
- Compatible with the smart waste management SAAS platform, supporting Web and mobile apps;

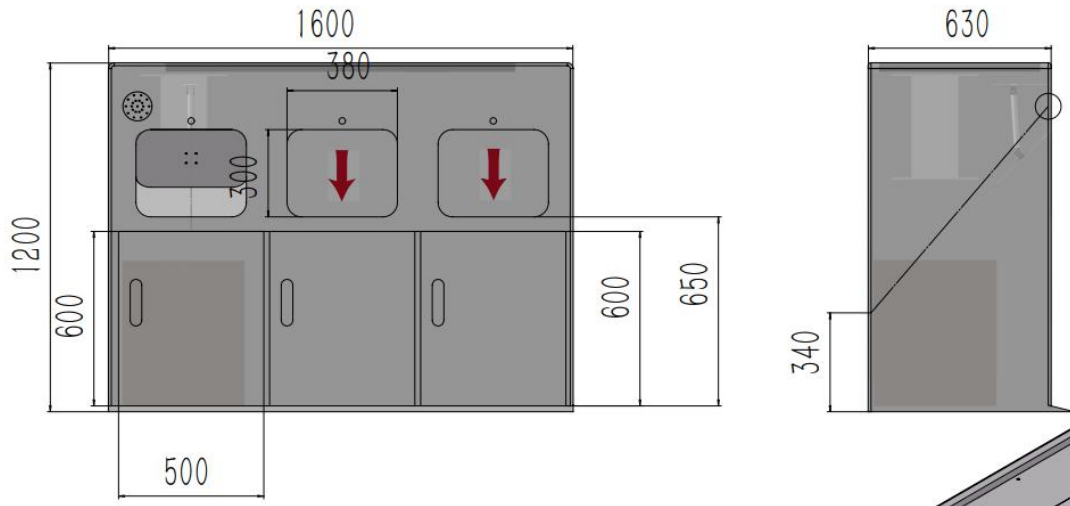
## 3 Application

For residential areas, communities, parks, public roads, etc.

## 4 Spec

Housing	Dimension	1070mmL*630mmW*1200mmH (two barrel)
		1600mmL*630mmW*1200mmH (three barrel)
		2140mmL*630mmW*1200mmH (four barrel)
	Weight	Two barrel: 65kg, Three barrel: 100kg, Four barrel: 130kg
	Color	Blue, gray and etc.
	Inner barrel	Standard 80L
Sensor	Material	Stainless
	Full/Empty detection	Ultrasonic 2 meters range
	Temperature	Yes
	Fire detection	Yes
	Voice recognition	Yes
	Auto door open	Human detection, voice recognition,
	Manual door open	Yes, push button
	Compression	Yes
	Power	Solar panel, 12V10Ah
	Wireless	
3G/4G		
NB-IoT:B3/B5/B8/B20/B28		
LoRaWAN:EU868,CN470,AU915,AS923,US915		
		Sigfox
Temperature	Working temperature	-40~+70℃
Mounting		Bolt on ground

## 5 Mechanic



(example of 3 barrel)

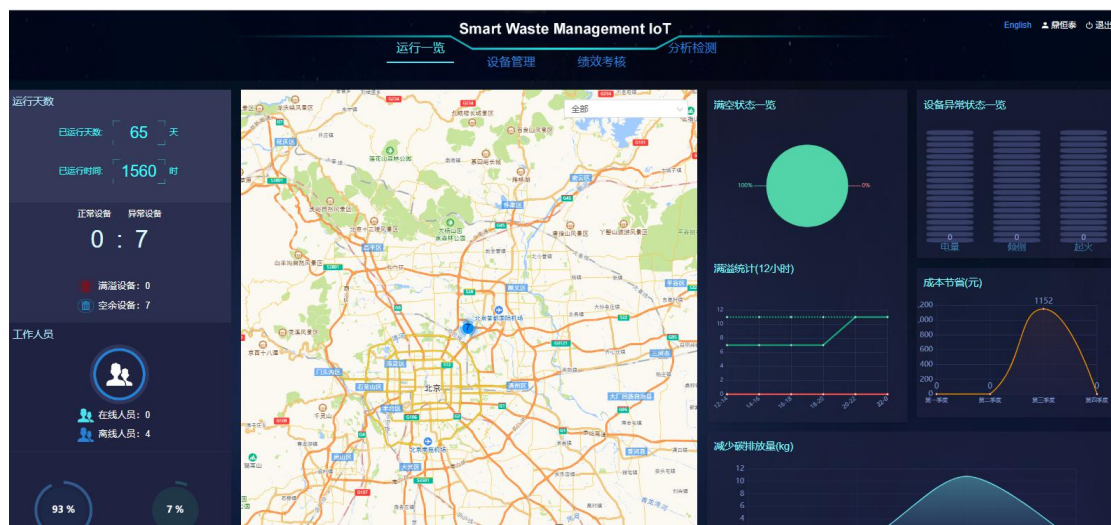
unit: mm

(Note: For reference only, please refer to the actual product)

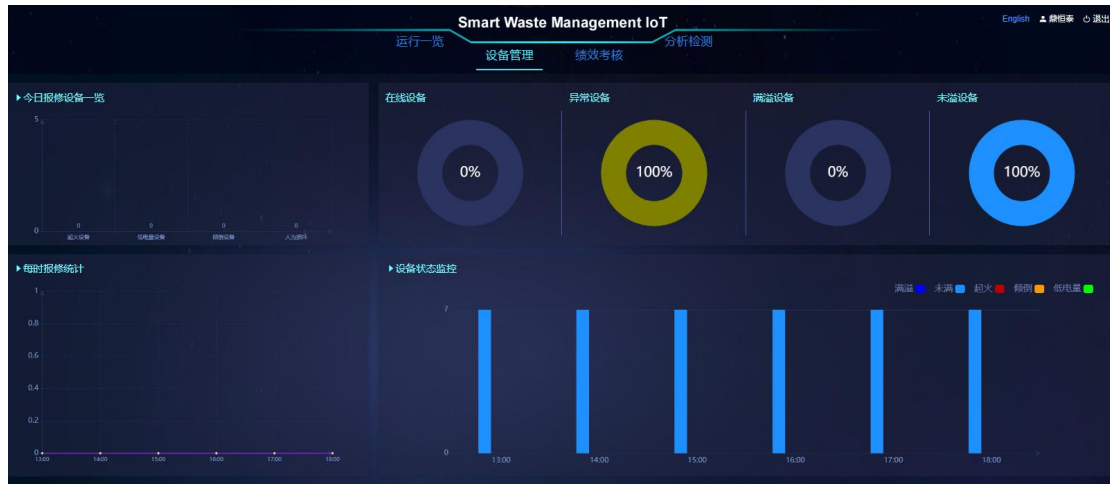
## 6 Software

The smart sanitation SaaS platform includes web, mobile app and other access ways, supporting administrators, sanitation workers, Cleaning truck and other roles, compatible with a variety of languages, can be deployed in the cloud or localized, suitable for public and private networks, etc.use.

### 6.1 Web



Dashboard

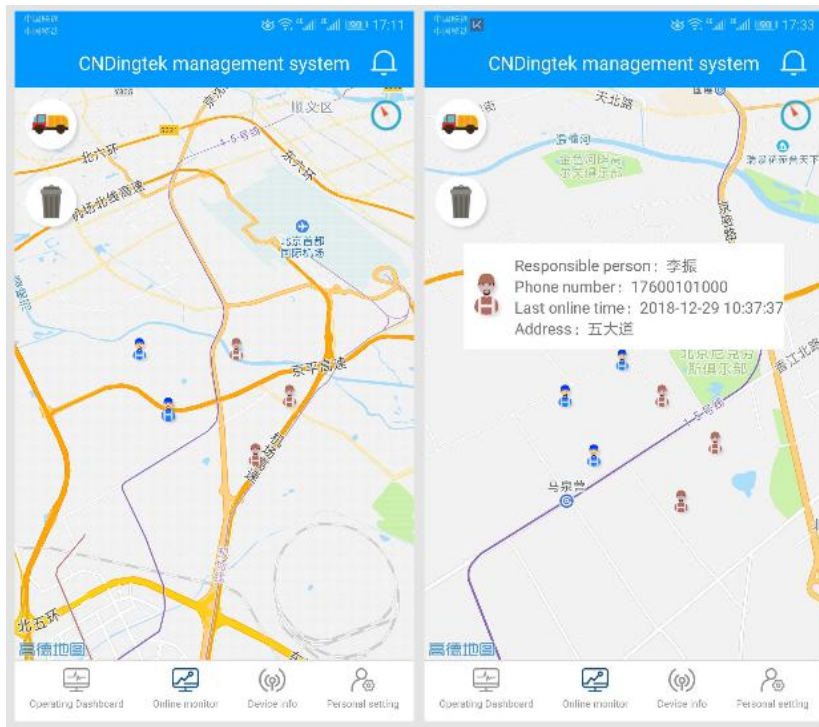


Device management

## 6.2 App







## 7 Protocol & API

The communication protocol and API interface are confidential and are only open to customers who purchase the device and sign NDA (Non-Disclosure Agreement) documents with CNDingtek.

If you would like to integrate the protocol/API with your own system, please contact our sales team at [service@dingtek.com](mailto:service@dingtek.com).

## 8 Part List

NO.	Item	Quantity	Remark
1	Smart classification waste bin	1	
2	key	2-4	For different model
3	Manual	1	
4	Inner barrel	2-4	For different model

## 9 Video Link

Demo <https://youtu.be/tzI7IA0wPol>